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JULY 2018
VOL. 57, NO. 7

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INDEX OF BUYERS GUIDE CATEGORIES

- 6** This section gives the page numbers for more than 280 product and service categories.

INDEX OF PRODUCTS AND SERVICES

- 10** This extensive index features manufacturers, suppliers, and consultants listed according to specific product and service categories. Display advertisers in this issue are highlighted in orange.

INDEX OF SUPPLIERS, MANUFACTURERS, & CONSULTANTS

- 42** Nearly 800 manufacturers, suppliers, and consultants providing products and services for corrosion prevention and control are listed alphabetically with their contact information. Display advertisers in this issue are highlighted.

SPECIAL FEATURE

- 66** CORROSION 2018 Recap

DEPARTMENTS

- 4** NACE International President's Message
82 Headquarters Directory
85 Corrosion Engineering Directory
88 Advertisers Index



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The *MP Buyers Guide* is an exclusive directory of manufacturers, suppliers, and consultants worldwide who provide products and services for the prevention and control of corrosion. To use this guide, first turn to the *Index of Buyers Guide Categories* for the locations of specific product and service categories of interest. This leads to the *Index of Products and Services*, which lists companies and consultants specializing in these categories. The *Index of Suppliers, Manufacturers, and Consultants* is an alphabetical listing of company names and contact information.



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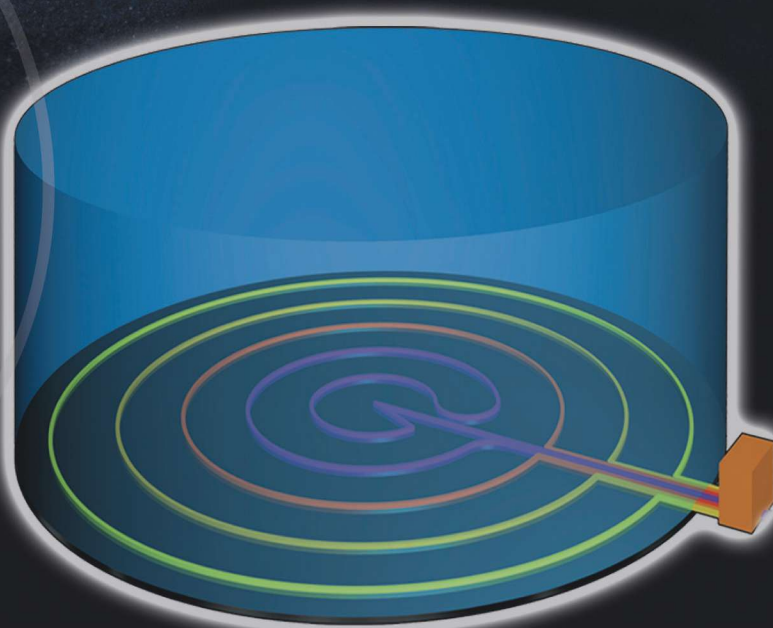
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Welcome to the 2018 *MP* *Buyers Guide*



I am pleased to introduce the 2018 *MP Buyers Guide*—the world's most comprehensive resource for corrosion control products and services for all industries and requirements. The guide was developed in conjunction with a company that specializes in building and maintaining online buyers' guides for national and international associations. The online guide features companies by product and service categories, with capabilities that include live links to email addresses and web sites, automated email requests for information, and comprehensive searches by company name, products, services, and locations. To access the online guide, go to www.mpbuyersguide.com.

This print version is based on data for completed listings downloaded from the online guide on May 17, 2018, to give our editorial and creative services team the time required to edit, format, and print the guide for distribution in July. Completed listings in the online guide are those that contain logos, descriptions, links, and category headings. More companies may have added or edited listings since then. If you are with a corrosion control company or are self-employed as a consultant and have not submitted a listing, please go to www.mpbuyersguide.com—you can add or edit your online listing at any time throughout the year. Any completed listings submitted or renewed by next May will appear in the 2019 print guide.

This issue also contains one of the most popular features of the year—the NACE annual conference highlights. Starting on p. 66, the CORROSION 2018 Recap features photos and descriptions detailing the informative meetings, symposia, lectures, special networking events, Exhibit Hall, and more that occurred in April 2018 in Phoenix, Arizona, USA.

Finally, I would like to take this opportunity to ensure you are making good use of NACE International's IMPACT Study report and the resulting IMPACT PLUS portal of corrosion management tools. IMPACT—The International Measures of Prevention, Application, and Economics of Corrosion—can be accessed by the general public at impact.nace.org. The site features report content broken out by its various categories, enabling users to quickly and easily access data of specific interest, including tools to implement best corrosion management practices and systems throughout an organization. Since the publication of this study in 2016, the NACE International Institute has continued to develop corrosion management system tools including IMPACT PLUS. Released in December 2017, IMPACT PLUS balances technical and business solutions by utilizing process classification frameworks, maturity models, and benchmarking expertise. It also contains an extensive reference library. For more information, see www.nace-impact.org.

The IMPACT report and portal, the *MP Buyers Guide*, and a wealth of other publications and programs are among many resources NACE International offers its 37,000+ membership and the corrosion community at large as part of its mission to equip society to protect people, assets, and the environment from the adverse effects of corrosion. It is our hope that by using these tools, corrosion professionals will discover new ways to improve operations, reduce costs, and preserve the environment and valuable assets well into the future.

Jeffrey L. Didas



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INDEX OF BUYERS GUIDE CATEGORIES

BOILERS	10	Piling Protection.....	21
Inspection Services	10	Repair Materials	21
Treatment Chemicals.....	10	Water/Wastewater Facilities	21
Treatment Services.....	10	CONSULTANTS.....	21
CATHODIC PROTECTION.....	10	AC Mitigation Systems	21
Anode/Cathode Accessories.....	10	Accident Investigation/Expert Witness	22
Anodes/Cathodes.....	10	Anodic Protection	22
Backfills	10	Cathodic Protection.....	22
CP Accessories.....	10	Coating Inspection	22
CP Installation Services	12	Corrosion	22
CP Modeling	12	Design Services	24
Electrodes.....	12	Engineering.....	24
Field Testing Services	12	Failure Analysis.....	24
Galvanic Protection.....	12	Inhibitors, Oil/Gas.....	24
Isolation Kits	12	Metallurgical Analysis	24
Junction Boxes/Rectifiers	12	Metals	24
Marine/Offshore.....	12	Nuclear	24
Metal/Alloy Products	12	Petroleum Corrosion Control.....	24
Piling Protection.....	12	Protective Coatings/Linings.....	24
Pin Brazing.....	14	Risk-Based Inspection.....	24
Remote Monitoring	14	Risk/Reliability	24
Solar Power Supplies.....	14	Water Analysis	24
Surveys.....	14	Water Treatment	24
Water/Wastewater Facilities	14	CORROSION SERVICES.....	24
Wire Products.....	14	Abrasive Blasting Services	24
COATINGS.....	16	Alkaline Carbonate Stress Cracking Corrosion	25
Anti-Graffiti	16	Alloy Lining.....	25
Application Accessories	16	Cathodic Protection.....	25
Application Equipment	16	Coating Application Services.....	25
Applicators	16	Decontamination	25
Bridge Coatings	16	Education/Training.....	25
Climate Control.....	16	Fabrication Services.....	25
Coating Testing.....	16	Field Testing Services	25
Coatings Removal.....	16	Ice Blasting	25
Fasteners	18	Industrial Painting	25
Flame/Fire Retardant.....	18	Inhibitor Services.....	26
Floor Coatings.....	18	Inspection Services	26
Functional Coatings.....	18	Installation Services	26
Galvanizing	18	Laboratory Services	26
General Coatings.....	18	Medical Device Corrosion Testing	26
Heat Shrinkable.....	18	Microbe Identification	26
Heat-Resistant Coatings.....	18	Monitoring Services.....	26
Hi-Temp Wet Thin Film.....	18	Nondestructive Inspection.....	26
Inspection	18	Nondestructive Inspection Equipment.....	27
Insulation	18	Publications	27
Lead Abatement	18	Scale Inhibitors.....	27
Liquid Epoxy.....	18	Shot Blasting/Air Blasting/Wheel Blasting Services	27
Marine/Naval.....	18	Software.....	27
Metal and Alloy.....	18	Surface Preparation	27
No/Low Volatile Organic Compounds.....	20	Vacuum Excavation	27
Nuclear	20	Welding Services.....	27
Paints.....	20	CORROSION TESTING/INSPECTION	27
Plastics	20	Asset Integrity	27
Polyurea	20	Corrosion Coupons	27
Powder.....	20	Corrosion Monitoring	28
Primers.....	20	Electrochemical Corrosion Testing.....	28
Special Coatings	20	Holiday Detectors.....	28
Thermal Spraying.....	20	Inspection Access Plugs	28
Wet Surfaces	20	Instruments—Detectors	28
CONCRETE.....	20	Instruments—Inspection	28
Corrosion Control Services	20	Instruments—Monitoring.....	28
Corrosion Inhibitors	20	Laboratory Testing Equipment	28
Crack/Bridging Lining.....	21	Medical Device Corrosion Testing	28
Electrochemical Services.....	21	Offshore Inspections.....	28
Flooring System	21	Optical Equipment	28
Galvanic Protection.....	21	Soluble Salt Inspection.....	28
Green Concrete Treatment	21	Testing Equipment/Kits	28
Gunite	21	Testing Services.....	29
Impressed Current CP	21	Testing Supplies.....	29

Continued on page 8

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INDEX OF BUYERS GUIDE CATEGORIES

Continued from page 6

Thickness Gauges	29
Ultrasonic Inspection	29
UT Inspection Port Plugs	29
EQUIPMENT/SUPPLIES	29
Adhesives	29
Air Dryers	30
Air Filtration	30
Carbon Monoxide Monitoring	30
Cleaning Equipment	30
Columns	30
Conduit	30
Cooling Water Systems	30
Electric Deadman Controls	30
Enclosures	30
Equipment Rental	30
Equipment Repair	30
Explosion Proof Lights	30
Fasteners/Bolts & Nuts	30
Gaskets/Seals/Isolation Kits	30
Heat Exchangers	30
Heavy Equipment Sales	30
High-Pressure Hoses	30
Industrial Cleaning	30
Instruments—Locators	30
Lead Abatement	30
Leak Detectors	30
Nondestructive Inspection	30
Oil/Gas Production	31
Parts/Supplies	31
Petroleum Refining/Gas Processing	31
Power Systems	31
Pressure Vessels	31
Pumps/Mixers	31
Reactors	31
Respirators	31
Rust Removers	31
Sandblasting Equipment	31
Scaling Tools/Scarifiers	31
Sealants	31
Seaming Equipment	31
Shot Blasting/Air Blasting/Wheel Blasting Equipment	31
Shunts	31
Soda Blasting Equipment	31
Solar Modules	31
Solar Panels	31
Spray Booths	31
Spray Equipment	31
Surface Preparation	31
Vacuum/Dust Collection	32
Water Blasting Equipment	32
Water Blasting Replacement Parts	32
MARINE/MARITIME	32
Cathodic Protection	32
Corrosion Control and Prevention	32
Design Services	32
Education and Training	32
Engineering	32
General Coating	32
Inspection Services	32
Risk-Based Inspection	32
Surface Preparation	32
MATERIALS	32
Abrasives	32
Adhesives	32
Cleaning Chemicals	32
Composites	32
Copper Alloy	32
Corrosion Inhibitors	32
Electrical Grounding	32
Fiberglass Materials	32

Flue Gas Desulfurization Components	32
Forgings	32
Garnet	32
Grout	32
Lubricants	32
Metal/Alloy Products	32
Nickel Alloy	34
Plastics	34
Protective Linings	34
Resins	34
Rust Preventives	34
Sandblast	34
Sealants	34
Shape Tubing	34
Sodablast	34
Specialty Chemicals	34
Stainless Steel	34
Standards	34
Steel Bars	34
Titanium	34
Waterproof Membranes	34
Welding Products	34
Wire Products	34
Zirconium	34
PIGS	34
Mandrel	34
Poly Pigs	34
Spheres	34
Uracast	34
PIPES/PIPELINE	34
Casing Spacers/Isolators	34
Corrosion Inhibitors	34
CP Modeling	34
Fabrication/Spooling	34
Internal Pipeline Coating	36
Lined Pipe	36
Non-Contact/Non-Invasive	36
Pipe Cleaners/Pigs	36
Pipe Conditioning	36
Pipe Fittings	36
Pipeline Coating/Protection	36
Pipeline Installations	36
Pipeline Integrity	37
Pipeline Repair	37
Pipes/Tubes	37
Piping Inspection	37
Plastics	37
Sealants	37
Software	37
Surveys	38
Tapes/Pipeline Wraps	38
Water/Wastewater Facilities	38
Wire Products	38
TANKS	38
Cathodic Protection	38
Cleaning	38
Climate Control	38
Corrosion/Abrasion-Resistant Linings	38
CP Modeling	38
Fabricators	38
Inspection Services	38
Lining/Insulation	38
Polyurea	38
Railcar Lining	38
Repairs	38
Secondary Containment	40
Tank Construction	40
Tank Linings	40
Tank Protection	40
Tanks/Vessels	40

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HARSCO
Quikspray, Inc.

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Carlisle Fluid Technologies—Binks Devilbiss
Ransburg BGK
D.E. Stearns Co., The
Quikspray, Inc.
Sulzer Mixpac USA, Inc.
Tinker & Rasor

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TIGER Drylac Powder Coatings
V.I.P. Verniciatura Industriale Pesarese, S.r.l.

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Chromaflco Technologies
Endura Manufacturing Co., Ltd.
Greenman-Pedersen, Inc.
International Paint

JRGO, LLC

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Termarust Technologies

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Dehumidification Technologies, LP
Elcometer, Inc.
Temp Coat Brand Products, LLC

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D.E. Stearns Co., The
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Exova

Fischer Technology, Inc.

Gamry Instruments
Marine Metal Coatings, Inc.
Q-Lab Corp.

Rigaku

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Termarust Technologies

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Pipe Valve & Fitting

PPG Protective and Marine Coatings

Sika Corp.—Flooring
Tnemec Co., Inc.

Functional Coatings

AAA Blast Cote, Inc.
Air Pac Enterprises, Ltd.
Axalta Coating Systems—Powder North America
C4E North America, LLC

PPG Protective and Marine Coatings

V.I.P. Verniciatura Industriale Pesarese, S.r.l.

Galvanizing

Dampney Co., Inc.

General Coatings

Alpine Painting & Sandblasting
Arizona Coating Applicators, Inc.
A.W. Chesterton Co., ARC Efficiency & Protective Coatings
Axalta Coating Systems—Powder North America
Belzona Western, Ltd.
Brock Services, LLC
Cortec Corp.
Dudick, Inc.
Endura Manufacturing Co., Ltd.
Gulf Coast Paint Mfg., Inc.
Highland International
Long Painting Co.
Tnemec Co., Inc.
Trenton Corp.
Wasser Corp.
Wilko Paint, Inc.

Heat Shrinkable

Midwestern Pipe Line Products Co.
Seal for Life Industries BVBA (Berry Plastics/Stopaq)

Heat-Resistant Coatings

Air Pac Enterprises, Ltd.
BGH Edelstahlwerke, GmbH
C4E North America, LLC
Carboline Company
Chromaflo Technologies
Cloverdale Paint
Dampney Co., Inc.
Highland International
Park Derochie, Inc.

Polyguard Products, Inc.

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Master Bond, Inc.

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Vulcan Painters, Inc.

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Precision Iceblast Corp.
Superior Products International (SPI)

Liquid Epoxy

Air Pac Enterprises, Ltd.
Carboline Company
Denso North America
Farwest Corrosion Control Co.
Hempel USA, Inc.
Induron Coatings, Inc.
Polyguard Products, Inc.
Raven Lining Systems
Sauereisen, Inc.
Seal for Life Industries BVBA (Berry Plastics/Stopaq)
Tnemec Co., Inc.

Marine/Naval

AGC Chemicals Americas, Inc.
Denso North America
D.E. Stearns Co., The
Endura Manufacturing Co., Ltd.
Hempel USA, Inc.
Polyguard Products, Inc.
Sherwin-Williams Co.

Metal and Alloy

Air Pac Enterprises, Ltd.
Automatic Coating, Ltd.
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Seal for Life Industries BVBA (Berry Plastics/
Stopaq)

Wilko Paint, Inc.

Plastics

AOC Resins
Borealis AG
Performance Wire & Cable, Inc.

Polyurea

KEMA Coatings, Ltd.
Simpson Strong-Tie
Sprayroq, Inc.

Powder

3M Infrastructure Protection Products
Axalta Coating Systems—Powder North America
Fisher Co.
H.C. Starck, Inc.
L.B. Foster Co.

Primers

Air Pac Enterprises, Ltd.

Carboline Company

Cloverdale Paint
Hempel USA, Inc.

Sauereisen, Inc.

TIGER Drylac Powder Coatings
Tnemec Co., Inc.

Special Coatings

AAA Blast Cote, Inc.
Advanced Polymer Coatings
Arizona Coating Applicators, Inc.
Axalta Coating Systems—Powder North America
Borealis AG
C4E North America, LLC

Colonial Surface Solutions, Inc.
Dampney Co., Inc.
Endura Manufacturing Co., Ltd.
Gulf Coast Paint Mfg., Inc.
Highland International
Key Resin Co.
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Protection Engineering
RAM-100 International, LLC

Sauereisen, Inc.

Seal for Life Industries BVBA (Berry Plastics/
Stopaq)

Sika Corp.—Flooring
Specialty Polymer Coatings, Inc. (SPC)
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TIGER Drylac Powder Coatings
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Hall Industrial Contracting
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Decontamination

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Q-Lab Corp.
RAE Engineering and Inspection, Ltd.
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Colonial Surface Solutions, Inc.

RPS Composites, Inc.

Ward Tank & Heat Exchanger Corp.

