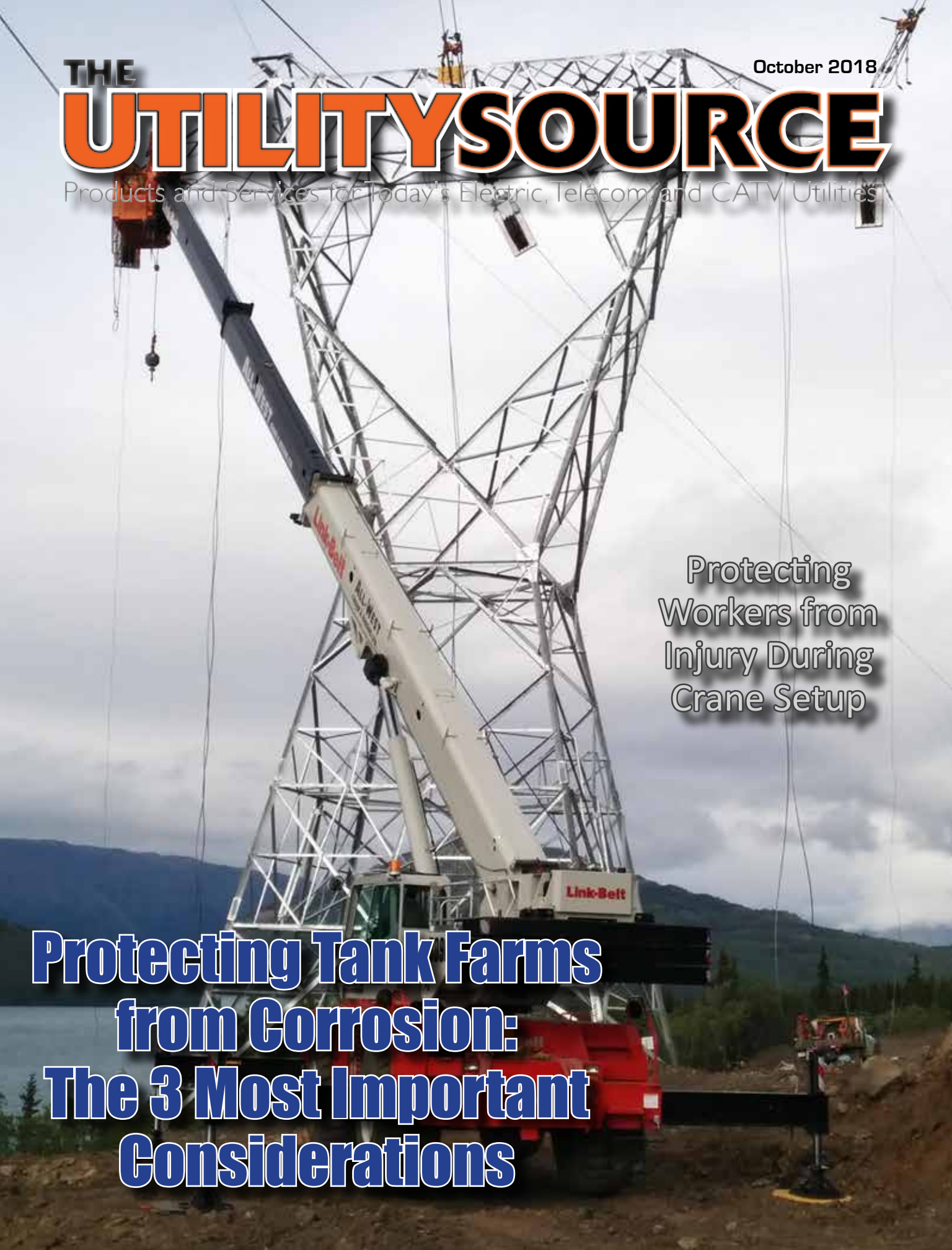
October 2018

THE UTILITY SOURCE

Products and Services for Today's Electric, Telecom, and CATV Utilities

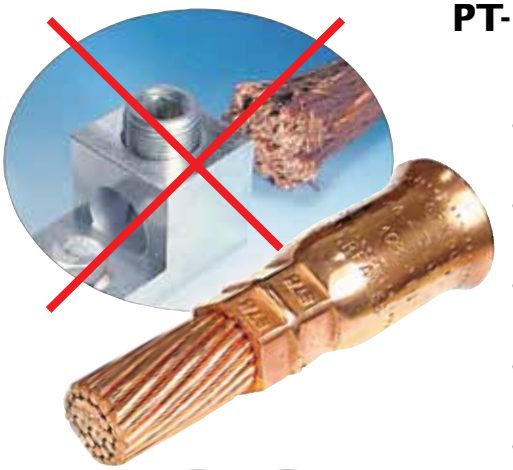


Protecting Workers from Injury During Crane Setup

Protecting Tank Farms from Corrosion: The 3 Most Important Considerations

When the cable doesn't fit, and you need a solution... FAST

GO TO THE GREAVES ADAPTER ZONE!