Field Testing Services

Alpha Pipeline Integrity Services
Biodeterioration Control Associates, Inc.
Corromet, Ltd.
Corrosion Testing Services

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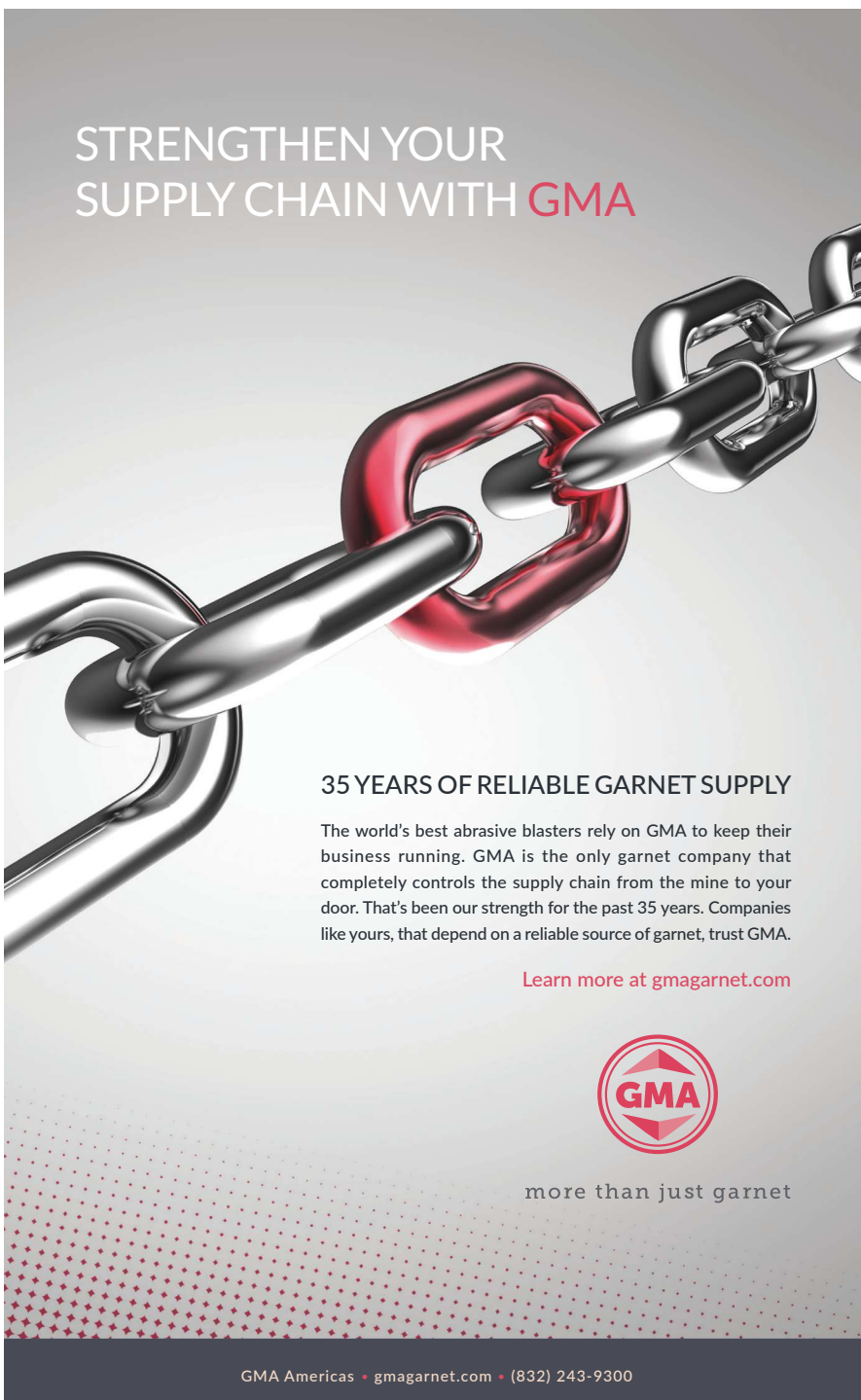
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RFI Consultants, LLC
SEMico Division
Team Industrial Services

Ice Blasting

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BrandSafway
Brock Services, LLC
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Coastal Corrosion Control, Inc.
Deepwater Corrosion Services
Diakont
ELK Engineering Associates, Inc.
Enduro Pipeline Services, Inc.
Galvotec Companies
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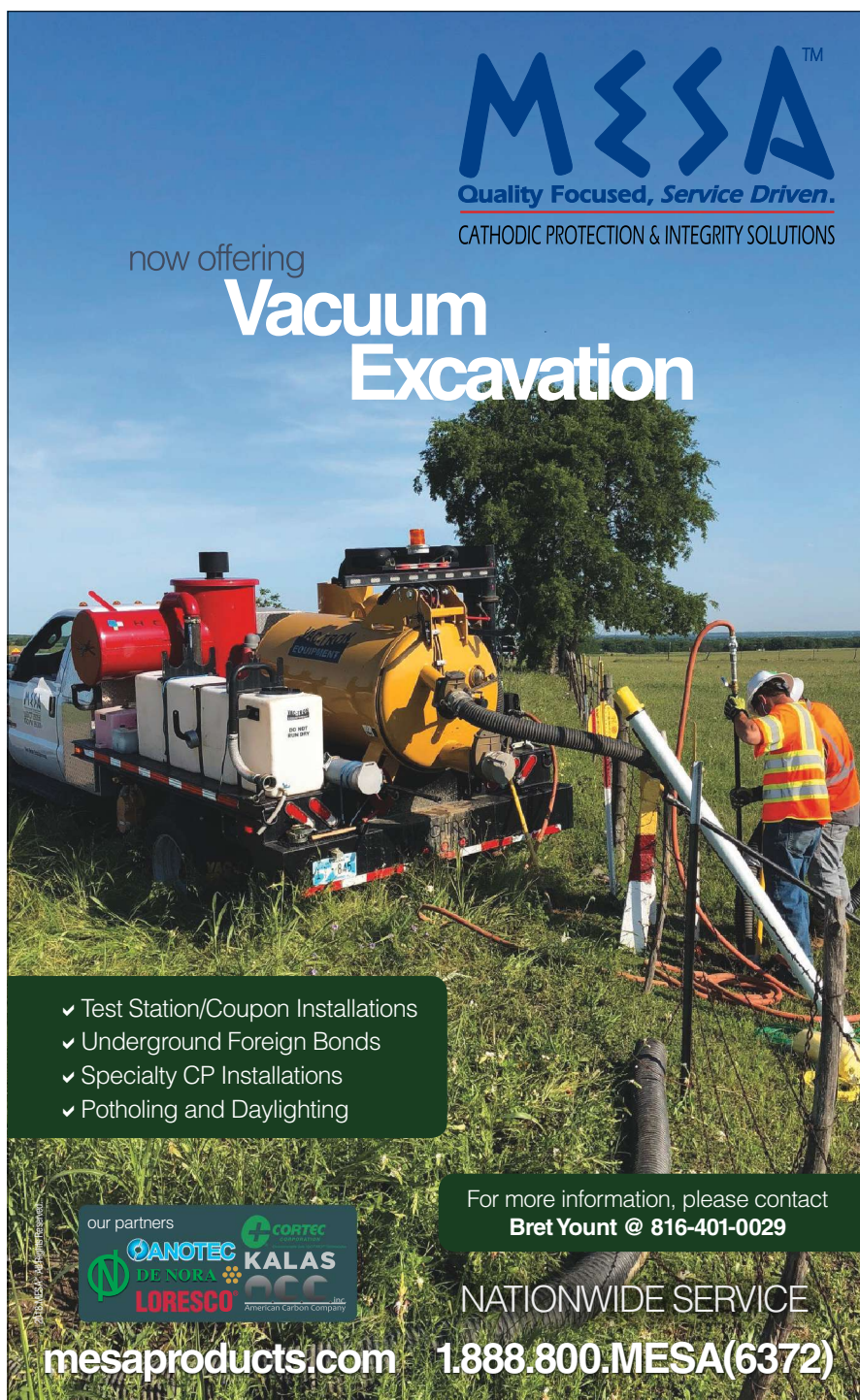
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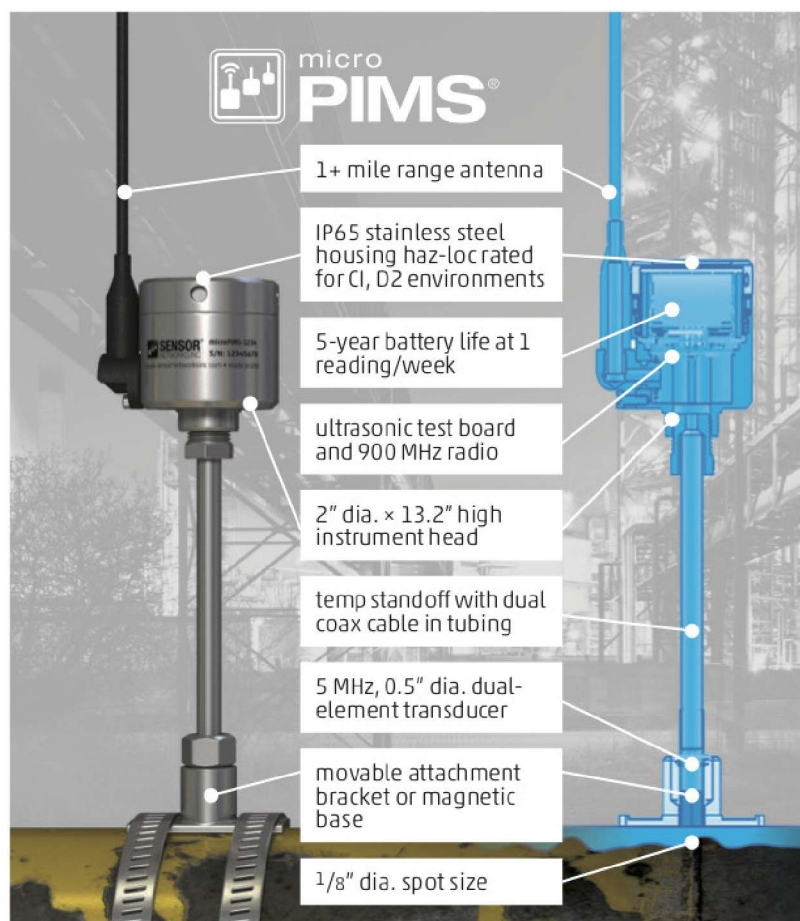
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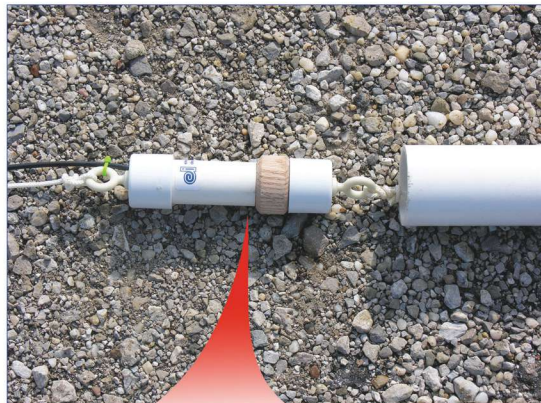
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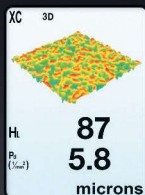
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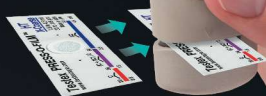
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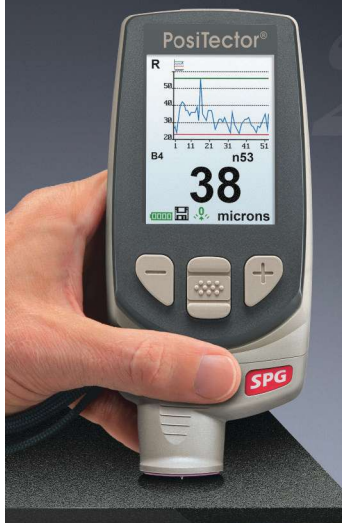


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Web site: www.airpacenterprises.com.

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Web site: www.alspi.com/laser.htm.

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Web site: www.alisto.com.

Allegheny Technologies, Inc.

Web site: www.atimetals.com.

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Web site: www.alliancepipeline.com.

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Web site: www.alliedcorrosion.com.

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Web site: www.alloystainless.com.

● **All-Safe Industrial Services**

Web site: www.allsafe1.com.

AlMaps

Web site: www.almaps.com.

● **AlpAccess**

Web site: www.alpaccess.com.

● **Alpha Pipeline Integrity Services**

Web site: www.alphaleak.com.

Alpine Painting & Sandblasting

Web site: www.AlpinePainting.com.

Alta Vista Solutions

Web site: www.altavistasolutions.com.

Amchem Products Pvt., Ltd.

Web site: www.amchemproducts.com.

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Web site: www.acipco.com.

American Composites Manufacturers Association

Web site: acmanet.org.

American Concrete Institute

Web site: www.concrete.org.

● **American Innovations, Inc.**

Web site: www.aiworldwide.com.

● **American Steel Treating**

Web site: www.americansteeltreating.com.

Ammonite Corrosion Engineering, Inc.

Web site: www.ammonite-corrosion.com.

● **AMPAK Cathodic Protection**

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Web site: www.asmcorrosion.com.

● **Aspen Aerogels**

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● **Astec**

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● **ATI**

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● **Atmos Energy**

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● **Atmospheric Corrosion Specialists, Inc.**

Web site: acspecialists.us.

Aurora Corrosion Control

Web site: www.auroracorrosion.ca.

Australasian Corrosion Association, Inc.

Web site: www.membership.corrosion.com.au.

Automatic Coating, Ltd.

Web site: www.automaticcoating.com.

A.W. Chesterton Co., ARC Efficiency & Protective Coatings

Web site: www.arc-epc.com.

Axalta Coating Systems—Powder North America

Web site: www.axalta.us/powder.

● **Aztech Training & Consultancy**

Web site: www.aztechtraining.com.

● **AZZ, Inc.**

Web site: www.azz.com.

● **BAC Corrosion Control, Ltd.**

Web site: www.bacgroup.com.

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Web site: www.baesystems.com.

● **Baker Hughes, Inc.**

Web site: www.bakerhughes.com.

B&H Distributors, Inc.

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BASF Building Systems

Web site: www.buildingsystems.basf.com.

● **Bass Engineering**

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● **BOMESC Offshore Engineering Co., Ltd.**

Web site: www.bomesc.com.

Borealis AG

Web site: www.borealisgroup.com.



BORIN® Manufacturing, Inc.

Culver City, CA 90230, USA. Tel: +1 310-822-1000. Web site: www.borin.com. Email: gregg@borin.com. BORIN® Manufacturing has been innovative in the CP industry for over 40 years. Their newest addition to the industry is the re-designed DART® for rectifiers. The new DART® for rectifiers is compact; fitting seamlessly inside your existing rectifiers. Smart enough to securely deliver access and remote control of the most remote rectifiers. The new DART® comes with a three-rectifier monitoring capacity and is expandable to 72 devices. Securely monitor and control your CP system from any Internet-enabled device such as your smart phone, tablet, and computer. Continually BORIN® is the most innovative manufacturer of reference electrodes with STEALTH® standard, IR-free coupons, and AC-mitigation monitoring electrodes. The (HCP™) STEALTH™ Hydrocarbon Proof™ is our latest and most innovative reference electrode. This is the only one that can be used in environments with high chloride levels.

See back cover for our ad.

● **BRACE Integrated Services**

Web site: www.brace.com.

BrandSafway

Web site: www.brandsafway.com.

● **Brevard Co., The**

Web site: www.brevardcompany.com.

Brock Services, LLC

Web site: www.brockgroup.com.

Bry-Air (Malaysia) Sdn. Bhd.

Web site: www.bryair.com.my.

BSS Technologies

Web site: www.bsstechnologies.com.

Bully Blast & Paint Services, Ltd.

Web site: www.bullyblasting.net.

● **Bureau Veritas Services**

Web site: www.bureauveritas.com.

BYK-Gardner USA

Web site: www.byk.com/en/instruments/products.

C4E North America, LLC

Web site: www.c4etechnology.com.

Caidmark Sdn. Bhd.

Web site: www.caidmark.com.my.

Cairn India

Web site: www.cairnindia.com.

● **Callaway Industrial Services**

Web site: www.callawayindustrial.com.

Caltrode, Ltd.

Web site: caltrode.solutions.

● **Canada Metal (Pacific), Ltd.**

Web site: www.seaguardinternational.com.

● **Canadian Maritime Engineering, Ltd.**

Web site: www.cmelimited.com.

● **Candor Technology Co., Ltd.**

Web site: www.candortech.com.

Canline Pipeline Solutions, Ltd.

Web site: www.canline.ca.

● **CAN (Offshore), Ltd.**

Web site: www.cangroup.net.

Canusa CPS

Web site: www.shrinkslvees.com/main/home.htm.

Capital Inspectors

Web site: www.capitalinspectors.com.

Caproco, Ltd.

Web site: www.caproco.com.



● **Carboline Company**

2150 Schuetz Rd., St. Louis, MO 63146, USA. Tel: 1 800-848-4645 or +1 314-644-1000. Fax: +1 314-587-2693. Web site: www.carboline.com. Email: mbentley@carboline.com. Carboline Company is dedicated to supplying high-performance coatings, linings, and fireproofing products around the world through continuous technological improvements and first-class service.

See p. 1 for our ad.

Carlisle Fluid Technologies—Binks Devilbiss Ransburg BGK

Web site: www.carlisleft.com.

● **Carolina Coating Solutions & Industrial Services, Inc.**

Web site: www.carolinacoatingsolutions.com.

● **Cathelco, Ltd.**

Web site: www.cathelco.com.

Cathodic Protection Co., Ltd.

Web site: www.cathodic.co.uk.

● **Cathodic Protection International Co.**

Web site: www.cathodicprotectioninternational.com.

Cathodic Protection Management, Inc.

Web site: www.corrosionspecialists.com.

Cathodic Technology, Ltd.

Web site: www.cath-tech.com.

CCB International

Web site: www.ccb-intl.com.

CCI Inspection Services, Inc.

Web site: www.cci-inspection.com.

CCI Pipeline Systems

Web site: www.ccipipe.com.

● **CEC Corrosion Services**

Web site: www.ceccorrosionservices.com.

● **CECO Pipeline Services, Inc.**

Web site: www.tryceco.com.

Cenozon, Inc.

Web site: www.cenozon.com.



Manufacturer of Cathodic Protection Systems
A DIVISION OF APS MATERIALS, INC.

CerAnode Technologies, a Division of APS Materials, Inc.

4011 Riverside Dr., Dayton, OH 45405, USA. Tel: +1 937-278-6547. Fax: +1 937-278-4352. Web site: www.ceranode.com. Email: ceranode@apsmaterials.com. CerAnode is a manufacturer of mixed metal oxide impressed current titanium anodes for most every CP application. CerAnode anodes are distinctive with their unique arc-plasma sprayed surface architecture enhancement, making them the most abrasion-resistant MMO anodes available. CerAnode Technologies International is a division of APS Materials, Inc., a high-tech arc-plasma spray coatings company.

See p. 3 for our ad.

● **Certified Pipe Services Houston, Inc.**

Web site: www.cps-houston.net.

Cescor, S.r.l.

Web site: www.cescor.it.

● **Challenger Drilling, Inc.**

Web site: www.challengerdrilling.com.

● **Chapman Engineering**

Web site: www.chapman.engineering.

Charter Coating Service (2000), Ltd.

Web site: www.chartercoating.com.

● **Chase Corp.**

Web site: www.chasecorp.com.

● **Chelyabinsk Tube Rolling Plant**

Web site: www.chtpz.ru.

● **Chemical Newtech SpA.—Titanium Anodes**

Web site: www.chemicalnewtech.com.

● **Chengdu Longzhiquan Science & Technology Co., Ltd.**

Web site: www.fangfu.com.

● **China Petroleum Engineering & Construction Corp. Southwest Co.**

Web site: cpe.cnpc.com.cn.

CHLOR RID International, Inc.

Web site: www.chlor-rid.com.

Chromaflo Technologies

Web site: www.chromaflo.com.

● **Classic Protective Coatings**

Web site: www.classicprotectivecoatings.com.

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Web site: www.clayburngroup.com.

CL Coatings, LLC

Web site: www.nacoatings.com.

● Clean Harbors Industrial Services

Web site: www.cleanharbors.com.

● Clemco Industries Corp.

Web site: www.clemcoindustries.com.

Clock Spring Co., Inc.

Web site: clockspring.com.

Cloverdale Paint

Web site: www.cloverdalepaint.com.

● CMP Coatings, Inc.

Web site: www.cmp.co.jp/global/americans.html#usa.

● CNPC Tubular Goods Research Institute

Web site: tgrc.cnpc.com.cn.



Coastal Corrosion Control, Inc.

10172 Mammoth Ave., Baton Rouge, LA 70814, USA. Tel: +1 225-275-6131. Fax: +1 225-275-6115. Web site: www.coastalcorrosion.com. Email: info@coastalcorrosion.com. At Coastal Corrosion Control, we know that when work needs to be done, people matter in the process. For over two decades we have served clients in the corrosion prevention field, based out of our home office in Baton Rouge, Louisiana. We are excited to have an additional office located just north of Houston, Texas to better serve our growing business network. With both onshore and offshore capabilities, we work in a wide range of industries: oil and gas exploration, production and transportation, petrochemical refineries, terminal facilities, municipal and government facilities, engineering firms, electrical power, and mining companies. We look forward to serving you.

See p. 26 for our ad.

Coastal Flow Measurement Companies

Web site: www.coastalflow.com.

Coast to Coast Inspection Services, Inc.

Web site: www.coastnde.com.

● Coating Services, Inc.

Web site: www.foustgrp.com.

CoatingsPro[™]

CoatingsPro Magazine

4501 Mission Bay Dr., Ste. 2G, San Diego, CA 92109, USA. Tel: +1 858-490-2708 or +1 858-768-0825. Fax: +1 858-272-0622. Web site: www.coatingspromag.com. Email: eliina.lizarraga@nace.org. A publication of NACE International, *CoatingsPro* offers an in-depth look at industrial and commercial protective coatings based on case studies, successful business operations, new products, industry news, and the safe and profitable use of coatings and equipment. The magazine is free to members of the coating profession.

Codelpa Peru SAC

Web site: www.codelpa.com.pe.

Colonial Surface Solutions, Inc.

Web site: www.colonialsurfacesolutions.com.

● Compliance Testing & Technology, Inc.

Web site: www.ctandt.net.

Composi Sleeve

Web site: www.composisleeve.com.

● Consolidated Pipe & Supply

Web site: www.consolidatedpipe.com.

● Continental Industries, a Division of Burndy, LLC

Web site: www.thermoweld.com.

Controlled Dehumidification

Web site: www.ctrdh.com.

Copper Nickel Task Group—Copper Development Association

Web site: www.coppernickel.org.

Corcoran Glass & Paint

Web site: www.finishingpluswi.com.

Cormetrics, Ltd.

Web site: www.cormetrics.ca.

Cormet Testing Systems

Web site: www.cormet.fi.

● Corporacion Mara S.A.

Web site: www.aurora.com.pe.

Corrmet Engineering Services

Web site: www.corrosiontesting.com.

Corrodys

Web site: www.corrodys.com.

● CorroMetrics Services, Inc.

Web site: www.corrometrics.com.

CORROSION[®]

The Journal of Science & Engineering

CORROSION

15835 Park Ten Pl., Houston, TX 77084, USA. Tel: +1 281-228-6200. Fax: +1 281-228-6300. Web site: www.corrosionjournal.org. Email: firstservice@nace.org. NACE International's *CORROSION* is the world's largest permanent record of progress in corrosion control and prevention with more than 70 years of published research from engineers and scientists to draw upon. The journal is available online at corrosionjournal.org.

● Corrosion Control, Inc.

Web site: www.corrosioncontrolinc.com.

Corrosion Institute of Southern Africa

Web site: www.corrosioninstitute.org.za.

CorrosionJobs.com

Web site: CorrosionJobs.com.

● Corrosion Materials, Inc.

Web site: www.corrosionmaterials.com.

● Corrosion Service Co., Ltd.

Web site: www.corrosionservice.com.

● Corrosion Technology Services, LLC

Web site: www.ctsonline.com.

Corrosion Testing Laboratories/Corrosion Probe, Inc.

Web site: www.corrosionlab.com.

● Corrosion Testing Services

Web site: www.ctesting.com.

Corrosion y Proteccion Ingenieria SC

Web site: www.corrosionyproteccion.com.

● Corrpro Companies, Inc.

Web site: www.corrpro.com.

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Complete award details available at www.nace.org/mpinnovationawards

Submit nominations to MPIInnovationAwards@nace.org

(Web site availability and acceptance of nominations begins July 2, 2018.)



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Cortec® Corp.

4119 White Bear Pkwy., St. Paul, MN 55110, USA. Tel: 1 800-426-7832 or +1 651-429-1100. Fax: +1 651-429-1122. Web site: www.cortecvci.com. Email: info@cortecvci.com. Cortec® Corp. is the global leader in innovative, environmentally responsible VpCI® and MCI® corrosion control technologies for packaging, metalworking, construction, electronics, water treatment, oil and gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, and ISO 17025 certified.

See p. 10 for our ad.

● Cosasco (Rohrback)

Web site: www.cosasco.com.

Cott Manufacturing Co.

Web site: www.cottmfg.com.

● Covestro

Web site: www.covestro.com.

● Critical Control

Web site: www.criticalcontrol.com.

Crompton International

Web site: www.crompton.com.

● Crossbridge Compliance, LLC

Web site: www.crossbridgecompliance.com.

● CSS Industrial & Commercial Maintenance, LLC

Web site: www.cssicm.com.

CTI Industries

Web site: www.cti-ind.com.

CTI Industries

Web site: ctiindustries.com.

Cumberland Cathodic Protection, Ltd.

Web site: www.cumberlandcp.net.

● Curtin University of Technology

Web site: curtin.edu.au.

Dai Nippon Toryo Co., Ltd.

Web site: www.star.dnt.co.jp.



Dairyland Electrical Industries, Inc.

PO Box 187, Stoughton, WI 53589, USA. Tel: +1 608-877-9900. Fax: +1 608-877-9920. Web site: www.dairyland.com. Email: marketing@dairyland.com. Established in 1983, Dairyland applies the concepts of isolation, grounding, and over-voltage protection to a wide variety of applications including: AC voltage mitigation, insulated joint protection, gradient control mats and decoupling, separating structures with cathodic protection from grounding systems, and many more. Dairyland's solid-state solutions are trusted around the world to provide the industry's safest and most reliable decoupling and protection. Dairyland's design techniques lead to proven long life and maintenance-free operation. Dairyland is the leader in the industry with popular products such as the PCR, SSD, OVP, and OVP2, as well as a full line of accessories to make installation quick and easy. Dairyland is an ISO 9001:2015-certified company positioned to deliver the exceptional product quality and service customers expect.

See p. 15 for our ad.

● Dalco Services, Inc.

Web site: www.dalco.ca.

Dale Fastener Supply

Web site: dalecompany.com.

● Dalla Riva Aust. Pty., Ltd. (DRA)

Web site: www.draconstruct.com.

● Dampney Co., Inc.

Web site: www.dampney.com.

Daubert Cromwell

Web site: www.daubertcromwell.com.

● Daya Secadyme Sdn. Bhd.

Web site: dayagroup.com.my.

● DECO Coatings

Web site: www.decocoatings.com.

Deepwater Corrosion Services

Web site: stoprust.com.

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800 Proctor Ave., Ogdensburg, NY 13669, USA. Tel: 1 800-448-3835 or +1 315-393-4450. Fax: +1 315-393-8471. Web site: www.defelsko.com. Email: techsale@defelsko.com. DeFelsko, a leading U.S. manufacturer of inspection instruments, manufactures the PosiTector series of interchangeable probes for measuring coating thickness, profile, environmental conditions, salt contamination, hardness, concrete moisture, and wall thickness. Products include the PosiTector 6000 coating thickness gage, the PosiTector SST soluble salt tester for measuring soluble salt contamination, the PosiTest LPD low voltage pinhole detector for detecting holidays and other flaws in coatings, and the PosiTector SHD shore hardness durometer for measuring the hardness of pipe wraps, plastics, rubbers, and more.

See pp. 29 & 40 for our ads.

Dehumidification Technologies, LP

Web site: www.rentdh.com.

● DEKOTEC, GmbH

Web site: www.dekotec.net.

● Delaware Manufacturing Industrial Corp.

Web site: www.dmic.com.

Delta Tech Service, Inc.

Web site: www.deltatechservice.com.

● Demilec (USA), LLC

Web site: www.sealection500.com.



De Nora Tech, LLC

7590 Discovery Ln., Concord, OH 44077, USA. Tel: +1 440-710-5300. Fax: +1 440-710-5301. Web site: <http://americas.denora.com/markets/Cathodic-Protection.html>. Email: dntinfo@denora.com. De Nora is a pioneer and leader in the field of mixed metal oxide (MMO) anodes for over 40 years with the longest-life anodes for superior system performance. Tens of thousands of groundbeds have been installed worldwide using Lida® anodes. De Nora provides a full range of anode structures including tubes, wire, rod, ribbon, and linear flexible geometries. De Nora can provide virtually any anode configuration to meet your special needs. For additional information, visit our web site at www.denora.com.

See p. 49 for our ad.

● DENSO, GmbH

Web site: www.denso.de.

www.materialsperformance.com

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+1 281-821-0304. Web site: www.densona.com.
Email: info@densona.com. Denso North America is a subsidiary of Winn & Coales International, a leading manufacturer of anticorrosion coatings that include Protal liquid epoxies, Denso petrolatum tapes, mastics, primers, bitumen tapes, butyl tapes, hot-applied tapes, tank linings and coatings, and a full line of marine pile protection systems. Winn & Coales was originally established as a business in London, England, in 1883, and the first petrolatum tape manufactured in the United Kingdom was Denso tape, manufactured under license by Winn & Coales (Denso), Ltd. Denso tape was developed over 80 years ago for the long life protection of buried steel pipelines against corrosion. The Denso Sea-Shield Marine Systems include fiberglass forms, epoxy grouts, underwater epoxies, injectable epoxies, petrolatum tape wrap systems, and much more.

See p. 41 for our ad.

Desmond-Stephan Mfg. Co.
Web site: www.SwirlOff.com.

THE D. E. STEARNS COMPANY

● **D.E. Stearns Co., The**

PO Box 3456, Shreveport, LA 71133-3456, USA.
Tel: +1 318-635-5351. Fax: +1 318-636-6969.
Web site: www.destearns.com. Email: info@destearns.com. For more than 70 years, the D. E. Stearns Co. has manufactured holiday detectors for the pipeline and associated industries. The D. E. Stearns Co. holiday detectors are used throughout the world and the D. E. Stearns Co. is widely recognized as the leading holiday detector manufacturer in the world.

See p. 31 for our ad.

● **Diakont**

Web site: www.diakont.com.

● **Dive/Corr, Inc.**

Web site: www.divecorr.com.

● **Dixie Testing and Products, Inc.**

Web site: www.dixietesting.com.

● **DNV GL**

Web site: www.dnvgl.com.

● **Donelli Eos, S.r.l.**

Web site: www.donelli.it.

● **Dong Yang Corrosion Engineering. Co., Ltd.**

Web site: www.dyceglobal.com.

● **Dorf Ketal Chemicals, LLC**

Web site: www.dorketal.com.

● **Dtaic Inspection Equipment (Suzhou) Co., Ltd.**

Web site: www.dtaic.com.

● **Dual Global Mobile**

Web site: mobile.dualglobalmobile.co.uk.

● **Dudick, Inc.**

Web site: www.dudick.com.

● **Duke Energy**

Web site: www.duke-energy.com.

● **Duncan Galvanizing**

Web site: www.duncangalvanizing.com.

● **Dunn-Edwards Corp.**

Web site: www.dunnedwards.com.

● **DuPont Engineering**

Web site: www.usa.dupont.com.

● **Dupree Testing Services, Inc.**

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EcoQuip, Inc.

Web site: www.ecoquip.com.

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Web site: www.eddyfitechnologies.com.

Edmonton Exchanger and Manufacturing, Ltd.

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See p. 7 for our ad.

● Elecsys Corp.

Web site: www.elecsyscorp.com.

Innovative cathodic
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www.edi-cp.com

electrochemical devices, inc.

Electrochemical Devices, Inc.

PO Box 789, Middlefield, OH 44062, USA. Tel: +1 617-484-9085. Fax: +1 617-484-3923. Web site: www.edi-cp.com. Email: info@edi-cp.com. Electrochemical Devices, Inc. (EDI) specializes in the design and manufacture of a variety of products for monitoring and controlling corrosion. Our primary expertise is permanent reference electrodes used for continuously monitoring the potential of a structure. Changes in potential readings alert the user to possible corrosion problems. EDI reference electrodes are designed for easy installation and have the longest demonstrated service lives in the industry. The company manufactures two styles of reference electrodes with both 30- and 50-year design life. These are available with either Ag/AgCl or Cu/CuSO₄ gelled elements. EDI recently introduced a patented cathodic protection (CP) coupon that provides an IR-free potential reading without interrupting the CP current. This product is used in conjunction with our reference electrodes where there is remote monitoring.

See p. 39 for our ad.

● Elemco Services, Inc.

Web site: www.elemco.com.

● Element Materials Technology

Web site: www.element.com.

ELK Engineering Associates, Inc.

Web site: www.elkeng.com.

● Elsya NV

Web site: www.elsyca.com.

Endura Manufacturing Co., Ltd.

Web site: www.endura.ca.



Enduro Pipeline Services, Inc.

PO Box 3489, Tulsa, OK 74101, USA. Tel: +1 918-446-1934. Web site: www.enduropls.com. Email: billd@enduropls.com. Enduro provides Safety First pipeline pigging ILLI services complemented by the design, manufacture, and supply of cost-effective pigging products; all focused on exceeding pipeline operator operational and integrity excellence. Enduro provides MFL survey services, caliper inspections, and pigging products. Products include all urethane uni-body pigs, metal body pigs, tracking and pig locating equipment, plus pig passage indicators. Custom design and manufacture of pigs for unique applications is our specialty.

See p. 5 for our ad.

● EN Engineering, LLC

Web site: www.enengineering.com.

● Enerfab

Web site: www.enerfab.com.

Energy Alloys, LLC

Web site: www.ealloys.com.

Energy Economics, Inc.

Web site: www.eei.com.

Energy Transfer

Web site: www.energytransfer.com.

● Engineers India, Ltd.

Web site: www.eil.co.in.

Engro Polymer & Chemicals

Web site: www.engropolymer.com.

EnhanceCo, Inc.

Web site: www.enhanceco.net.

● Environmental Works, Inc.

Web site: www.environmentalworks.com.

EpoxyTec

Web site: www.epoxytec.com.

Ervin Industries, Inc.

Web site: www.ervinindustries.com.

● ESN Eng. Services Network, GmbH

Web site: www.esn-gmbh.com.

● E-TECH Energy Technology Development Corp., Ltd.

Web site: www.etechoil.com.

● Evonik Corp.

Web site: www.evonik.com.

● Evraz, Inc.

Web site: www.evrazincna.com.

● Excet, Inc.

Web site: www.excetinc.com.



Exova

Web site: www.exova.com.

F & S Surface Solutions, Inc.

Web site: www.fandsequipment.net.



FARWEST CORROSION CONTROL COMPANY

Farwest Corrosion Control Co.

12029 Regentview Ave., Downey, CA 90241, USA. Tel: 1 888-532-7937 or +1 310-532-9524. Web site: www.farwestcorrosion.com. Farwest Corrosion is a leading full service provider of cathodic protection (CP) and corrosion control related products and services with over 60 years of industry experience. With nine regional warehouse/office locations around the country, it offers a large inventory of products such as anodes, backfill, cable, reference electrodes, coupons, power supplies, isolation fittings, test stations, instrumentation, coatings, and much, much more. In addition, installation and engineering services are also provided from many of these locations. Farwest Corrosion is an accredited Women Business Enterprise (WBE). Their web site is extensive and contains over 1,000 pages of products, instructions, videos, technical information, drawings, and more.

See p. 12 for our ad.

● **Fiberbuilt Manufacturing, Inc.**

Web site: www.fiberbuilt.com.

● **Fine Line Consulting, Ltd.**

Web site: www.finelinegroup.net.

● **Firestop Internacional**

Web site: www.firestopinternacional.rs.



Fischer Technology, Inc.