PT-FX Shoo-Pin™ Compression Adapters

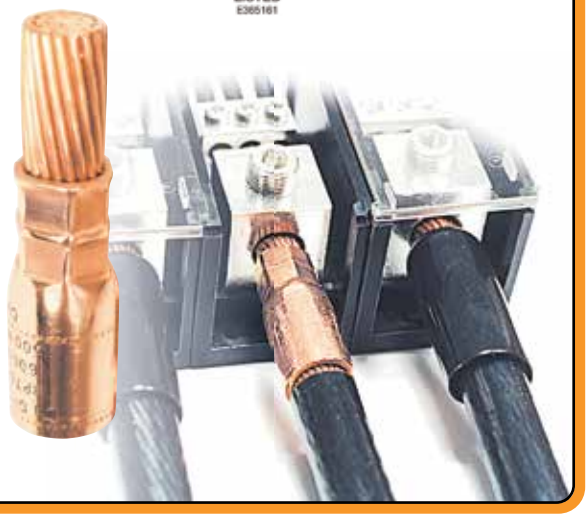
- All-copper compression adapters
- Allows reliable termination of highly stranded flexible copper cable into mechanical lugs
- Used in locomotive, mining, marine, and machinery applications
- Fits into mechanical set-screw type connectors in panels, transformers and machinery
- Features revolutionary Shoo-in™ barrel-opening design for easy cable insertion
- Fabricated of wrought copper with pin of Class B copper conductor
- Insulating covers are provided

UL LISTED E365161 · CSA C US · For Copper Cable Only

PT-R ReduceЯ™ Cable Reducing Adapters

UL LISTED E365161 · CSA C US · For Copper Cable Only

- All-copper compression adapters
- Use where cable is oversized to reduce voltage drop on long runs
- Use fit existing C/B, transformer, or other gear lugs
- For Class B 'building wire' cable stranding only
- Fits into mechanical set-screw type connectors in panels, transformers and machinery
- Fabricated of wrought copper barrel with pin of Class B copper conductor
- Insulating covers provided



GREAVES www.greaves-usa.com ▪ 1-800-243-1130

Morooka Utility Carriers Keep America on Track

MOROOKA

Call: **1-877-667-6652**

or

Visit: **morookacarriers.com**

The Utility Source Contents · *October 2018*

PG 4	Industry News
PG 8	Protecting Tank Farms from Corrosion: The 3 Most Important Considerations
PG 16	Protecting Workers from Injury During Crane Setup
PG 22	Unprecedented Power Station Asset Sale Announced
PG 24	Mack Trucks Showcases Pink Mack Anthem® Model for National Breast Cancer Awareness Month
PG 26	Results of the 6th Annual Trailer for a Cause Auction Benefiting MOCA
PG 28	New Product News
PG 32	Ad Index

THE UTILITYSOURCE

Products and Services for Today's Electric, Telecom, and CATV Utilities

Vol. 18- Issue 10

EDITOR
Brandon Greenhill
brandon@tipsmag.net

CREATIVE/ WEB DIRECTOR
Jacklyn Greenhill
jacklyn@handfmedia.net

ADMINISTRATIVE DIRECTOR
Steven Hobson
steven@tipsmag.net

CEO
Christy Hobson

PRESIDENT
Glen Hobson

CJS Media

Executive and Advertising Offices
PO Box 1568
Pelham, AL 35124
phone: **205-441-5591** fax: **205-624-2185**
www.theutilitysource.net
glen@handfmedia.net

The Utility Source™ is published twelve times a year on a monthly basis by CJS Media, Inc. ***The Utility Source***™ is distributed free to qualified subscribers. Non-qualified subscription rates are $57.00 per year in the U.S. and Canada and $84.00 per year for foreign subscribers (surface mail). U.S. Postage paid at Birmingham, Alabama and additional mailing offices.

The Utility Source™ is distributed to Power, Telcom and CATV Utilities and Utility Contractors throughout the USA. Publisher is not liable for all content (including editorial and illustrations provided by advertisers) of advertisements published and does not accept responsibility for any claims made against the publisher. It is the advertiser's or agency's responsibility to obtain appropriate releases on any item or individuals pictured in an advertisement. Reproduction of this magazine in whole or in part is prohibited without prior written permission from the publisher.