750 Marshall Phelps Rd., Windsor, CT 06095, USA. Tel: 1 800-243-8417 or +1 860-683-0781. Fax: +1 860-688-8496. Web site: www.protective-coating-inspection.com. Email: info@fischer-technology.com. In today's competitive climate, it is extremely important for anyone applying protective coatings to adhere to required thickness specifications (SSPC PA2, IMP PSCP, etc.). Monitoring the thickness of the coating can potentially save tens of thousands of dollars in costs. FISCHER provides specific solutions for the precise measurement of corrosion protection coatings according to international standards. Fischer offers a complete range of instruments to measure coating thickness, thermal spray or intumescent coatings, surface profile, and holiday detection. All Fischer units and standards are serialized and certified.

See p. 18 for our ad.

Fisher Co.

Web site: www.fisherutah.com.

Flat Rock Bagging

Web site: www.flatrockbagging.com.

● **Flint Hills Resources**

Web site: www.fhr.com.

● **Formosa Plastics Group (FPG)**

Web site: www.fpg.com.tw.

● **Forrest Services**

Web site: forrestservicesllc.com.



● **Galvotec Alloys, Inc.—The Anode Company—With Integrity**

6712 S. 36th St., McAllen, TX 78503, USA. Tel: +1 504-362-7776. Fax: +1 504-362-7440. Web site: www.galvotec.com. Email: mtaravella@galvotec.com. Since 1984, Galvotec has established a reputation for product quality with a worldwide portfolio of successful project applications. Galvotec is recognized as the world's leading manufacturer of sacrificial aluminum, zinc, and magnesium anodes. Galvotec is ISO 9001-certified by DNV.

See p. 13 for our ad.



Galvotec Corrosion Services, LLC

300 Bark Dr., Harvey, LA 70058, USA. Tel: +1 504-362-7373. Fax: +1 504-362-7331. Web site: www.galvoteccorrosion.com. Email: Service@galvotec.com. Galvotec Corrosion Services is a full-service cathodic protection (CP) company specializing in marine retrofit systems for offshore shallow and deep ocean life extension for production structures and pipelines. It also manufactures anode assemblies for oil production separation vessels and tanks as well as performs a full line of onshore services such as deepwells for pipelines. It is also a BAC direct importer for pin brazing materials and is the exclusive distributor for the impressed current LockheedMartin Vertical Tension Anode system for offshore structures. It has employees with over 40 years of marine retrofit experience along with NACE-certified CP Specialists and licensed PE services.

See p. 13 for our ad.

Gamry Instruments

Web site: www.gamry.com.

● **Garratt Callahan**

Web site: www.g-c.com.

Gartner Coatings

Web site: www.gartnercoatings.com.

GaUS Anodes International, LLC

Web site: www.gausanodes.com.

Gazpromneft Science & Technology Centre, LLC

Web site: www.gazprom-neft.ru.

● **Gentherm Global Power Technologies (formerly Global Thermoelectric)**

Web site: www.globalte.com.

Girard Industries

Web site: www.girardind.com.

● **Glas Mesh Co.**

Web site: www.glasmesh.com.

● **Global Cathodic Protection, Inc.**

Web site: www.gcpi.ca.

Global Cathodic Protection, Inc.

Web site: www.globalcorrosion.com.

● **Global Pipe Co.**

Web site: www.globalpipe.com.sa.



● **GMA Americas**

1780 Hughes Landing Blvd., Ste. 725, The Woodlands, TX 77380, USA. Tel: +1 832-243-9300. Web site: www.gmagarnet.com. Email: info.us@gmagarnet.com. We are the trusted global leader in industrial garnet. For over 35 years, GMA has been providing the highest quality garnet to waterjet cutting and protective coating industries. We offer secure garnet supplies, deep expert advice, and a complete range of premium abrasive products for improved, fast, and effective results.

See p. 25 for our ad.

GMC Electrical, Inc.

Web site: www.gmcelectrical.net.

GOAD Co.

Web site: www.goadco.com.

● **Goebel Fasteners, Inc.**

Web site: www.goebel-fasteners.com.

● **G.O.S. Pte., Ltd.**

Web site: www.gos.com.sg.

GPT (Garlock Pipeline Technologies)

Web site: www.gptindustries.com.

● **Greenman-Pedersen, Inc.**

Web site: www.gpinet.com.

● **Grillo-Werke AG**

Web site: www.grillo.de.

● **GS Engineering & Construction Corp.**

Web site: www.gsconst.co.kr.

G-Tool Co., Ltd.

Web site: www.g-tool.jp.

Guided Wave Analysis, LLC

Web site: www.gwanalysis.com.

Gulf Coast Paint Mfg., Inc.

Web site: www.gulfcoastpaint.com.

● **Gunvor Raffinerie Ingolstadt, GmbH**

Web site: www.gunvor-deutschland.de.

● **H2M Architects & Engineers**

Web site: www.h2m.com.

H&M Analytical Services, Inc.

Web site: www.h-and-m-analytical.com.

Haldor Topsoe AS

Web site: www.topsoe.com.

Hall Industrial Contracting

Web site: www.hallindustrialcontracting.com.

HARSCO

Web site: www.blackbeautyabrasives.com.

● **Haynes International, Inc.**

Web site: www.haynesintl.com.

H.C. Starck

Web site: www.hcstarck.com.

● **HDR Engineering**

Web site: www.hdrinc.com.

Hebna Corp.

Web site: www.hebna.com.

● **Heerema Marine Contractors Ned. SE**

Web site: www.heerema.com.

Hempel USA, Inc.

Web site: www.hempel.us.

● **Henkels & McCoy, Inc.**

Web site: www.henkels.com.

Heresite Protective Coatings, LLC

Web site: www.heresite.com.

● **Highland International**

Web site: highland-international.com.

● **HMD Kontro Seal-Less Pumps, Ltd.**

Web site: www.hmdkontro.com.

● **HMI Technical Solutions**

Web site: www.hmiservices.com.

Hoff Co., Inc.

Web site: www.pipelinesupplies.com.



● **HoldTight Solutions, Inc.**
PO Box 27907, Houston, TX 77227, USA. Tel: +1 713-266-9339. Web site: www.Holdtight.com. Email: info@holdtight.com. HoldTight Solutions, Inc. is the trusted surface preparation solution company industry wide for the coating industry. Its products consistently clean surfaces during the surface preparation process to save time and money. It has set the standard of performance for more than three decades. HoldTight® completely removes all salts and therefore all conductivity. It also removes abrasives and debris from the surface's profile providing a better surface area to bond with coating. With HoldTight®, there are NO contaminants, NO flash rust, and NO residue or film. For more information, visit HoldTight.com.
See p. 21 for our ad.

● **Holloway Shunts**

Web site: www.hollowayshunts.com.

● **Honeywell Process Solutions**

Web site: www.honeywellprocess.com.

● **Hop Shing Engineering and Construction Co., Ltd.**

Web site: www.hopshingengineering.com.

● **Houston Community College—Southeast**

Web site: southeast.hccs.edu.

● **Hydrodig USA, LLC**

Web site: www.hydrodig.com.

● **Industrial Cathodic Protection, S.r.l.**

Web site: www.icpsrl.net.

● **IMC Engineering, S.r.l.**

Web site: www.imc-quorum.com.

IMEche Engineering Training Solutions

Web site: trainingsolutions.imeche.org.

● **InduMar Products, Inc.**

Web site: www.indumar.com.

Induron Coatings, Inc.

Web site: www.induron.com.

● **Industrial Fabrics, Inc.**

Web site: www.rockguard.biz.

Industrial Insulation Group (Johns Manville)

Web site: www.jm.com.

● **Industrie De Nora S.p.A.**

Web site: www.denora.com.

● **Initec Plantas Industriales**

Web site: www.tecnicasreunidas.es.

● **In-Line Pigging Solutions, Ltd.**

Web site: www.inlinepigging.com.

Innochem Co., Ltd.

Web site: www.innochem.pro.

INRES, Ltd.

Web site: www.inresltd.com/about-us.

● **Inspectest Private, Ltd.**

Web site: www.inspectest.com.pk.

● **Integrated Corrosion Companies, Inc.**

Web site: www.integratedcorrosion.com.

● **Integrated Global Services**

Web site: www.integratedglobal.com.

● **Integrity Specialists, LLC**

Web site: www.integrityspecialists.com.

● **Inter-City Contracting, Inc.**

Web site: www.intercitycontracting.com.

Intercontinental Corrosion Engineers (ICE)

Web site: www.icecathodic.com.

● **International Paint**

Web site: www.international-pc.com.

● **International Union of Painters and Allied Trades**

Web site: IUPAT.org.

INTERPAINTS SAC

Web site: www.interpaints.com.pe.

● **Interplastic Corp.**

Web site: www.interplastic.com.

● **Interprovincial Corrosion Control Co., Ltd.—Rustrol Systems**

Web site: www.rustrol.com.

INTERTANKO

Web site: www.intertanko.com.



● **High Performance Alloys, Inc.**
1985 E. 500 N., Windfall, IN 46076, USA. Web site: www.hpallloy.com. Serving the process industry with corrosion, wear, and temperature-resistant materials, our goal is to help companies increase up time through better material selection. We offer bar, sheet, plate, and forgings; nickel-based alloys: Inconel, Monel and Hastelloy; super stainless alloys: Nitronic 50 & 60, duplex grades 255 and 2507; and cobalt grades: Haynes and Stellite. As a service center, we will cut bars to multiple lengths. A piece can be cut from the sheet or plate. We offer secondary processes such as rough machining, and even light fabricating. Open die forging press for small to medium quantities, 3,000-lb max piece weight. Waterjet cutting of materials can produce near net shapes, with excellent edge quality.
See p. 30 for our ad.

● **HI-PEC High Technology PetroChemical Joint Stock Co.**

Web site: www.hi-pec.com.vn.

HJ3 Composite Technologies

Web site: www.hj3.com.



■ **INTEGRATED RECTIFIER TECHNOLOGIES INC.**
IRT Integrated Rectifier Technologies, Inc.
Tel: +1 780-447-1114 (Canada) or +1 918-805-7587 (USA). Web site: www.irtrectifier.com. Email: sales@irtrectifier.com. IRT Integrated Rectifier Technologies, Inc. is a leading manufacturer of cathodic protection (CP) rectifiers and junction panels. We've been partnering with a wide variety of CP clients to protect industry assets and our environment since 2001. We offer both standardized products for basic CP applications and also work with our clients to develop custom product solutions for special applications. Supporting our clients is our key focus. We want to supply you with reliable products, designed for your application, as quickly as possible (shipping in six weeks or less for standard rectifiers).
See p. 14 for our ad.

A corrosion marketing opportunity 75 years in the making.

NACE is commemorating its 75th anniversary throughout the year by celebrating the accomplishments of industry and its members worldwide. As part of this industry dedicated to corrosion prevention, you too can acknowledge this milestone with a powerful marketing opportunity from NACE and its flagship publication, *Materials Performance*.

The **September Keepsake Issue of *Materials Performance*** allows you to share your company's history, industry connection, and contributions. As a "keepsake" issue, it offers a long shelf-life and has far reaching industry impact.

CONTENT: The issue will include editorial in honor of the anniversary and a special section featuring an expert roundtable on history's top corrosion control innovations.

AD OPPORTUNITY: 75th Special Section, full-page advertisers receive free and equal space to join the celebration.

VALUE ADDED: Posting of your congratulatory NACE selfie video, issue bonus circulation, and special section distribution at select events.

September Keepsake Issue of *Materials Performance*

Advertising Closing Date: August 1, 2018

For maximum exposure of videos, submit early in 2018

For complete keepsake issue details, an exclusive sponsorship opportunity, and all anniversary activities, visit www.nace.org/75.

Join the celebration!

Call your NACE Sales Team contact or
Diane.Gross@nace.org.



● **ISTI Plant Services**

Web site: www.istips.com.

● **Istituto Italiano Saldatura**

Web site: www.iis.it.

● **Italfond S.p.A.**

Web site: www.italfond.it.

● **IT-Service**

Web site: www.it-samara.com.

IUPAT Finishing Trades Institute

Web site: www.finishingtradesinstitute.org.

JANX

Web site: www.janxndt.com.

● **Japan Carboline Co., Ltd.**

Web site: www.carboline.co.jp.

Jennings Anodes USA, Inc.

Web site: www.jenningsanodes.com.

Jet de Sable Houle Sandblast

Web site: www.houlesandblast.com.

Jet-Lube, Inc.

Web site: www.jetlube.com.

● **Jewel Welding Pipe-Fab**

Web site: www.jewelholdings.com.

John D. Mercer & Associates, Inc.

Web site: www.jdmercerc.com.

Johns Manville Industrial Insulation Group

Web site: www.jm.com.



Joseph Oat Corp.

2500 Broadway, Camden, NJ 08104, USA.
Tel: +1 856-541-2900. Fax: +1 856-541-0864.
Web site: www.josephoat.com. Email: sales@josephoat.com. Joseph Oat Corp. is a world-renowned designer and fabricator of pressure vessels, reactors, columns, heat exchangers, and other specialty items for use in chemical/petrochemical and other process industries; nuclear and commercial power plants; radioactive material storage and transportation; as well as for many other applications. Family owned and operated since 1788, the company has built its reputation by providing high-quality equipment using a myriad of corrosion-resistant alloys for highly demanding and critical applications. In addition to performing mechanical and thermal rating of heat exchangers, Joseph Oat also performs seismic analysis and finite element analysis on pressure vessels of all types when required by customer specification.

See p. 24 for our ad.



JRGO, LLC

2193 Northway Dr., Mt. Pleasant, MI 48858, USA.
Tel: +1 989-772-8888. Fax: +1 989-772-7778.
Web site: www.jrgollc.com. JRGO, LLC provides atmospheric inspection of bridge, pipeline, and coatings; CP system troubleshooting; CP test point surveys; rectifier and bond monitoring; leak patrols; short locating; RMU installation; close interval survey; soil resistivity; GIS services; line locating; conventional and deep anode bed installation and excavation; integrity/anomaly digs; test station installation; AC/DC mitigation; shorted casing remediation and/or removal; and ECDA/ICDA indirect, direct, pre, and post assessments.

See p. 55 for our ad.

● **JTL Consulting, Ltd.**

Web site: www.propaintcanada.ca.

● **Kansai Altan Boya San. Tic. As**

Web site: www.kansaialtan.com.tr.

KEMA Coatings, Ltd.

Web site: www.kemacoatings.com.

Kennametal, Inc.

Web site: www.kennametal.com.

Kern Steel Fabrication, Inc.

Web site: www.kernsteel.com.

Key Resin Co.

Web site: www.keyresin.com.

Khurram Engineering Co.

Web site: www.khurramengineering.com.

Kingston Technical Software (KTS)

Web site: www.corrosion-doctors.org.

Kinyon Construction, Inc.

Web site: www.kinyonconstruction.com.

Kirk Engineering Co., Inc.

Web site: www.kirkcell.com.

Kish Co., Inc., The

Web site: www.kishcompany.com.

● **KTA-Tator, Inc.**

Web site: www.kta.com.

Kurita Water Industries, Ltd.

Web site: www.kurita.co.jp.

● **Kuwait Pipe Industries and Oil Services Co.**

Web site: www.kpios.com.

Laboratorio Pruebas Electroquimicas

Web site: www.eninfinitem.com.

● **Lake Superior Consulting**

Web site: www.lscconsulting.com.

Lambda Technologies

Web site: www.lambdatechs.com.

● **L&T Hydrocarbon Engineering, Ltd.**

Web site: www.LNTENC.com.

Langley Alloys, Inc.

Web site: www.langleyalloys-usa.com.

LatinCorr

Web site: www.latincorr.com/home.

● **L.B. Foster Co.**

Web site: www.lbfoster-coatedproducts.com.

● **Ledcor Industrial Maintenance, Ltd.**

Web site: www.ledcor.com.

● **Libert Paints NV**

Web site: www.libertpaints.com.

● **Liberty Specialty Steels**

Web site: www.libertyhousegroup.com/our-businesses/liberty-steel/liberty-specialty-steels.

● **Life Last, Inc.**

Web site: www.lifelast.com.

● **Lindsay Development, LLC**

Web site: www.mccascade.com.

Liner e Coating do Brazil

Web site: www.linerexpandido.com.br.

● **LINE-X, LLC**

Web site: www.linex.com.

LIN SCAN Advanced Pipeline & Tank Services

Web site: www.linscaninspection.com.

● **LinTec Corp.**

Web site: www.linteccorp.com.

Lloyd's Register EMEA

Web site: www.lr.org.

Loftis Co., The

Web site: www.loftiscompany.com/contactus.php?rtn=services.

Long Painting Co.

Web site: www.longpainting.com.

● **Lopez Tank Lining, LLC**

Web site: www.lopeztankliningllc.com.



NACE International offers more than 400 books covering every aspect of corrosion control in all industries. For more information, visit the NACE Store at www.nace.org/store.

LORESCO®

QUALITY-NEVER COMPROMISE
when it comes to the life of your grounded system.

● **LORESCO, Inc.**

421 JM Tatum Industrial Park Dr., Hattiesburg, MS 39401, USA. Tel: +1 601-544-7490. Fax: +1 601-544-7531. Web site: www.loresco.com. Email: info@loresco.com. LORESCO® International is a company of professional engineers and corrosion specialists. We specialize in the development and manufacture of conductive carbon backfills specifically designed for applications in the cathodic protection and electrical grounding fields. A recognized world leader in research and development of electronically conductive carbons for these applications, LORESCO International has served the industry for 50 years. LORESCO International began under the name C.E. (Cathodic Engineering) Equipment Co. in 1950. With increasing worldwide recognition of the LORESCO product name, the company name was transformed to LORESCO International.

See p. 11 for our ad.

● **Master Bond, Inc.**

Web site: www.masterbond.com.

● **MATCOR, Inc.**

Web site: www.matcor.com.



Materials Performance

15835 Park Ten Pl., Houston, TX 77084, USA. Tel: +1 281-228-6200. Fax: +1 281-228-6300. Web site: www.materialsperformance.com. Email: firstservice@nace.org. Published monthly by NACE International, *Materials Performance* (MP) is the world's largest circulation magazine dedicated exclusively to corrosion prevention and control. MP presents articles offering solutions to common corrosion control problems in the marine, underground, atmospheric, and industrial environments.

● **Maverick Testing Laboratories, Inc.**

Web site: www.mavericktestinglabs.com.

● **MAXIMATOR, GmbH**

Web site: www.maximator.de.

● **McCrorry Engineering**

Web site: www.mccrorryeng.com.