POSTMASTER: Send address changes to
CJS Media, P.O. Box 1568
Pelham, Al 35124
PRINTED IN THE USA

Rugged Dependability

Standard in every machine we build!

Hogg & Davis has been proudly manufacturing utility line equipment for more than half a century.

Our trusted products are part of the fleets and tool cribs of nearly every investor- owned power and communictations company in the United States and Beyond.

HOGG & DAVIS, INC.

3800 EAGLE LOOP • ODELL, OR 97044

TEL 541.354.1001 • FAX 541.354.1080

WWW.HOGGDAVIS.COM

HOGG & DAVIS, Inc.

DICA Nominated for Iowa Legends in Manufacturing Award

October 4, 2018 (Guthrie Center, Iowa) DICA was recently nominated as Exporter of the Year by Midwest Partnerships as part of the Legends in Manufacturing event presented by the Iowa Association of Business and Industry. Midwest Partnership's is an economic development corporation serving Adair, Audubon, Greene and Guthrie counties in West Central Iowa .

Nominees for the Manufacturing Export Award were presented for being stewards of global business activities. "DICA's Made in the USA line of outrigger pads and crane pads are used in over 40 countries and on six continents and the company has distribution in Canada, the USA, Mexico, Australia, the United Kingdom, and the Middle East," stated Midwest Partnership in their nomination of the company.

Initially a supplier of fiberglass utility bodies, aerial buckets, small excavating equipment, and electrical inverters, DICA developed its first engineered outrigger pad in 1988. "They've led the way in outrigger pad product innovation ever since," said Midwest Partnership.

"It was an honor to be nominated for this award. While we were recognized for our export activities, we are equally committed to plan for future job growth and economic development here in Central Iowa," said Dick Koberg, DICA founder.

The all new T14-54/617 is the Tier 4-compliant Trencor Mechanical Trencher. Packed with plenty of power for the toughest rock, the new T14-54/617 runs so cleanly there is no regen cycle needed. Trencor is known for being the longest lasting, toughest, underground equipment in the industry all backed by 24/7, worldwide, service and support. PinPoint® Telematics comes standard, logging and transmitting real-time data to optimize operations and reduce downtime due to missed maintenance.