● **McDonald Service Enterprises, LLC**

Web site: www.cbrossgroup.com.

● **McInnes Cooper**

Web site: www.mcinnescooper.com.

● **McLean's CP Installation, Inc.**

Web site: www.mcleans@amaonline.com.

● **M.C. Miller**

Web site: www.mcmiller.com.

● **Mears Group, Inc.**

Web site: www.mearscorrosion.com.

● **LP Hoying, LLC**

Web site: www.lphoying.com.

● **Mach3 Engineering Sdn. Bhd.**

Web site: www.mach3engineering.com.

● **Magna International Pte., Ltd.**

Web site: www.magnachem.com.sg.

● **Magneco/Metrel**

Web site: www.magneco-metrel.com.

● **MAGNETO Special Anodes BV**

Web site: www.magneto.nl/en.

● **Magnum Energy Services, Ltd.**

Web site: www.magnumenergyservices.com.

● **Maintenance & Inspection Services, Inc.**

Web site: www.misnc.com.

● **M & D Coatings, Inc.**

Web site: www.mdcoatings.com.

● **Manus Abrasive Systems, Inc./Mod-U-Blast Manufacturing**

Web site: www.manusabrasive.com.

● **Marathon Industrial Finishing, LLC**

Web site: www.mifinishing.com.

● **Marco**

Web site: www.marco.us.

● **Marine Hydraulics International**

Web site: www.mhi-shiprepair.com.

● **Marine Metal Coatings, Inc.**

Web site: www.mmc.com.pa.

● **MarTech Systems, Inc.**

Web site: www.martechsystems.com.

● **Mascoat**

Web site: www.mascoat.com.

PROACTIVE PROTECTION

Corrosion can happen anytime, anywhere.
*Is your equipment **protected**?*

With more than 60 years of industry knowledge and experience, our highly-trained corrosion experts provide comprehensive construction, engineering and maintenance solutions designed to minimize risks and maximize the productivity and life of your equipment.



To learn more, contact us at (904) 221-7521
or visit www.jrgollc.com.





● **MESA**

PO Box 52608, Tulsa, OK 74152, USA. Tel: 1 888-800-6372 or +1 918-627-3188. Fax: +1 918-627-2676. Web site: www.mesaproducts.com. Email: sales@mesaproducts.com. Have you assessed the risk of your pipelines for AC interference? With our very cost-effective Threat Assessment Program (TAP), we've got you covered. TAP helps you: • determine risk zones between pipelines and power lines, • identify potential impact of influencing factors for AC interference, • provide analysis with ranked priority to assist P/L owners with action steps. We are the industry-leading provider of full-service corrosion control solutions with nationwide service and offices coast-to-coast including Edmonton, Alberta, Canada.

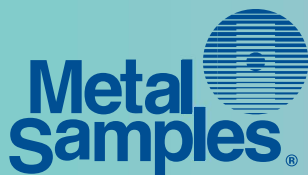
See p. 27 for our ad.

Metalast, Inc.

Web site: www.metalastinc.com.

Metallurgical Technologies, Inc.

Web site: www.met-tech.com.



● **Metal Samples**

152 Metal Samples Rd., Munford, AL 36268, USA. Web site: www.metalsamples.com. Metal Samples offers a full range of corrosion monitoring systems, including access fittings for high-pressure/temperature systems to insert and retrieve probes, chemical injection systems, quills, and nozzles. Probes include ER, LPR, erosion, hydrogen, biological, and custom. Corrosion instruments include portable meters, transmitters, and data loggers. Other products include corrosion test coupons, holders, insertion systems, and test racks. Laser cladding and manufacturing services are also available.

See p. 23 for our ad.

● **Metals Preservation Group**

Web site: www.metalspg.com.

Metaspec, LLC

Web site: www.manta.com.

MetriCorr ApS

Web site: www.metricorr.com.

MGI North American Services

Web site: www.mginas.com.

Microbial Insights, Inc.

Web site: www.microbe.com.

Midalloy

Web site: www.midalloy.com.

Midwest Easement Services

Web site: midwesteasement.com.

● **Midwestern Pipe Line Products Co.**

Web site: www.midwesternpipeline.com.

● **MISTRAS Group, Inc.**

Web site: www.mistrasgroup.com.

● **Mobiltex Technologies, Inc.**

Web site: www.corTalk.com.

● **MOL Group**

Web site: www.mol.hu.

MONTI Tools, Inc.

Web site: www.monti-tools.com.

● **MONTI Werkzeuge, GmbH**

Web site: www.monti.de.



Montipower, Inc.

7677 Coppermine Dr., Manassas, VA 20109, USA. Tel: 1 877-629-8777. Fax: +1 703-396-8666. Web site: www.mbxit.com. Email: info@mbxit.com. Montipower, Inc. is the authorized North American importer and master distributor for the MBX Bristle Blaster—the only power hand tool that will remove corrosion, mill scale, and coatings while creating a 2.7 to 3.3-mil surface profile and a near-white/white metal appearance. Montipower maintains a complete inventory of pneumatic and electric tools, consumables, and spare parts, shipping daily through the United States and Canada. Customer service, including on-site training, repairs, and technical/sales support is only a call or an email away. We are pleased to discuss your particular application and will recommend the proper product or solve any performance issue.

See p. 16 for our ad.

● **Mott MacDonald**

Web site: www.mottmac.com.

● **M. Pallonji & Co. Pvt., Ltd.**

Web site: mpallonjigroup.com/frameset_n.htm.

● **MPR Services**

Web site: www.mprservices.com.

Mustang Engineering

Web site: www.mustangeng.com.



NACE International

15835 Park Ten Pl., Houston, TX 77084, USA. Tel: +1 281-228-6200. Fax: +1 281-228-6300. Web site: www.nace.org. Email: firstservice@nace.org. Since 1943, NACE has been dedicated to a single mission to protect people, assets, and the environment from corrosion. From just 11 pipeline engineers, the association has grown to more than 37,000 members in 140 countries. Built upon decades of knowledge and expertise from dedicated members all over the world, NACE is involved in every industry and area of corrosion prevention and control, from pipelines, tanks, chemical processing, and water systems to transportation and infrastructure protection. NACE serves its members by setting standards for the corrosion industry; disseminating the latest technology worldwide through magazines, peer-reviewed journals, and technical papers; hosting and managing international conferences; and providing world-renowned education and training.

● **Nantong Fuchen Tank Co., Ltd.**

Web site: www.fuchems.com.

Nanto Protective Coating

Web site: www.nantopaint.com.

National Environmental Corrosion Platform

Web site: www.ecorr.org.

● **NAYA for Engineering Services & Training**

Web site: www.naya-est.com.

NDT Global, LLC

Web site: www.ndt-global.com.

NDT Seals, Inc.

Web site: www.ndtseals.com.

NEOTISS

Web site: neotiss.com.

NGK Metals Corp.

Web site: www.ngkmetals.com.

● **NG Resources**

Web site: www.ng-resources.com.

Nippon Steel & Sumitomo Metal U.S.A., Inc.

Web site: www.nssmc.com.

● **Nisku Industrial Coatings, Ltd.**

Web site: www.niskucoatings.com.

North American Composites

Web site: www.nacomposites.com.

North American Survey Corp.

Web site: www.nascorp.biz.

North East Corrosion Engineers, Ltd.

Web site: www.neceltd.com.

● **Northern Inspection Services, LLC**

Web site: www.nismidwest.com.

● **Norton Corrosion, Ltd.**

Web site: www.nortoncorrosion.com.

NACE CENTRAL AREA CONFERENCE

August 6 - 8, 2018 | Omaha, Nebraska
Embassy Suites Omaha - La Vista/Hotel &
Conference Center

Discover solutions to corrosion issues and challenges facing your area from local industry leaders.

Billions of dollars are spent each year on corrosion mitigation and repair on oil and gas facilities, pipelines, and other infrastructure assets. To address this issue, NACE International and the NACE Omaha Section invites you to attend the 2018 Central Area Conference. This event features unique educational presentations, the latest advancements in corrosion products on the exhibit hall floor, and opportunities to network with your industry peers.

Technical Program

The Central Area Conference will have two tracks:
CP & Coatings and Fundamentals & Misc.,
that will cover multiple topics:

- Testing and Mitigation of Installed Casings
- Coating Failure
- Enhanced Corrosion Management
- Wax Coating Systems for Metal Pipe & Fittings
- Challenges of Identifying and Mitigating Interference
- Corrosion Rate Monitoring in Pipeline Casings
- Failure Analysis of Corrosion Artifacts for Litigation
- Communication Styles
- Integrity Management
- Overview of Microbiological Influenced Corrosion
- Cyber Security
- Active Shooter

Networking Opportunities

Monday, August 6, 2018

5 – 6 p.m. Exhibit Hall Happy Hour:
6:30 – 10 p.m. Baseball with the Omaha
Storm Chasers

**Transportation will be provided starting at 6 p.m.*

Tuesday, August 7, 2018

5:30 – 7:30 p.m. Exhibitor Reception

NOV Fiber Glass Systems

Web site: www.nov.com.

● NRI

Web site: www.neptuneresearch.com.

NTPC, Ltd.

Web site: www.ntpc.co.in.

Nukote Coating Systems International

Web site: www.nukoteglobal.com.

● Nuricon Petroservices Pte.

Web site: www.nuricon.com.

O'Brien Corp.

Web site: www.obcorp.com.

● Oceaneering International, Inc.

Web site: www.oceaneering.com.

● Ocean Rubber Factory, LLC

Web site: www.oceanrubber.com.

● Ohlsen Right of Way & Maintenance, Inc.

Web site: www.ohlsenbackhoeexcavating.com.

● OMNI Metals Laboratory, Inc.

Web site: www.OMNImetalslab.com.

● Osmose Utilities Services, Inc.

Web site: www.osmose.com.

● Osnar Paints & Contracts Pvt., Ltd.

Web site: www.osnar.com.

Pancardo Ingenieria, S.A. de C.V.

Web site: www.procat.com.mx.

● Park Derochie, Inc.

Web site: www.parkderochie.com.

● Parsons

Web site: www.parsons.com.

GARDCO PAUL N. GARDNER COMPANY, INCORPORATED

Paul N. Gardner Co., Inc.

316 N.E. First St., Pompano Beach, FL 33060, USA. Tel: 1 800-762-2478 or +1 954-946-9454. Fax: +1 954-946-9309. Web site: www.gardco.com. Email: gardner@gardco.com. (GARDCO) Paul N. Gardner Co., Inc. is a distributor, producer, and designer of quality physical testing and inspection instruments for the paint, coatings, and related industries. These include the automotive, aerospace, specialty chemical, petroleum, plastics, pharmaceutical, food, and corrosion, among others. Visit our web site at www.gardco.com, which includes full descriptions, instructions, specification references, instructional videos, and prices.

See p. 28 for our ad.

Picon FRP, Inc.

Web site: www.piconfrp.com.

Pigs Unlimited International, Inc.

Web site: www.pigsunlimited.com.

Pioneer Natural Resources USA, Inc.

Web site: www.pxd.com.

● Pipeline Controls & Services

Web site: www.piecs.com.

● Pipeline Inspection Co.

Web site: www.picltd.com.

Pipeline Services, LLC

Web site: www.pls.ae.

● Pipeline Systems & Technology

Web site: www.pipe-st.com.

● Pipetech Corp., Ltd.

Web site: www.pipetechcorp.com.

Pipe Valve & Fitting

Web site: www.pvfco.com.

Pittsburg Tank & Tower Co., Inc.

Web site: www.watertank.com.

Plains Fabrication and Supply

Web site: www.plainsfabrication.com.

● PMAC Group

Web site: www.pmacsystems.com.

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800 Presque Isle Dr., Pittsburgh, PA 15239, USA. Web site: www.foamglas.com. FOAMGLAS® cellular glass insulation has proven its performance, value, and versatility for over 70 years in a variety of applications. Whether you're concerned with hot or cold applications, we have solutions for operating temperatures ranging from -450 to 900 °F (-268 to 482 °C). Any insulation can provide short-term results. But FOAMGLAS® Insulation will address your insulation needs for the long term. Tested at the temperatures and under the toughest conditions that any industry could inflict, the noncombustible properties of FOAMGLAS® Insulation are unmatched. FOAMGLAS® Insulation is engineered to resist corrosion in any environment. Even under a variety of temperature and humidity conditions, FOAMGLAS® Insulation retains its dimensionally stable properties. Proven over decades of in-the-field performance, FOAMGLAS® Insulation is known for its high compressive strength.

See p. 9 for our ad.

Oxbow Calcining International, LLC

Web site: www.oxbow.com.

P.A., Inc.

Web site: www.painc.com.

Pan American Industries, Inc.

Web site: www.irisxr.com.

PCA Engineering, Inc.

Web site: www.pcaengineering.com.

● PCC Metals Group

Web site: www.pccenergy.com.

● PDI Solutions, LLC

Web site: www.pdi-s.com.

Pennsylvania Machine Works, Inc.

Web site: www.pennusa.com.

● Penspen Corp.

Web site: www.penspen.com.

Perfect Facilities, Ltd.

Web site: www.perfectfacilities.com.

● Performance Blasting & Coating, LP

Web site: www.performanceblasting.com.

Performance Wire & Cable, Inc.

Web site: www.performancewire.com.

Perma-Pipe Middle East (FZC)

Web site: www.permapipe.com.

Petronas Research & Scientific

Web site: www.petronas.com.my.

Petrustech Oil and Gas

Web site: www.petrustech.com.

● Phoenix Fabricators and Erectors, LLC

Web site: www.phoenixtank.com.

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See inside front cover for our ad.

● PPG Industries, Inc.

Web site: www.ppg.com.

● PPG Performance Coatings (Hong Kong), Ltd.

Web site: www.ppg.com.



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One PPG Pl., Pittsburgh, PA 15272, USA. Tel: 1 888-9PPGPMC. Web site: www.ppgpmc.com. Email: PMCMarketing@ppg.com. With decades of experience and a commitment to innovation, our protective and marine coatings business has developed a complete range of proven coating solutions to protect assets in the world's most challenging conditions.

See p. 17 for our ad.

Precision Iceblast Corp.

Web site: www.iceblast.us.

Prezioso Technilor SAS

Web site: www.prezioso.fr.

● **PRI**

Web site: www.pricmt.com.

Pro-Mark Utility Supply, Inc.

Web site: www.promarksupply.com.

● **Pro Painting Products**

Web site: www.propaintingproducts.com.

● **Prospectum Coatings BVBA**

Web site: www.prospectum.be.

Protection Engineering

Web site: www.corrosioncoatings.com.

Protective Liner Systems, Inc.

Web site: www.protectivelinersystems.com.



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5467 Ayon Ave., Irwindale, CA 91706, USA. Tel: +1 626-969-6711. Web sites: www.prvmetals.com, www.sierraalloys.com, and tsititanium.com. Email: ebrennan@sierraalloys.com. PRV Metals offers a variety of titanium and nickel alloy products including round bar, rectangular bar, large forged bars and block, and narrow plate. Having experience in manufacturing virtually every grade of titanium, PRV also offers a variety of conversion services. We have the advantage of being able to offer customers a comprehensive line of products and services that are delivered efficiently and cost-effectively. Two quality-driven companies come together to serve you better.

See p. 59 for our ad.

● **PT. Altikamurni Internusa**

Web site: www.altika.co.id.

PT. Gamma Buana Persada

Web site: www.gammabuana.co.id.

● **PT. Korosi Specindo**

Web site: www.korosispecindo.com.

● **PTT Global Chemical Public Co., Ltd.**

Web site: www.pttggroup.com.

PTT Public Co., Ltd.

Web site: www.pttplc.com.

Public Works Marketing, Inc.

Web site: www.publicworksmarketing.com.

Puckorius & Associates, Inc.

Web site: www.puckorius.com.

Puget Sound Coatings

Web site: www.pugetsoundcoatings.com.

● **Pugh & Co. International**

Web site: www.pugh.be.

● **PureHM**

Web site: www.pureHM.net.

Q-Lab Corp.

Web site: www.q-lab.com.

● **Quality Control Services, LLC**

Web site: www.qcsinspections.com.

● **Quality Product Finishing, Inc.**

Web site: www.qpfinishing.com.

● **Quarter Turn Resources**

Web site: quarterturnresources.com.

Quikspray, Inc.

Web site: www.quikspray.com.

R2J Chemical Services, Inc.

Web site: www.r2j.com.

RAE Engineering and Inspection, Ltd.

Web site: www.raeengineering.ca.

R.A. Hoffmann Engineering, P.C. dba Hoffmann & Feige

Web site: www.hoffmann-feige.com.

● **RAM-100 International, LLC**

Web site: www.ram100intl.com.

● **RAMA Fabrication, Inc.**

Web site: www.ramafab.com.

● **RAM Services, LLC**

Web site: www.ramservicesllc.com.

● **R & R Corrosion, Ltd.**

Web site: www.rrcorrosion.com.

● **Raven Lining Systems**

Web site: www.ravenlining.com.

● **Rayong Engineering and Plant Services Co., Ltd.**

Web site: www.scg.co.th.

REC Silicon

Web site: www.recgroup.com.

● **Redi-Strip Metal Cleaning Canada, Ltd.**

Web site: www.redi-strip.com.

● **Redwood Painting Co., Inc.**

Web site: www.redwoodptg.com.

● **Remington & Vernick Engineers**

Web site: www.rve.com.

● **REO-USA, Inc.**

Web site: www.reo-usa.com.

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866-788-7080
www.TSITitanium.com

● **Research Institute of Lanzhou PetroChemical Co.**
Web site: www.Petrochina.com.cn.

● **Resolite FRP Companies**
Web site: www.resolite.com.

RFI Consultants, LLC
Web site: www.rficonsultants.net.

● **Rhino Linings Corp.**
Web site: www.rhinolinings.com.

Riccardelli Consulting Services
Web site: www.rcsnde.com.

● **Riddle's Dehi & Chemical Services Co., Inc., dba E & P Services Group**
Web site: epservicesgroup.com.

Rigaku
Web site: www.rigaku.com.

Rivertop Renewables
Web site: www.rivertop.com.

RJ Lee Group
Web site: www.rjlg.com.

● **RK&K**
Web site: www.rkk.com/our-expertise/utilities/corrosion-engineering.

● **RM Leopad Sdn. Bhd.**
Web site: www.leopad.com.