© 2018 American Augers, Inc.
A Charles Machine Works Company

NESCO

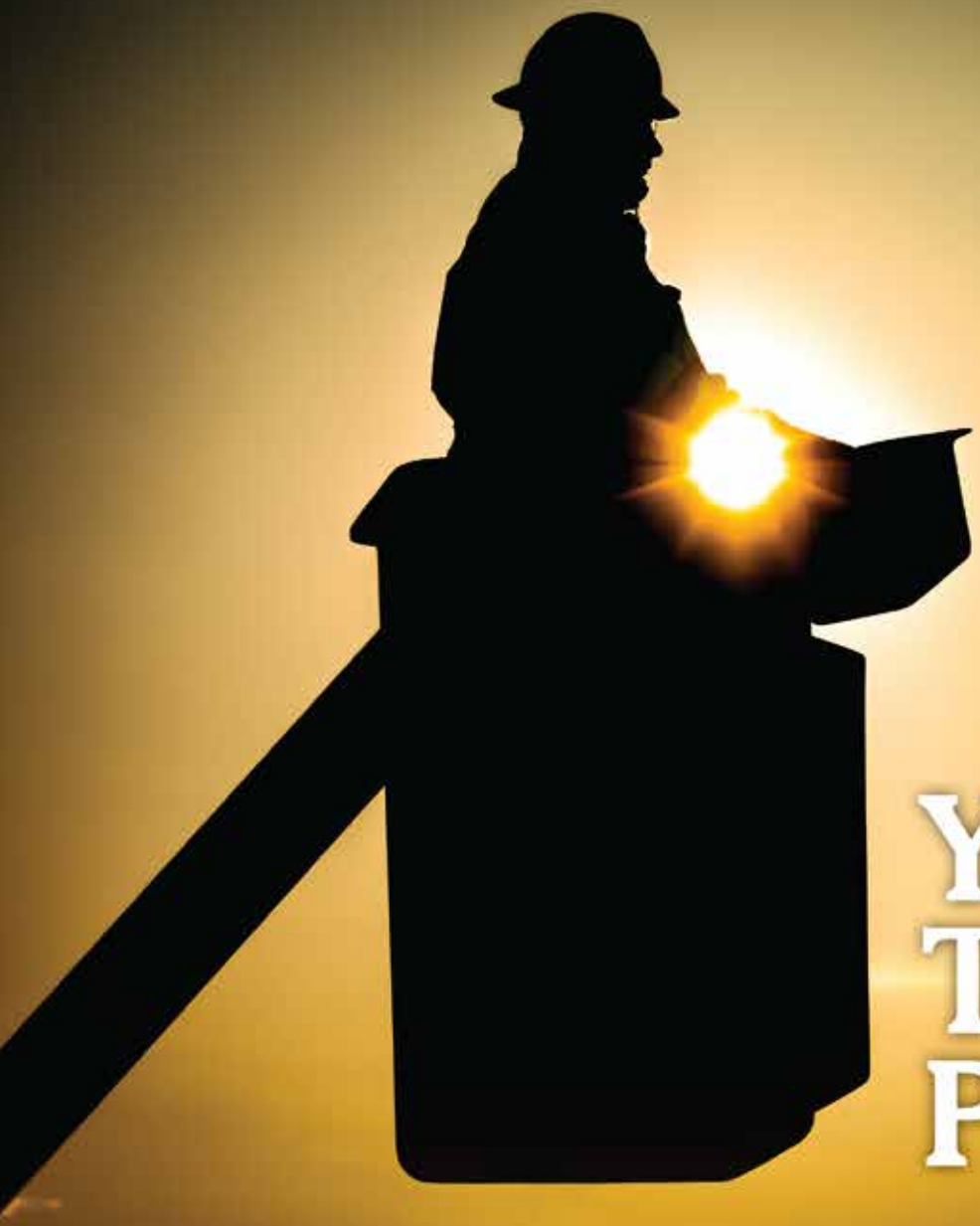
RENTAL EQUIPMENT

THAT WORKS AS HARD AS YOUR CREW

NESCO isn't just a premier provider of utility rental equipment, but a leader in responsiveness and support for all customers. Dedicated rental and service teams, combined with one of the industry's largest rental fleets, ensure NESCO meets your job site needs.

AERIAL » DIGGERS » CRANES » STRINGING EQUIPMENT
UNDERGROUND » TOOLS & ACCESSORIES

800-252-0043
www.NESCORENTALS.com



Your Trusted Partner.

Partnering with Ring Power gives you access to a vast range of jobsite-tough products to round out your fleet. Ring Power carries machines from dozens of manufacturers to ensure you always have access to the right tools for your job.

Short-term, long-term or rental-purchase options available.

Ring Power®
Utility Equipment

TEREX Utilities
ELLIOTT EQUIPMENT COMPANY
SPIRADRILL
NATIONAL CRANE
Manitex
VACCON
TADANO MANTIS CRANES

1-844-766-RENT • Utility.RingPower.com

PIONEER OF TOMORROW'S INNOVATIONS.