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See p. 61 for our ad.

Roc-Master Piping Solutions, Ltd.
Web site: www.roc-master.com.

● **ROSEN**
Web site: www.rosen-group.com.

● **Rovanco Piping System, Inc.**
Web site: www.rovanco.com.



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8375 Zeigler Blvd., Mobile, AL 36609, USA. Tel: 1 855-802-6303. Web site: RPSComposites.com. Email: Advisor@RPSComposites.com. RPS Composites partners with companies faced with corrosive fluid handling challenges that threaten the safety, reliability, and profitability of their operations. We collaborate to deliver improved performance through the intelligent design and application of corrosion-resistant composites, providing long-term, cost-effective solutions. With 10 manufacturing and service facilities embedded in dense industrial regions and prominent shipping hubs, we optimize response time and delivery schedules. For an initial consultation call toll free 1 855-802-6303 or visit us at rpscomposites.com.

See p. 22 for our ad.

Rustibus, Inc.
Web site: www.rustibus.com.

Rysco Corrosion Services, Inc.
Web site: www.ryscocorrosion.com.

● **Sacor Siderotecnica SA**
Web site: www.sacor.com.br.

SAE, Inc.
Web site: www.saeinc.com.

Safetrack AB
Web site: www.pin-brazing.com.

Saint-Gobain Ceramics
Web site: www.hexoloy.com.

● **Saipem SpA**
Web site: www.saipem.eni.it.

● **S & S Plating Co.**
Web site: www.ssplating.com.

● **Sandvik AB**
Web site: www.sandvik.com.

Saudi Aramco
Web site: www.aramco.jobs.



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160 Gamma Dr., Pittsburgh, PA 15238, USA. Tel: +1 412-963-0303. Fax: +1 412-963-7620. Web site: www.sauereisen.com. Email: info@sauereisen.com. Sauereisen, Inc. is a third-generation company that has grown into one of the best-known corrosion-resistant material manufacturers in the world. Our product portfolio includes a complete line of organic and inorganic corrosion-resistant materials of construction for new and rehabilitation applications. Sauereisen maintains a global presence with a network of technical sales representatives throughout the world. Our manufacturing and warehouse facilities located in the United States, Europe, the Pacific Rim, and Latin America provide worldwide product distribution. Sauereisen remains dedicated to solving the problems requiring specialty materials. Our expertise is the restoration of infrastructure and the prevention of corrosion.

See p. 20 for our ad.

● **SCCC/ATS Corrosion Technology**
Web site: blog.sccc.edu.

Schmidt + Clemens Group
Web site: www.schmidt-clemens.com.

SciAps, Inc.
Web site: www.sciaps.com.

Seaguard International—Canada Metal
Web site: seaguardinternational.com.



● **Seal for Life Industries BVBA (Berry Plastics/Stopaq)**
PO Box 285, 9500 AG, Stadskanaal, The Netherlands. Tel: +31 (0) 599 696170. Web site: www.sealforlife.com. Email: info@sealforlife.com. Seal For Life Industries, part of Berry Global, produces a variety of corrosion prevention and control technologies that include the categories of cathodic protection, self-healing corrosion prevention and sealing, tape-based protection, heat shrinkable technology, and liquid sealing. Seal For Life Industries is a significant player and partner across numerous market sectors and industries. This enables us to tackle an endless variety of fascinating and complex challenges in the field of corrosion prevention, waterproofing, and insulation.

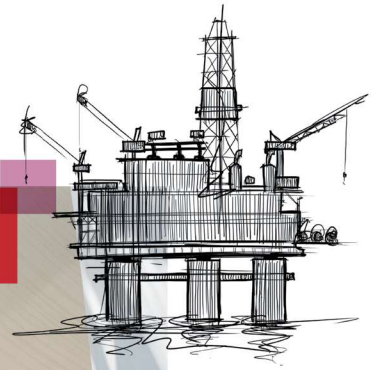
See p. 19 for our ad.

● **Sears Ecological Applications Co., LLC**
Web site: www.seaco.com.

Sea Shield Marine Products, Inc.
Web site: www.seashieldmarine.com.

SEMicro Division
Web site: www.semico.org.

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176-500 Technology Dr., Boalsburg, PA 16827, USA. Tel: +1 814-466-7207. Web Site: www.sensornetworksinc.com. Sensor Networks, Inc. is a structural health technology company focused on utilizing various ultrasonic and RVI sensor systems to monitor asset integrity in critical energy-sector components. We develop innovations that integrate the definitions of cost-effective, precision, and ease-of-use to address unique industrial challenges that include remote non-intrusive corrosion monitoring in upstream, midstream, downstream, chemical, etc. Our solutions also expand to UT applications engineering, standard and highly customized phased array transducers, and remote visual tooling for demanding in-site testing in aerospace, power generation, and DOE segments.

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Service Painting of Florida, Inc.

Web site: servicepainting.net.

SET Laboratories, Inc.

Web site: www.setlab.com.

● **SGS**

Web site: www.sgs.com.

Shafer Kline & Warren, Inc.

Web site: www.skw-inc.com.

● **Shandong Hongsheng Petrochemical Equipment Co., Ltd.**

Web site: www.sdhspc.cn.

● **Shanghai Your-Partner Trading and Service Center**

Web site: www.your-partner.cn.

● **Shawcor**

Web site: www.canusacps.com.

Sheppard T. Powell Associates, LLC (STPA)

Web site: www.stpa.com.

● **Sherwin-Williams Co.**

Web site: www.sherwin-williams.com.

● **Shipbuilding Technology Research Institute**

Web site: stri.cssc.net.cn.

Sierra Alloys Co., Inc.

Web site: www.sierraalloys.com.

Sika Corp.—Flooring

Web site: www.SikaFloorUSA.com.

● **Silvion, Ltd.**

Web site: www.silvion.co.uk.

Simpson Strong-Tie

Web site: www.strongtie.com/rps.

Sinopec Petroleum Engineering Corp.

Web site: www.sinopecgroup.com/group/en/products.

Smarter Shows/Ceramics Expo

Web site: www.smartershows.com/www.ceramicsexpousa.com.

Smart Technologies Development Co.

Web site: www.fathom-solutions.co.

Society of Petroleum Engineers

Web site: www.spe.org.

● **Solvay S.A.**

Web site: www.solvay.com.

Southern Pipeline Services, LLC.

Web site: www.southernpipelineservices.com.

● **Southland Painting Corp.**

Web site: www.southlandpainting.com.

● **Southwestern Paint Panels**

Web site: www.swpaintpanels.com.

● **Specialist Castings, Ltd.**

Web site: www.specialistcastings.com.

Specialty Maintenance Products, Inc.

Web site: www.smptools.com.

● **Specialty Polymer Coatings, Inc. (SPC)**

Web site: www.spc-net.com.

Spectrum NDT

Web site: www.spectrumndt.com.

● **Sponge-Jet, Inc.**

Web site: www.spongejet.com.

Sprayroq, Inc.

Web site: sprayroq.com.

● **Stantec**

Web site: www.stantec.com.

StarChem

Web site: www.starchemglobal.com.

Stauff Corp.

Web site: www.stauff.com.

Steel Tank Institute

Web site: www.steel-tank.com.

● **Stellar Solutions, Inc.**

Web site: www.citrisurf.com.

STEULER-KCH, GmbH

Web site: www.steuler-kch.com.

Stone Tucker Instruments, Inc.

Web site: www.stone-tucker.com.

Stopaq Canada, Ltd.

Web site: www.stopaqcanada.com.

● **Storengy**

Web site: www.storengy.com.

Stork Technical Services

Web site: www.stork.com.

Strategic Chemistry

Web site: www.strategic-chemistry.com.

● **Strategic Materials**

Web site: www.strategicmaterials.com.

Strathmore Products, Inc.

Web site: www.strathmoreproducts.com.

Structural Integrity Assoc., Inc.

Web site: www.structint.com.

Stuart Steel Protection Corp.

Web site: www.stuartsteel.com.

● **Stupp Coatings, LLC**

Web site: www.stuppcoatings.com.

Sturgeon Services Int'l.

Web site: sturgeonandson.com.

● **Subsea 7**

Web site: www.subsea7.com.

● **Sulzer Mixpac USA, Inc.**

Web site: www.sulzer.com/mixcoat.

● **Superior Products International (SPI)**

Web site: www.spicoatings.com.

Supreme Steel, Ltd.

Web site: www.supremegroup.com.

Sureclean, Ltd.

Web site: www.sureclean.com.

Surface Science Western

Web site: www.surface-science-western.com.

● **Sur Química SA**

Web site: www.gruposur.com.

Tamimi Co. Commercial Division

Web site: www.tamimi-commercial.com.

● **Tank Industry Consultants, Inc.**

Web site: www.tankindustry.com.

Tata Steel—Speciality Steel

Web site: www.tatasteel.com.

● **TBS Group, Ltd.**

Web site: www.tbsgroup.co.nz.

TDI Power

Web site: www.tdipower.com.

Team Industrial Services

Web site: www.teamindustrialservices.com.

● **Tebodin and Partners, LLC**

Web site: www.tebodin.com.

TECHART

Web site: www.techart.com.

● **Technical Toolboxes**

Web site: www.technicaltoolboxes.com.

Techni-Kote, Inc.

Web site: www.techni-kote.com.

● **Technip**

Web site: www.technip.com.

● **Tecnimont**

Web site: www.mairetecnimont.it.

Telematic Controls, Inc.

Web site: www.telematic.com.

Temp Coat Brand Products, LLC

Web site: www.tempcoat.com.

Termarust Technologies

Web site: www.termarust.com.

● **Tetra Tech, Inc.**

Web site: www.wardrop.com.

● **T.F. Warren Group**

Web site: www.tfwarren.com.

● **TGWT Clean Technologies, Inc.**

Web site: www.tgwt.com.

Thermo (Fisher) Scientific Portable XRF Analyzers

Web site: www.thermofisher.com.

thermOweld (Continental Industries)

Web site: www.thermoweld.com.

Thin Film Technology, Inc.

Web site: www.thinfilmtech.net.

Thorpe Specialty Services Corp.

Web site: www.thorpeplantmaintenanceandengineering.com.

ThyssenKrupp Elevator

Web site: www.thyssenkrupp.com.

● **Tianjin Port Engineering Institute, Ltd. of CCCC First Harbor Engineering Co., Ltd.**

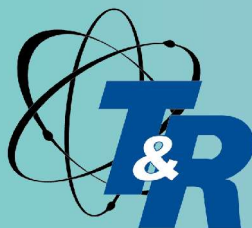
Web site: www.tpei.com.cn.

Tidal Corrosion Services

Web site: www.tidalcorrosion.com.

TIGER Drylac Powder Coatings

Web site: www.tiger-coatings.us.



● **Tinker & Rasor**

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● **Tinnea & Associates, LLC**

Web site: www.tinnea.net.

TITAN Metal Fabricators, Inc.

Web site: www.titanmf.com.

TMK IPSCO

Web site: www.tmk-group.com.

Tnemec Co., Inc.

Web site: www.tnemec.com.

Tonengeneral

Web site: www.tonengeneral.com.jp.

● **Tong Kee Engineering, Ltd.**

Web site: www.tongkee.com.hk.

● **Topline, Ltd.**

Web site: toplinelimited.com.

● **TOSL Engineering, Ltd.**

Web site: www.tosl.com.

● **Tower Maintenance Corp.**

Email: info@towermaint.com.

Trenton Corp.

Web site: www.trentoncorp.com.

T-Rex Services

Web site: www.trexservices.com.

Tricor Metals

Web site: www.tricormetals.com.

Tri-Krete Coatings, Inc.

Web site: tri-kretecoatings.com.

● **Tri-Star Industries Pte., Ltd.**

Web site: www.tristar.com.sg.

Troy Construction, LLC.

Web site: www.troyconstruction.com.

● **Troy Dualam, Inc.**

Web site: www.troydualam.com.

● **Tubacex Group**

Web site: www.tubacex.com.

Tuff-N-Nuff

Web site: www.tuff-n-nuff.com.

● **Turner Industries Group, LLC**

Web site: www.turner-industries.com.

ULC Robotics

Web site: www.ulcrobotics.com.

● **Unifab Industries, Ltd.**

Web site: www.unifab.ca.

United Water Consultants

Web site: www.unitedwaterconsultants.com.

Universal Rectifiers, Inc.

Web site: www.universalrectifiers.com.

● **University of Akron/NCERCAMP**

Web site: www.uakron.edu.

● **UOP, Inc.**

Web site: www.uop.com.

URS Energy & Construction

Web site: www.urs.com.

● **U.S. Minerals**

Web site: www.usminerals.com.

U.S. Tank Protectors, Inc.

Web site: www.ustankprotectors.com.

Utility Technologies International Corp.

Web site: www.uti-corp.com.

Valbruna Stainless, Inc.

Web site: www.valbruna-stainless-steel.com.

● **Vallourec**

Web site: www.vallourec.com.

Valspar Corp.

Web site: www.valspar.com.



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Toyaji Takeuchi/2017-2020
Sumitomo Heavy Industries Marine
Engineering Co., Ltd.
Yokosuka, Japan

Bernardo Duran/2018-2021
AZZ Metal Coatings
Fort Worth, TX, USA

Amir Eliezer/2018-2021
TRYMER, Ltd.
Beer-Sheva, Israel

Ryan Tinnea/2018-2021
Tinnea & Associates
Seattle, WA, USA

EX OFFICIO DIRECTORS

Keith Perkins
President, NACE International Foundation

Chris Fowler, FNACE
President, NACE International Institute

*Executive Committee members

● **V&A Consulting Engineers, Inc.**
Web site: www.vaengineering.com.

● **VDM Metals, GmbH**
Web site: www.thyssenkrupp.com.

Vector Corrosion Technologies
Web site: www.vector-corrosion.com.

Vector Technologies, Ltd.
Web site: www.vector-vacuums.com.

Victory Plastic, Inc.
Web site: www.victoryplastic.com.

Victrex, plc
Web site: www.victrex.com.

● **Ville Platte Iron Works, Inc.**
Web site: www.vpiw.com.

V.I.P. Verniciatura Industriale Pesarese, S.r.l.
Web site: www.vippesaro.com.

● **Vision One Sdn. Bhd.**
Web site: www.visionone.com.my.

● **voestalpine AG (BOHLER Edelstahl, GmbH & Co. KG)**
Web site: www.boehler-edelstahl.at.

VTB Leerdam
Web site: www.vtb-leerdam.nl.

Vulcan Painters, Inc.
Web site: www.vulcan-group.com.

W Abrasives—A Brand of Winoa
Web site: www.wabrasives.com.

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Ward Tank & Heat Exchanger Corp.
Web site: www.wardtank.com.

Warehouse Rentals and Supplies, The
Web site: www.twrs.com.

Warren Environmental, Inc.
Web site: www.warrenenviro.com.

Wasser Corp.
Web site: www.wassercoatings.com.

Water Conservation Tech Intl.
Web site: www.water-cti.com.

Water Technology Consultants, Inc.
Web site: watertechnology.com.

Watkins Metal Fabrication, Inc.
Web site: www.wmfonline.biz.

● **WaveTrue, Inc.**
Web site: www.wavetrue.com.

● **WBI Energy Corrosion Services**
Web site: www.wbienergy.com.

Western Instruments, Inc.
Web site: www.westerninstruments.com.

● **Western Solutions 2000, Ltd.**
Web site: www.westernsolutions2000.com.

Western Specialties—ComposiSleeve
Web site: westernspecialtiesllc.com.

Whitford Corp.
Web site: www.whitefordww.com.

Wilko Paint, Inc.
Web site: www.wilkopaintinc.com.

● **Wilson Walton Indonesia**
Web site: www.corrpro.co.id.

Winn & Coales (Denso), Ltd.
Web site: www.denso.net.

Winnipeg Based Testlabs International, Ltd.
Web site: www.testlabs.ca.

Wood Group Kenny
Web site: www.wgim.com.

Xodus Group
Web site: www.xodusgroup.com.

XO Science, LLC
Web site: www.xoscience.com.

Zerust Corrosion Solutions (Northern Tech. Intl. Corp.)
Web site: www.zerust.com.

Zunt Italiana, S.r.l.
Web site: www.zunt.com.



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The NACE Foundation relies on the generosity of donors like you to continue funding our programs that reach...

One Student at a Time

Awarding scholarships to promote higher education, while engaging students in exploration of research and career opportunities in corrosion science and engineering

One Teacher at a Time

Providing hands-on corrosion experiments and curriculum for teachers to inspire, educate, and excite their students

One Veteran at a Time

Training returning service members in NACE certification courses with the ultimate goal of a rewarding career in the corrosion industry

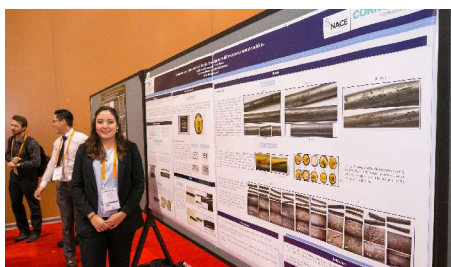
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Silver Leaf	\$1,000	
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Acorn	\$5,000	
Large Stone	\$10,000	

CORROSION 2018 Continues the Momentum Initiated 73 Years Ago



As NACE International wrapped up its 73rd annual conference, more than 5,600 attendees from nearly 70 countries had come together at the Phoenix Convention Center and other area venues for CORROSION 2018. These corrosion professionals from around the globe once again continued the momentum initiated by the 11 founding members in 1943. For five days, the city was home to the largest meeting of corrosion professionals, vendors, and educators that focuses on preventing and mitigating worldwide corrosion.

This year marks NACE International's 75th Anniversary. In celebration of this milestone, CORROSION 2018 commemorated the association's achievements as well as the pathways it has forged toward the future of corrosion control. The technical strides made by corrosion professionals over the past 75 years were apparent during hundreds of events—technical symposia, committee meetings, seminars and lectures, training opportunities, and social

gatherings—that offered a multitude of cutting-edge technical and educational resources, public awareness activities, and networking opportunities the corrosion industry has come to expect.

Various areas of corrosion control and mitigation were covered by symposia, technical meetings, forums, and student poster sessions: oil and gas corrosion inhibitors, coatings, practical field application of cathodic protection, pipeline integrity, materials, testing and instrumentation, maritime corrosion, water and wastewater corrosion, corrosion in nuclear systems, and more.

The conference's technical program featured 488 technical papers presented in 39 technical symposia—one of the largest offerings of symposia since 2000. This year, 12 forums highlighted a wide array of topics that included coating asset management; an overview of coatings and related technology systems used or developed by the U.S. Navy for corrosion control; fighting the corrosion war in the Middle East and Africa; corrosion

challenges in Latin America; a discussion with the Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA) on corrosion and pipeline safety; best practices and lessons learned in the water and wastewater industries; and an update on the work done regarding NACE MR0175/ISO 15156.

More than 200 technical and administrative meetings were held throughout the week as NACE members worked on standards and reports, exchanged technical information, and managed association business. Attendees also had the opportunity to visit the largest corrosion exhibition in the world. Many spent time networking with colleagues through a series of social events, including the Opening Reception, the Expo Grand Opening and Composites Pavilion Reception in the Exhibit Hall, the Scholarship Ceremony and GenNEXT Bash, and the Wednesday night Awards Dinner.

It was a busy week and successful by every measure. **MP**

Sunday, April 15, 2018

CORROSION 2018 Opens with Traditional NACE Foundation Events

The NACE Foundation's annual NACE Race and Darrel D. Byerley Memorial Golf Tournament provided attendees with the opportunity to participate in Sunday morning CORROSION traditions that date back several decades.



More than 40 runners gathered at historic Steele Indian School Park for the 23rd Annual NACE Race.



NACE Race winners in the Men's Division were Marco De Marco, 1st Place; John Pugh, 2nd Place; and Jeff Fontaine 3rd Place. NACE Race winners in the Women's Division were Heather Groll, 1st Place; Abigail Helbling, 2nd Place; and Stephanie Biagiotti, 3rd Place.



About 100 golfers enjoyed a beautiful day on the golf course at TPC Scottsdale to kick off CORROSION 2018 and raise funds for the NACE Foundation, which supports scholarships, training, and workforce development in the field of corrosion mitigation.

NACECares Volunteers Lend a Hand to Phoenix Parks and Recreation



NACE International's second annual NACECares Volunteer Day took place on Sunday from 8 a.m. to noon. Over 50 volunteers joined the City of Phoenix Parks and Recreation to help revamp Alkire Park and the Roland Hemond baseball field by painting a portion of a pavilion for the pool, planting trees, fixing up the baseball field, and picking up trash and debris. The goals of the event were to give back to the conference host city and offer a venue for like-minded members to be involved and network.

Attendees Catch Up with Old and New Friends at the Opening Night Reception



After a busy schedule of administrative and technical meetings, about 1,500 attendees, exhibitors, and guests mingled over drinks and hors d'oeuvres, caught up with old friends, and met new contacts at the Opening Night Reception in the Phoenix Convention Center—a conference tradition that marks the close of CORROSION's opening day.



Monday, April 16, 2018

Plenary Lecturer Andresen Shares 45 Years of Corrosion Lessons Learned

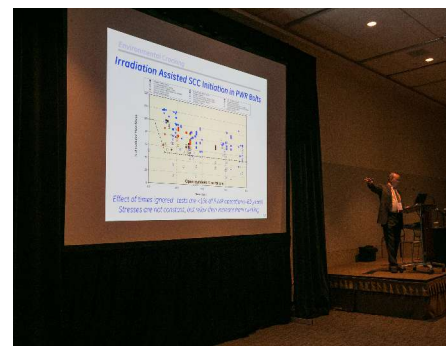
Peter Andresen, FNACE, presented this year's Plenary Lecture, "A Brief History of Environmental Cracking," to a packed house. Andresen, formerly with GE and currently with Andresen Consulting, gave the audience an insight into his 45-year career, which focused on environmentally assisted cracking (EAC) and crack growth rates.

Along with providing an overview of

different EAC failures as well as a brief history of cracking experienced in industry, Andresen's lecture addressed some EAC "lore" and many of the common assumptions that have been proven untrue. "Stress corrosion cracking (SCC) is more complex than other insidious forms of corrosion like pitting and crevice corrosion," Andresen said. He asserted that "we only know one percent of what there is to know about

EAC," and challenged the audience to take a different perspective on SCC.

Many classic perspectives on SCC are wrong, he noted, including immunity and thresholds. Researchers often pursue a single fix for SCC; however, this does not exist. He indicated that researchers need to consider variables together rather than in isolation, as dependencies exist between them.



NACE West Asia & Africa Area Presents Middle East Corrosion Challenges

The biggest threat in the Middle East and Africa is corrosion attack. In its forum, "The War Against Corrosion in the Middle East and Africa," the NACE West Asia & Africa Area presented the corrosion issues and mitigation techniques specific to the region, which encounters extreme conditions throughout the year. Corrosion experts from the Middle East and Africa presented case studies of corrosion in the

area that illustrated the extreme conditions that make corrosion control more challenging and the reasons why the area is still winning its war against corrosion.

Additionally, the forum explored the potential for corrosion control businesses in the area. Heading the discussion was Adama Gaye, a Senegalese expert known internationally for his authority on Africa's geopolitics, natural resources, and strategic

importance in world affairs. Gaye runs a private public relations and business consultancy that advises governments, companies, and international media operating in Africa. He is also a leading author in Africa and one of the top commentators and analysts on African affairs for the main media organizations of the world.



Adama Gaye discusses business opportunities in Africa at the Middle East forum.

Monday, April 16, 2018

Hundreds of Exhibits Showcased During Expo Grand Opening



To recognize the regional culture in Arizona, the Expo Grand Opening featured dancing that honors the unique spirit of Native Americans through traditional Apache dance and champion hoop dancers.

At 5 p.m. on Monday, NACE President Samir Degan opened the Exhibit Hall and delegates flowed inside to check out the hundreds of technologies on display. This year's exhibition included close to 700 booths and 420 exhibiting companies,

with 77 new exhibitors. By the opening ceremony, nearly 5,500 attendees had registered for CORROSION 2018.

"This is my favorite part of the event every year," NACE CEO Bob Chalker told the hundreds of delegates standing just

outside the entrance, waiting for the hall to open. "Seeing the faces and people ready to enter the Exhibit Hall, it's just a fantastic event. It's on track to be another great year, and we thank you for all your support. We're thrilled to have you all here."

Younger Corrosion Professionals Meet at 30 Below

At the 30 Below event, younger corrosion professionals (under 30 years old) continued their Monday evening networking activities.



Tuesday, April 17, 2018

Abrashoff Shares Leadership Experience in Keynote Session

On Tuesday morning before a large crowd of attendees, CORROSION 2018 keynote speaker Mike Abrashoff—renowned for his extraordinary leadership as commander of the U.S. Navy's USS *Benfold* and the ship's dramatic performance turnaround under his tutelage, which he describes in his bestselling book, *It's Your Ship*—shared a system of management techniques with the audience that he refers to as “The Leadership Roadmap.”

At 36 years old, Abrashoff took an 18-month assignment on the USS *Benfold*, which was in the poorest condition of any warship in the U.S. Pacific Fleet. “At the time I accepted the command, this was a low-performing warship with a high accident rate and dirty conditions,” he said. “I recognized that I needed to change the environment from a traditional culture of command and control to commitment and cohesion among the crew.”

To begin this turnaround, Abrashoff interviewed all crew members to learn about their jobs, personal lives, and concerns. He let them know he welcomed their ideas for improvement. “The most important thing a captain can do is see the ship through the eyes of the crew,” Abrashoff said. “When I asked for their input I heard, ‘no one has ever asked us to think before.’ I needed to empower them to be involved and own their performance results.”

Abrashoff cited one crewmember's idea for solving the grueling necessity of painting the ship every other month. Traditionally, when equipment and components were installed on the ship's topside, they would soon corrode and rust streaks would stain the deck and sides of



Mike Abrashoff discusses a system of management techniques that he refers to as “The Leadership Roadmap.”

the ship. Abrashoff's team found that by researching and finding suitable materials to mitigate corrosion of these components, the time required between painting jobs was lengthened to 10 months. “Now we could focus more on our mission of defending our country and continuing to improve our performance,” he said.

Morale and performance improved dramatically. After 15 months, the USS *Benfold* received the prestigious Spokane Award for having the highest degree of combat readiness in the Pacific Fleet. Personnel retention increased to nearly 100%, and by spending wisely, Abrashoff and the crew slashed the operating budget by 25%.

“Our goal from the beginning was to be better today than we were yesterday, and even just one percent better tomorrow,” Abrashoff said. “We were able to do this



Terry Greenfield (left) and Elaine Bowman (right), asked Mike Abrashoff a series of questions on how his leadership concepts relate to NACE.



Many CORROSION 2018 attendees gathered to hear Mike Abrashoff describe his successful leadership experiences aboard the USS *Benfold*.

through what I call ‘The Leadership Roadmap,’ a practice that empowers every individual to share the responsibility of achieving excellence.”

Following Abrashoff's talk, NACE Vice President Terry Greenfield and NACE Past President Elaine Bowman, manager of the NACE IMPACT Study and IMPACT PLUS suite of corrosion management tools, asked a series of questions focused on how these leadership concepts relate to NACE. Abrashoff reiterated that they apply to the successful leadership of any organization, no matter what size or industry. “Put yourselves in the shoes of the people you're trying to influence,” Abrashoff concluded. “Engage the hearts, minds, and loyalty of your crew. As I often told my sailors on the USS *Benfold*, ‘it's your ship.’”

Tuesday, April 17, 2018

Management Experiences Discussed at Interactive Leadership Forum

For the first time during its annual CORROSION conference and expo, NACE hosted an interactive Leadership Forum. Held on Tuesday morning following Mike Abrashoff's keynote address on leadership, the forum provided the opportunity for attendees to learn from those who have set the direction of their businesses and used their management skills to effectively guide teams to reach organizational goals.

The Leadership Forum is an initiative that coincides with the goals of NACE's Leadership Training Program for its member volunteers. Participants of this training program learn skills that enable them to grow and succeed in their careers, whether within their own companies or in their volunteer work.



The Leadership Forum panel included (standing) forum moderator Richard Hays, senior corrosion engineer at Excet, Inc. and former deputy director of the U.S. Department of Defense Office of Corrosion Policy and Oversight; (seated, left to right) Mike Abrashoff; Terry May, founder and CEO of MESA and two-time Malcolm Baldrige Award recipient; and Bill Hedges, acting chief engineer at BP Facilities & Assets.

Modeling Pipeline Corrosion Is Focus of Whitney Lecture

With 2,225,000 km of pipelines in the United States and more offshore, corrosion in pipelines is a major concern. During his Whitney Lecture, 2018 Willis Rodney Whitney Award recipient Srdjan Nešić, FNACE, explained the role of carbon dioxide (CO₂) and hydrogen sulfide (H₂S) in pipeline corrosion, and emphasized the need to better understand the effects of water chemistry, including pH. He

noted that predictive models for pipeline corrosion have been proposed since the 1960s, but many of these models fail to accurately portray the corrosion. They do not take more extreme conditions into account or they grossly overpredict the occurrence of corrosion, he explained. Nešić stressed the need to move away from empirical corrosion models and instead create and use mechanistic models.



Srdjan Nešić delivered this year's Whitney Lecture.

Forum Explores Corrosion Issues in Latin America



NACE attendees gathered on Tuesday afternoon to learn about the challenges and solutions for several Latin American countries when implementing corrosion control projects in environments that include mountains, rivers, and forests. Moderated by Jorge Cantó, engineering director with Corrosión y Protección Ingeniería, the forum featured sessions

that included information about specific corrosion experiences in Mexico, Brazil, and Argentina, as well as NACE section activities and partnerships in Latin America. The well-attended forum included a networking session, with participants sharing professional and cultural perspectives involved with their work in corrosion.

Tuesday, April 17, 2018

GenNEXT Bash Celebrates the Future of the Industry



The Van Buren, downtown Phoenix's newest concert venue, was the site of the NACE Foundation's GenNEXT Bash event, which followed the Scholarship Awards Ceremony. The event was enjoyed by more than 670 conference attendees. High energy and lively tunes kept the dance floor filled throughout the evening.



The Outstanding Student Award, presented to Nicholas D'Angelo from the University of Akron, is given by the NACE Foundation to recognize exceptional service to NACE or the NACE Foundation by a NACE student member in good standing.

Wednesday, April 18, 2018

High School Students Attend Corrosion Mini-Camp

The NACE Foundation's fourth annual corrosion mini-camp, CORROSION: *Opportunities Realized*, hosted 53 high school students at CORROSION 2018. Participants were invited from three Phoenix area high schools—South Mountain High School, Bioscience High School, and Fairfax High School—to learn about career and academic opportunities in corrosion from industry leaders and professionals. Students engaged in hands-on corrosion experiments from the Foundation's cKit™, a corrosion toolkit that contains materials such as an electrode set, digital voltmeter, batteries, and alligator clips.



Students visit the NACE Cathodic Protection Field in the Exhibit Hall during the NACE Foundation's CORROSION: *Opportunities Realized* mini-camp.



By ranking the reactivity of different metals in blue copper sulfate (CuSO_4) solution, mini-camp students learned about the activity series of metals.

Wednesday, April 18, 2018

University Student Design Competition Showcases Innovative Corrosion Detection Systems

The third annual University Student Design and Applied Solutions Competition (USDASC), held this year at CORROSION 2018, challenged university students to develop a system for corrosion detection in hard-to-access areas. The 2018 competition featured teams from George Mason University, Louisiana State University, Penn State, Texas A&M University, The University of Akron, U.S. Airforce Academy, U.S. Military Academy, and U.S. Naval Academy.

In advance of the CORROSION conference, each team built an autonomous system for corrosion inspection in difficult-to-access areas. The system was required to inspect, identify, and quantify any corrosion related defects found inside the fixed structure; autonomously move through the structure without human touch; and communicate any information discovered to a team operator. Additionally, the system had to succinctly report the

location of water; the presence of surface corrosion; location, area, and depth of corrosion penetration; and the extent and type of coating degradation within 1 in² (645 mm²). Teams also had to work within a fixed budget. The competition featured



On Wednesday, USDASC teams demonstrated their robot's ability to negotiate obstacles and inspect for corrosion in a closed steel box.

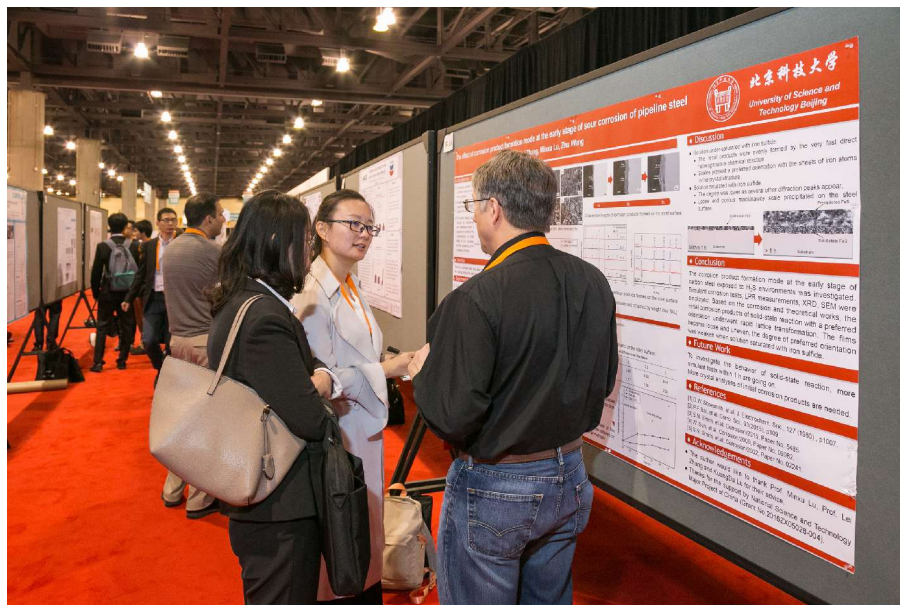
eight prototype robots to perform these tasks.

At the end of the competition, U.S. Naval Academy came in first place, followed by Louisiana State University in second place, and U.S. Military Academy in third place.

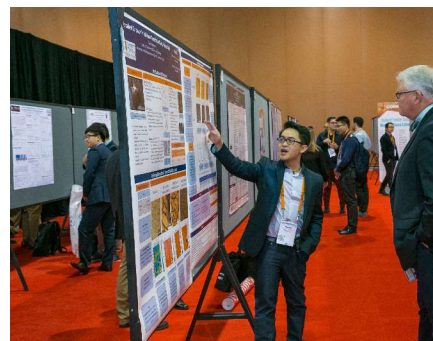
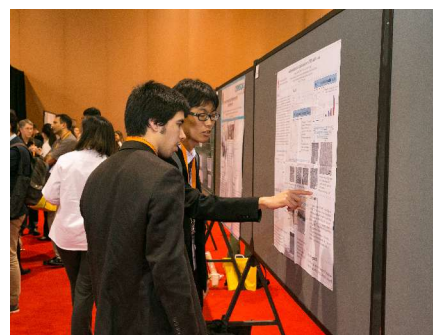


The 2018 USDASC first place team is from the U.S. Naval Academy. Shown (left to right) are Ethan List, professor of mechanical engineering and advisor; Sam Valley; Patrick Moore; Cameron Duffy; Zoe Sobek; Brian Long; Mat Crispell; Rich Hays, advisor; and Pat Moran, professor and former department chair, mechanical engineering, and advisor.

Poster Session Displays Diverse Research Projects



During the Student Poster Session in the Exhibit Hall, more than 140 posters were displayed for NACE members and visitors.



Wednesday, April 18, 2018

CoatingsPro Magazine Presents Contractor Awards

The second annual Contractor Awards Program, hosted by *CoatingsPro Magazine*, recognized commercial and industrial coatings contractors and crews for projects that demonstrate excellence in the high-performance coatings industry. Submissions were rated by the *CoatingsPro* Editorial Advisory Group with help from the *CoatingsPro* technical editor. Each nomination was submitted by a coatings contractor, and nominated projects were completed between November 2016 and November 2017.