Solutions for electric utilities focusing on power delivery systems

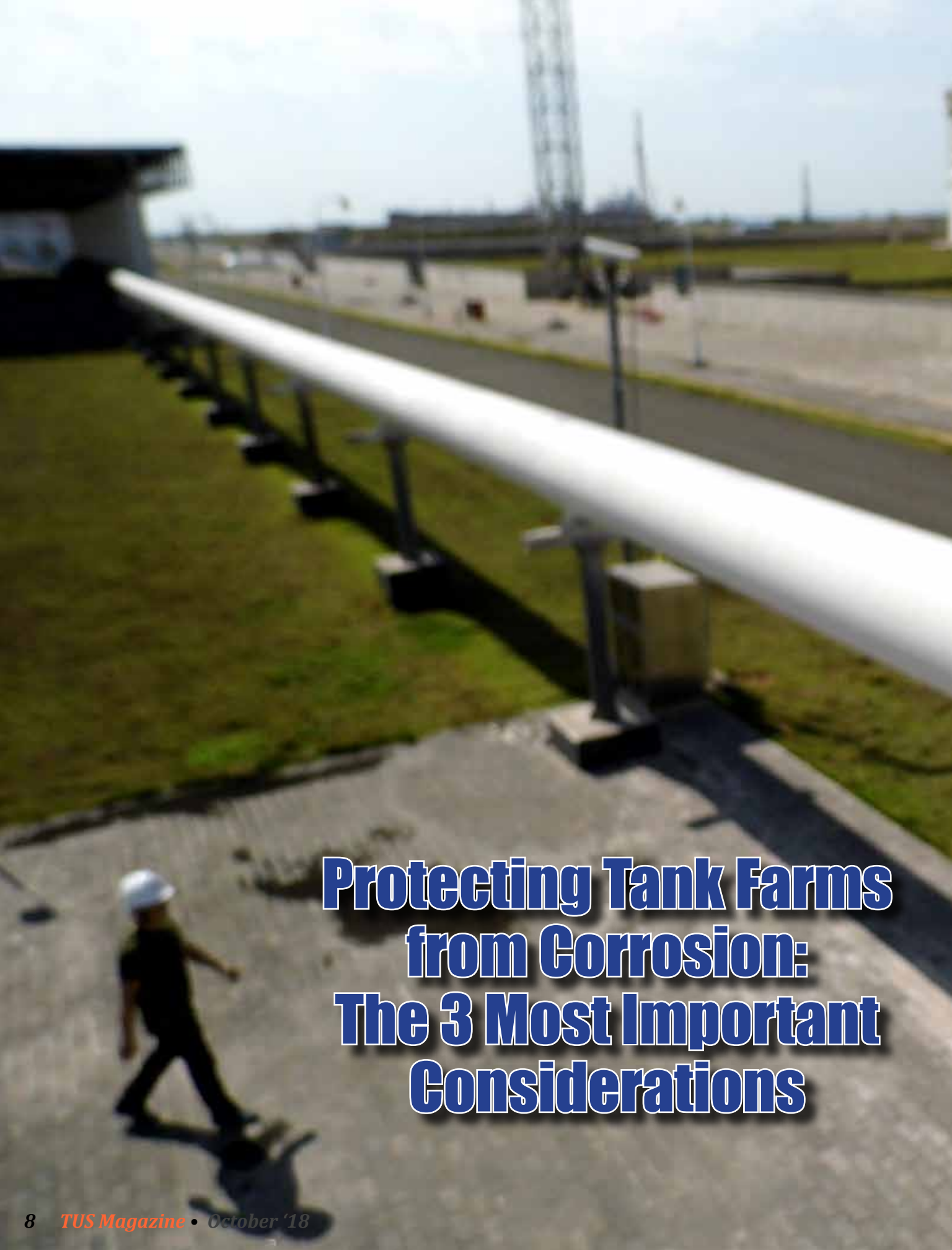
History speaks for itself. Terex Utilities has a legacy of innovative solutions that have changed the industry – from the first hydraulic digger derrick to our recent launch of the Terex® Load Alert™ system. We provide game-changing solutions that work for our customers and plan to continue well into the future. Terex Works for You™ by listening and taking action. We are here to help solve your challenges and provide innovative, high quality products and services that fit your needs.

www.terex.com/utilities

TEREX®

WORKS FOR YOU.™

©2017 Terex Corporation. Terex, the Terex Crown design and Works For You are trademarks of Terex Corporation or its subsidiaries. All rights reserved.



Protecting Tank Farms from Corrosion: The 3 Most Important Considerations

Going beyond barrier coatings, addressing CUI, and speeding turnaround is achievable with an innovative, cost effective approach

With asset utilization critical and community and regulatory pressure always looming, it is essential that tank farm owners proactively prevent any loss of containment with reliable, cost effective corrosion protection. This is crucial since atmospheric corrosion is one of the main culprits of tank leaks, containment loss, and early replacement.

As oil depots and terminals are often comprised of ample pipeline through which to draw product, it is also vital to address corrosion under insulation (CUI), which can cause serious problems including forced shutdowns, lost production, etc. CUI, which involves the corrosion of vessels or pipe beneath insulation due to water penetration, is insidious because it can remain undetected until leaks occur or the insulation is removed for inspection. Consequently, dealing with CUI and inspecting for it are very costly.

Fortunately, by addressing a few important considerations regarding corrosion, tank farm owners can stop corrosion and CUI for years to dramatically extend tank and pipe service life. In doing so, they can also improve safety, reduce downtime, and expedite maintenance turnaround.

Go Beyond Barrier Coatings

Tank farm corrosion protection typically involves applying polymer paints and rubber type coatings. Such methods create a physical barrier to keep corrosion promoters such as water and oxygen away from steel substrates. However, this only works until the paint is scratched, chipped, or breached and corrosion promoters enter the gap between the substrate and coating. When this occurs the coating can act like a greenhouse – trapping water, oxygen and other corrosion promoters – which allows the corrosion to spread.

Instead, as a better alternative, a growing number of the world's largest petrochemical companies with tank farms are finding success with an innovative approach toward stopping corrosion.

To extend the service life of tank farm assets, including those already experiencing atmospheric corrosion, owners and facility managers are turning to a new category of tough, Chemically Bonded Phosphate Ceramics (CBPCs) that can stop the corrosion, ease application, and reduce production downtime even in very wet, humid conditions.

One example of this is EonCoat, a spray applied inorganic coating from the Raleigh, North Carolina-based company of the same name.

In contrast to traditional polymer coatings that sit on top of the substrate, the EonCoat corrosion resistant CBPC coating bonds through a chemical reaction with the substrate. The surface of steel is passivated as an alloy layer is formed. This makes it impossible for corrosion promoters like oxygen and humidity to get behind the coating the way they can with ordinary paints.

Although traditional polymer coatings mechanically bond to substrates that have been extensively

prepared, if gouged, moisture and oxygen will migrate under the coating's film from all sides of the gouge.

By contrast, the same damage to the ceramic coated substrate will not spread corrosion because the carbon steel's surface has been chemically transformed into an alloy of stable oxides. Once the steel's surface is stable (the way noble metals like gold and silver are stable) it will no longer react with the environment and therefore cannot corrode.

Visible in scanning electron microscope photography, EonCoat does not leave a gap between the steel and the coating because the bond is chemical rather than mechanical. Since there is no gap, even if moisture was to get through to the steel due to a gouge, there is nowhere for the moisture to travel. This effectively stops atmospheric corrosion on carbon steel assets.

Address the "Silent Killer" CUI

Corrosion Under Insulation (CUI) is the root cause of many of the global petrochemical industry's most serious problems including forced shutdowns, lost production, early repair and replacement, as well as safety and environmental consequences that can cost millions of dollars per incident.

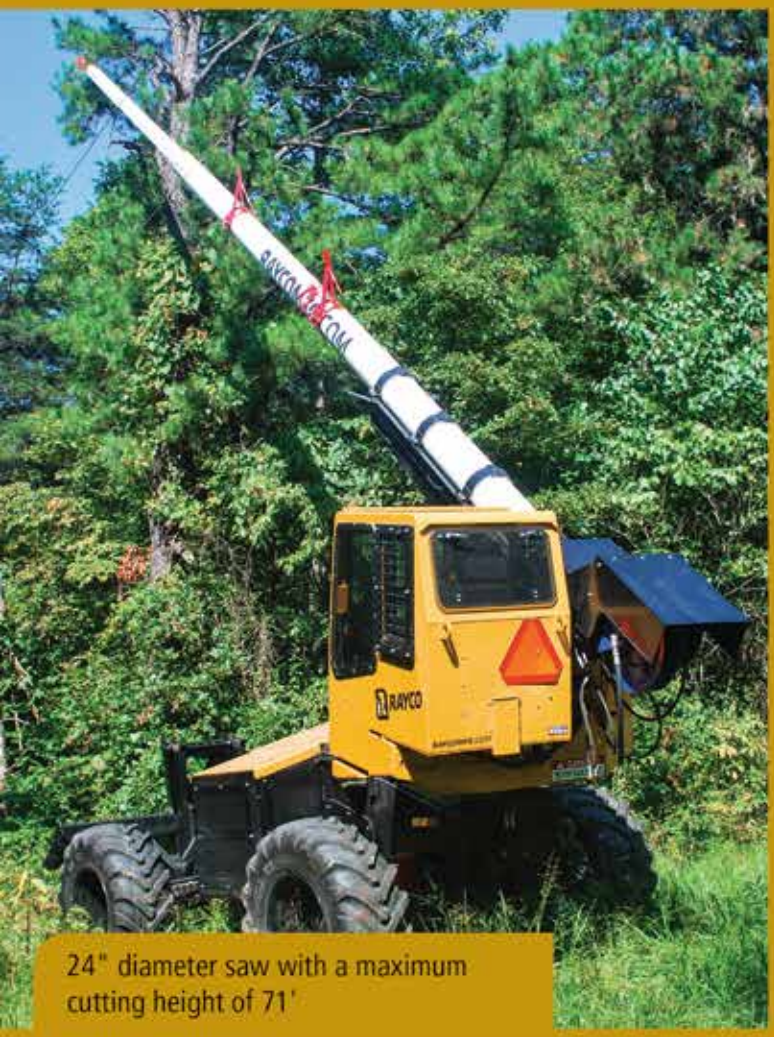
"CUI is the silent killer," explains Merrick Alpert, President of EonCoat. "The insulation creates a terrarium on the steel in which corrosion is guaranteed to occur if traditional coatings are used. And the insulation then hides the corrosion from being detected until it's too late."

Pipe is particularly susceptible to mechanical damage from shipping, installation, or facility operation that may breach traditional coatings and accelerate CUI.

Because of the risk of CUI, a dedicated team is often required to inspect vessels or extensive piping on a virtually continuous basis. However, removing pipe insulation and spot-checking that portion of pipe does not eliminate the risk of CUI along the entire pipe network at the tank farm.