Commercial Concrete

First place: Chamberlin Roofing & Waterproofing for “Gaylord Family Oklahoma Memorial Stadium”

Second place: MSC Floors for “Quartz Floors, Walls, and Ceilings”

Third place: Decorative Concrete of Virginia for “Ballast Point Daleville”

Commercial Roof

First place: RoofCARE for “Santa Fe Community College Commons Area Renovation”

Second place: Foam Tight Roofing and Insulation/BN Contracting, LLC for “PSE&G LEED Platinum Certified Green Roof”

Third place: ACS Commercial Roofing for “Commonwealth Assisted Living at Abingdon”

Industrial Concrete

First place: O.T. Neighoff & Sons, Inc. for “Medstar Health—Washington Hospital Center”

Second place: Life Deck Coating Installations for “Cutwater Spirits”

Third place: Surface Technology, Inc. for “Valicor”

Industrial Steel

First place: Howell & Howell Contractors, Inc. for “Brown-Forman Whisky Bottle Tank”

Second place: Coatings Unlimited, Inc. for “Miami Dolphins Hard Rock Stadium Roof Project”

Third place: DECO Coatings, Inc. for “Water Filtration Tanks”

Specialty Project

First place: Wedge Roofing for “Realm Cellars Winery”

Second place: Capital Painting & Decorating, Inc. for “Ulysses S. Grant National Historic Site—White Haven”

Contractor/Crew MVP

Neysa Nordstrom of Venture Construction Group of Florida



Contractor Awards Program winners (left to right) Janet South, DECO Coatings Inc.; Gary Harvey, Wedge Roofing; Bob Converse, GE Silicones, on behalf of ACS Commercial Roofing; Jonathan Small, RoofCARE; Scott Miller, Capital Painting & Decorating, Inc.; Fred Goodwin, BASF, on behalf of Chamberlin Roofing & Waterproofing; Raymond Frater, O.T. Neighoff & Sons, Inc.; Mike Dudukovich, Howell & Howell Contractors, Inc.; Ryan Tilly, MSC Floors; and Steve Philip Jr., Coatings Unlimited.

Wednesday, April 18, 2018

Awards Dinner Honors Outstanding NACE Members



At the Annual Awards Dinner, NACE honored more than two dozen members with achievement awards and special recognition, and introduced the NACE officers for 2018-2019.



Outgoing NACE President Samir Degan passes the NACE presidency to incoming NACE President Jeff Didas.



The NACE Board of Directors for 2018 are (front row, left to right) Toyoji Takeuchi, Samir Degan, Mike Ames, Terry Greenfield, Jeff Didas, Bob Chalker, Chris Fowler, and Debra Boisvert; (second row, left to right) Mike O'Brien, Eric Langelund, Lindsay Enloe, Keith Perkins, Cris Conner, Amir Eliezer, Mohammed Al-Subaie, Drew Haiko, Ryan Tinnea, Bernardo Duran, and Dan Adley.

NACE International 2018 Association Awards

Each year NACE recognizes individuals who have made significant and lasting contributions to the corrosion industry through the association's Award Program. It is with honor, respect, and gratitude that NACE recognizes the achievements and contributions of its members. On Wednesday evening, the following individual members and organizations were honored for outstanding service at the Annual Awards Dinner. See the special insert in the February 2018 issue of *MP* for information on the achievements of this year's awards recipients.



2018 R.A. Brannon Award,
Aida Lopez-Garritty



2018 A.B. Campbell Award,
Liu Cao



2018 CORROSION Best Paper Award,
Michael Henthorne



2018 T.J. Hull Award,
John Scully, FNACE



2018 H.H. Uhlig Award,
Homero Castaneda-Lopez



2018 W.R. Whitney Award,
Srdjan Nešić, FNACE



2018 NACE Presidential Achievement
Award, Ashutosh Karnatak



2018 NACE Foundation Founders
Awards, Andy Nydam and Debbie
Goodwin

Not pictured: 2018 F.N. Speller Award recipient Robert (Bob) Tapping.

Distinguished Organization Awards



Distinguished Organization Award, Abu Dhabi Company for Onshore Oil
Operations (ADCO)



Distinguished Organization Award, The Libyan Corrosion Society

Distinguished Service Awards



Abdullah Al-Ghamdi



Gerald Holton



Michelle Lau



Conchita Mendez



Paul Noyce

Not pictured: Mario Celant and Alberto Valdes.

Technical Achievement Awards



Thierry Cassagne, FNACE



Sylvia Hall



Perry Nice



V.S. Raja, FNACE

Not pictured: Paul Puckorius.

50-Year Members



George H. Bodman



Killian "Dan" Efid



Joe H. Payer



John T. McCaffery



Rudolf H. Hausler

Not pictured: Emil L. Bereczky, Samuel A. Bradford, Michael A. Brett, David C. Brown, James R. Crum, Bobby A. Ferrell, John W. Haught, Robert H. Heidersbach, Donald L. Love, Brian A. Manty, Clyde E. McWhirter, L. James Moore, James D. Oliver, Edward J. Ondak, James E. Preston, Bud Ross, A.F. Slover, Duane Tracy, Earl R. Unick, and Jerry E. Whitaker.

NACE 2018 Class of Fellows



Mohsen Achour



Sean Brossia



Jim Chmilar



David Enos



Sytze Huizinga



Michelle Koul



Mike Tan



Ockert Van Der Schijff

Not pictured: Rani George and Brian Wyatt.

Scholarship Awards Ceremony

On Tuesday evening at The Van Buren, the NACE Foundation recognized its 2018 scholarship recipients during the Scholarship Awards Ceremony. Out of the more than 750 applications received by the NACE Foundation, 38 outstanding students were selected for 49 scholarships. Recipients were chosen by selection committees based on their academic excellence, work experience, professional activities, and commitment to the corrosion industry.

The NACE Foundation, now in its 14th year of awarding scholarships, is able to recognize these deserving students each year thanks to individual and corporate donations, as well as the generous financial support from NACE sections and areas.



Sylvia Hall presents University of Akron student Madeline Lee with the Sharon Aihara Coombs Memorial Scholarship. Lee also received a NACE Foundation Academic Scholarship.

Student Scholarships

American Innovations Corrosion Scholarship

Jacob Lapp, Williamson College of the Trades; and Alexander Plumlee, Oklahoma State University

Appalachian Underground Corrosion Short Course Scholarship

Spencer Fultineer, Jonas Kavi, Praveen Majjigapu, and Piyush Soti, West Virginia University

Gordon Rankin Corrosion Engineering Scholarship

Ashleigh Carpenter, University of Akron; and Brad MacDonald, Temple University

Graduate Student Book Award

Abraham Becerra, Instituto Sabato; Ru Jia, Ohio University; Jonas Kavi, West Virginia University; Armen Kvryan, Boise State University; Praveen Majjigapu, West Virginia University; Christopher Ozigagu, University of North Texas; and Shruthi Tiruchirapalli Kumar Raj, Michigan State University

Hans Schmoldt Scholarship in Cathodic Protection

Jarrold Moran, University of Akron

Lee Magnon Memorial Scholarship

Shannon Robins, Iowa State University; and Alexandra Ivey, University of Southern Mississippi

Melvin J. Schiff Fellowship Fund

Bridget Walter, University of Oklahoma

MTI Bert Krisher Memorial Scholarship

Nathan Frye, University of Akron; and Katherine Russell, Michigan Technological University

NACE Detroit Section Scholarship

Mackenzie Keefer and Turner James Lechner, Michigan Technological University

NACE Eastern Area Scholarship

Nicholas Pottschmidt, University of Akron

NACE Foundation Academic Scholarship

Ashleigh Carpenter, Madeline Lee, Brian Musial, Nicholas Pottschmidt, University of Akron; and Caroline Van Pelt, Penn State University

NACE Foundation of Canada—Graduate Student Excellence Award

Shooka Mahboubi, McMaster University; and Lisa Stephens, McGill University

NACE Foundation-Williams Companies Scholarship

Alexandra Ivey, University of Southern Mississippi

NACE Gateway India Section Scholarship

Annesha Das, Bhabha Atomic Research Center/Homi Bhabha National Institute; Dyana Joseline, Indian Institute of Technology, Madras; Rajnish Kumar, CSIR-Indian Institute of Chemical Technology, Hyderabad; and Sundar Rathnarajan, Indian Institute of Technology, Madras

NACE Intermountain Scholarship

Alex Hesketh, University of Utah

NACE Los Angeles Section Scholarship

Steven Pierce, Cal Poly Pomona

NACE Past Presidents Scholarship

Erica Fagnan, University of California at Santa Barbara; and Shannon Jaeger, Missouri University of Science and Technology

NACE Philadelphia Section Liberty Bell Academic Scholarship

Jacob Lapp, Williamson College of the Trades; and Caroline Van Pelt, Penn State University

NACE Puget Sound Section Scholarship

Jacob Lapp, Williamson College of the Trades

NACE Sandia Mountain Section Scholarship

Grace Weber, Colorado School of Mines

Sharon Aihara Coombs Memorial Scholarship

Madeline Lee, University of Akron

Sherwin-Williams Protective and Marine Coatings Academic Scholarship

Brian Musial, University of Akron; and Alex Plumlee, Oklahoma State University

Theodore D. Harrington Scholarship

Alex Hesketh, University of Utah

Tinker & Rasor-Latin American Area Scholarship

Carolina Solano Caceres, Universidad Industrial de Santander



Several students display their Graduate Book Award scholarship certificates.



The NACE Foundation scholarship recipient Ashleigh Carpenter with the University of Akron (center), is shown with (left to right) Doni Riddle, Tim Bieri, Keith Perkins, Kim Ray, Samir Degan, Mark Byerley, and Jeff Didas.



The NACE Foundation awarded more than \$57,000 to 175 students who attended CORROSION 2018 to present their research in the Student Poster Session or technical program.

NACE Student Poster Session Winners

The NACE Research Committee sponsors a Student Poster Session at each CORROSION conference to encourage students to become active in NACE and present the results of their work to the membership. At CORROSION 2018, a total of 140 posters were displayed by undergraduates, masters, and doctoral students from around the world and featured high-quality research on a diverse array of topics. Ten winners in four categories were selected.



Student Poster Session Winners (back row, left to right): Corey Efaw, Andrew Moran, Jack Walton, and Anup Panindre; (front row left to right): Claudia Prieto, Juan Dominguez Olivo, Angela Gerard, Sara Filice, and Yenny Cubides Gonzalez. Not pictured: Connor Panick.

Marcel Pourbaix Category for Corrosion Science

First Place: Juan Dominguez Olivo, Ohio University

Second Place: Angela Gerard, University of Virginia

Third Place: Sara Filice, McMaster University

Mars Fontana Category for Corrosion Engineering

First Place: Claudia Prieto, Ohio University

Second Place: Corey Efaw, Boise State University

Third Place: Anup Panindre, The Ohio State University

Harvey Herro Category for Applied Corrosion Technology

First Place: Andrew Moran, University of Akron

Second Place: Yenny Cubides Gonzalez, Texas A&M University

Third Place: Jack Walton, Michigan State University

Best Undergraduate Poster

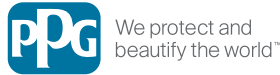
Connor Panick, U.S. Naval Academy

NACE thanks attendees, sponsors, and exhibitors for making this year's event a huge success. We look forward to seeing everyone next year at CORROSION 2019 (March 24-28, 2019) in Nashville, Tennessee, USA.

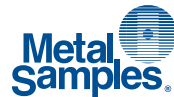
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Sales.....	6223	Sales.....	6223
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Area/Section-Sponsored Courses.....	6258	MR0175.....	6221
General Information.....	6223	C1, N2.....	6208
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Home Study		Minutes, Agendas.....	6264
General Information and		Technical Coordination Committee	
Registration.....	1802	& Subcommittees	6221
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Instructor Applications.....	6233		
Registration—All Course Types	6223		
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General Information.....	6223		
Sales.....	6223		
Technical Support	6255		
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Advertising.....	6219		
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Information	6264		
Registration.....	6223		



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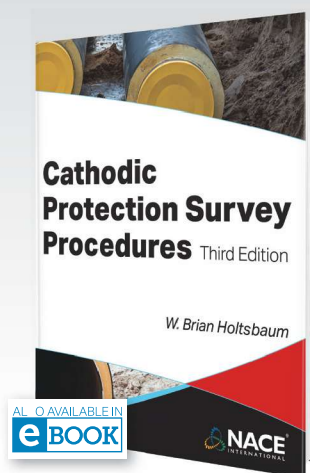
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– Manish Saini, NACE Cathodic Protection Technician (CP2) Certified,
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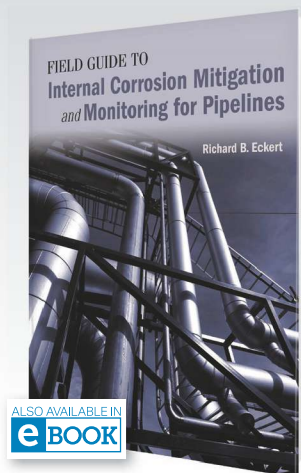
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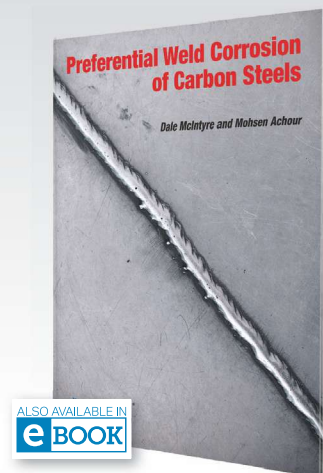
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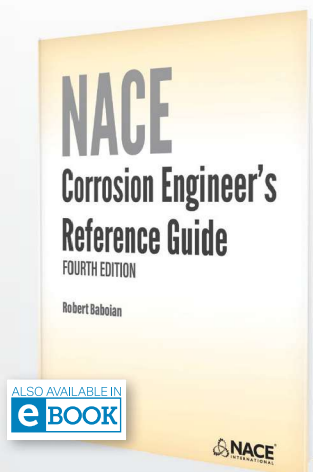
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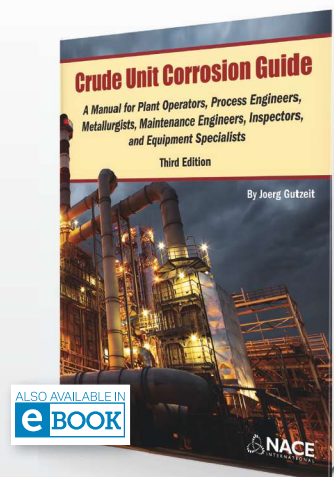
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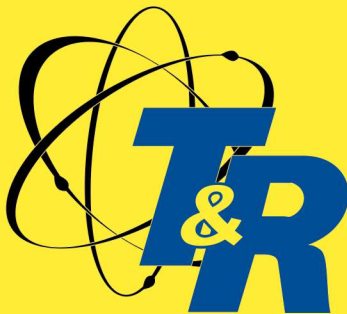
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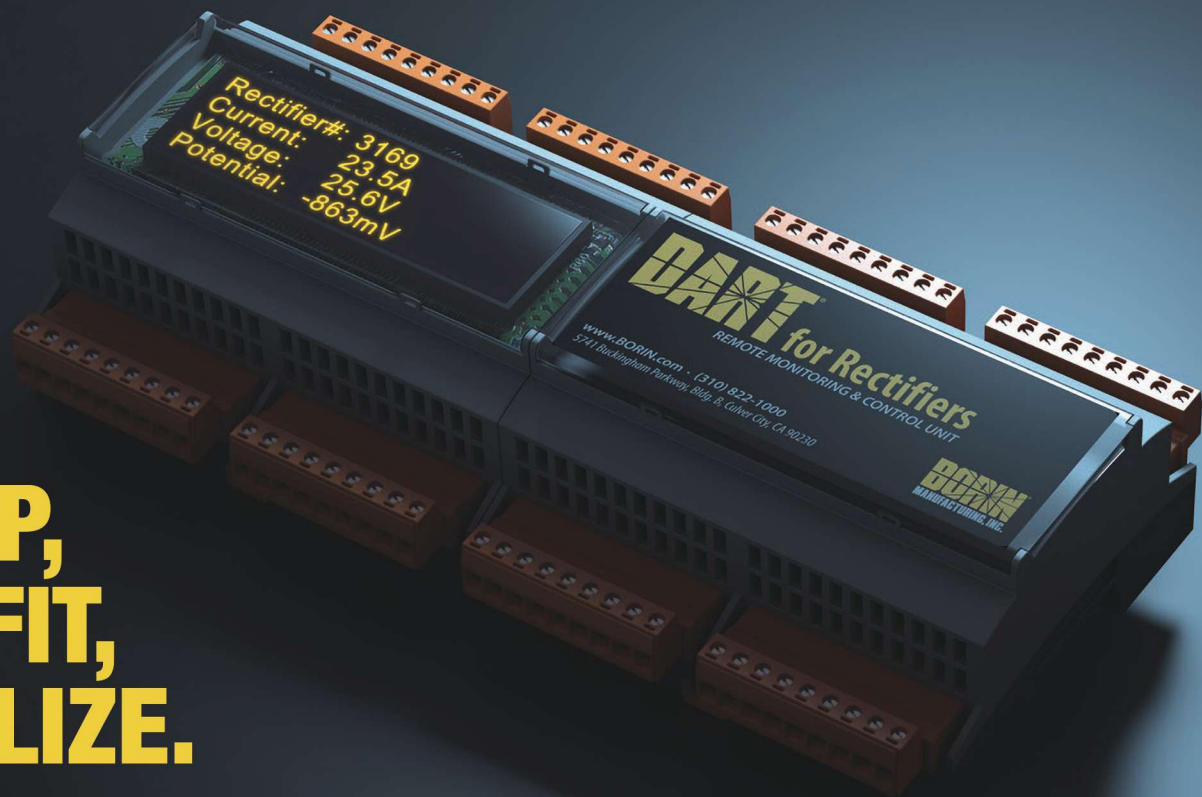


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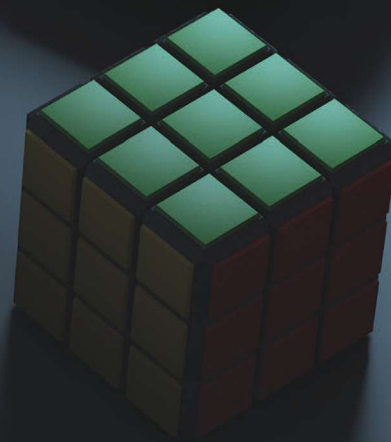
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