As an alternative that helps to curtail this costly inspection and maintenance cycle, a CBPC coating like EonCoat provides a corrosion barrier that is covered by a ceramic layer that further resists corrosion,

A STRONG LINE
FOR CLEARING LINES



24" diameter saw with a maximum cutting height of 71'

Mulcher models ranging from 99-360 HP

Easily clear vegetation from around power lines and utility poles with our Aerial Trimmer and complete line of Forestry Mulchers and Hydra-Stumpers. With a wealth of Rayco-exclusive features, our machines are built strong for high production, reliability, safety, and operator comfort and control.

Available for SALE or RENT.

Call us at 800.392.2686 or visit us at www.raycomfg.com to locate an authorized dealer near you.

RAYCO

CALL - 800.392.2686 VISIT - RAYCOMFG.COM

water, impact, abrasion, chemicals, fire and high temperatures.

In this way, the ceramic layer provides a tough outer coating that dramatically reduces mechanical damage and any potential breach of the coating.

The CBPC coating's chemical bond further ensures that even if moisture were to get through to the steel due to a gouge, it would travel no farther than the boundaries of the gouge. This quality effectively prevents the hidden spread of corrosion, which is arguably the most insidious aspect of CUI.

Faster Turnaround Time

One of the greatest benefits of the CBPC coating, however, is the rapid return to service that minimizes facility downtime. The time saved on an anti-corrosion coating project with the ceramic coating comes from less surface preparation, the elimination of the intermediate coat and expedited curing time.

EHS Woes? Call the Pros!

The Law Office of Adele L. Abrams PC represents employers in OSHA, MSHA, and environmental litigation nationwide. With offices in the Washington DC area, Denver and WV, we have highly skilled professionals who can assist with citation contests, accident investigations and on-site defense of inspections.

Our attorneys are also certified safety and health professionals and we provide safety and health auditing, program development, and safety & health training services. We offer single source solutions to challenging compliance issues, including control of crystalline silica in the workplace, and other industrial hygiene, training and engineering needs.

301-595-3520 | 303-228-2170

www.safety-law.com

LAW OFFICE OF ADELE L. ABRAMS P.C.

With a typical corrosion coating, near white metal blast cleaning (NACE 2 / SSPC-SP 10) is required to prepare the surface. But with the ceramic coating, only a NACE 3 / SSPC-SP 6 commercial blast is typically necessary.

Furthermore, with traditional coatings, extensive surface preparation is required and done a little at a time to avoid surface oxidation, commonly known as 'flash rust', which then requires re-blasting.

However, with the CBPC coating, the flash rust is no issue. There is no need to 'hold the blast'. The reason for this unique CBPC characteristic is due to the presence of iron in the rust, which helps to create the magnesium iron phosphate alloy layer. It is this alloy layer that allows CBPCs to so effectively protect carbon steel from corrosion.

For traditional 'three part system' coatings utilizing polyurethanes or epoxies, the cure time may also be days or weeks before the next coat can be applied, depending on the product.

In contrast, a corrosion resistant coating for carbon steel utilizing the ceramic coating in a single coat requires almost no curing time. Return to service for tank farms can be achieved in as little as one hour, which can potentially save hundreds of thousands of dollars per day in reduced facility downtime.

Boosting the Bottom Line

For petrochemical tank farms with massive carbon steel structures, corrosion and CUI have been a costly, perennial problem.

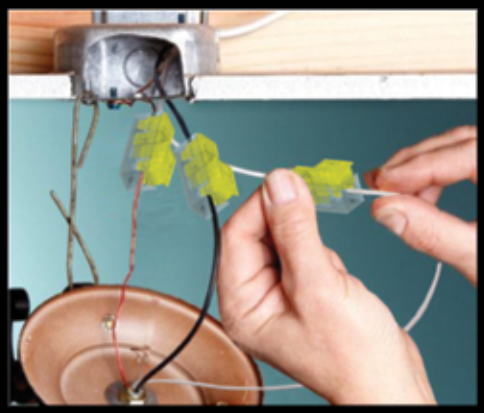
Now, however, by proactively using best in class anti-corrosion products like CBPC coatings, facility managers will be able to deter corrosion and CUI for decades, reduce downtime, and postpone tank and pipe replacement. This will significantly help the bottom line.

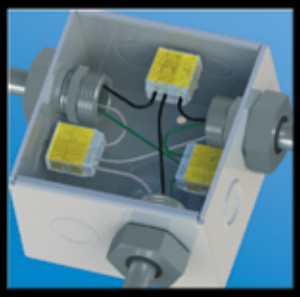
www.eoncoat.com •

THINK™

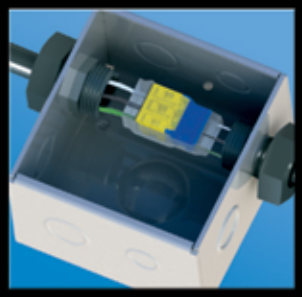
DESIGN SOLUTIONS

... with i-Clamps – Wire Connectors

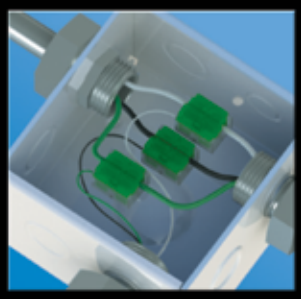




One-Way Series
for splicing several lines together



Two-Way Series
uniquely designed for pre-assembly to add fixtures or components to existing wiring



T-Series
for branching off a common wire run

UL LISTED E490622, E490623

• IDC (Insulation Displacement Connectors) • Easy to use • Quick and reliable connections • Tamper Proof · Designed to withstand shock and vibration • Housing made from durable Polycarbonate • Tin-plated, High Performance, copper alloy contacts • For use with 10-22 AWG insulated wires

IT'S WHAT'S ON THE INSIDE THAT COUNTS

KEYSTONE® ELECTRONICS CORP.

www.keyelco.com • (516) 328-7500 • (800) 221-5510

REQUEST CATALOG M65

800.557.0098 | www.golight.com

Revolutionary Lighting Solutions

GOLIGHT

Durable...Versatile...Powerful...GUARANTEED

LINEMAN
KEEPING OUR LIGHTS ON
GOLIGHT

When the power goes out we know we can rely on our nation's linemen to strap on their boots and march into the elements to get our electrical service back online. More often than not, that means battling wind, rain, snow and ice and doing so in the dark. In those conditions, light that can be dynamically directed where it is needed, when it is needed is an essential tool for safety and productivity. In both emergency situations and day to day operations Golight has proven to be a vital tool in extending work hours and increasing productivity. Golight has been a partner to the men and women who keep our lights on for almost 20 years and we are committed to seeing that relationship grow and develop.

KOOZIES... BANDANNAS... DECALS... Send an email to media@golight.com and let us know you saw our ad in "THE UTILITY SOURCE" and we will send you some Lineman branded merchandise!

Cut Strip Terminate Test

Monitors Live Circuits

P/N TFT100

See beyond the Circuit Breaker

Fault Trapper™

Stop guessing about live circuit issues!

For the first time, gives electricians the ability to monitor and locate faults on a live dedicated circuit. Install the Fault Trapper between the load and the circuit breaker to see:

- *Open, shorts and arc faults on live dedicated circuits*
- *Distance to fault*
- *Elapsed time – know when the fault occurred*

Captures, records and displays information that you've never had before.
Allows unattended monitoring of energized dedicated circuits.

TOP PRODUCTS Electrical 2015

ProStrip

Wire Strippers

These professional wire strippers deliver performance, comfort and consistent, reliable results. The tools can be used left or right handed — wire sizes are marked on both sides.

- *Precision-ground strip nest*
- *Cut and chase threads on 16/32 & 8/32 bolts*
- *Serrated plier nose for gripping, pulling and twisting*

15003C ProStrip 10/20 solid /12-22 stranded
15005C ProStrip 16/30 solid /18-32 stranded

New! HPH J-Hooks

High Performance Hybrid

- *Steel with polypropylene over-mold for easy cable slide*
- *New Snap Lock Retainer firmly secures cables*
- *Sizes 1" to 4" HPH16 (1") HPH32 (2") HPH48 (3") HPH64 (4")*
- *Standard, 90 degree Angled, Batwing*
- *cULus Listed*
- *RoHS & TIA Compliant*
- *Plenum Rated*

Cable Management for Modern Installs

Since 1997, we have provided the finest wire and cable installation tools, connectors and testers. Including cutters, strippers, crimpers, EZ RJ45® CAT5&6 & coax connectors and accessories. Today, we are the first choice for installers that cut, strip, terminate and test. 805.384.2777 ***www.platinumtools.com***

PLATINUM TOOLS®
We Make Connections EZ!

Electrical **Datacom** **Telecom** **Security** **Residential**

Protecting Workers from Injury During Crane Setup

By Kris Koberg

In crane operations, we usually assume the crane is doing all the heavy lifting. But according to an OSHA Safety Tips Sheet developed by the Construction Roundtable of OSHA's Alliance Program, (http://www.workzonesafety.org/files/documents/training/toolbox_talks/osha_alliance/strain_sprain_tips.pdf), improper manual handling of material contributes to many strains and sprains, which make up one-third of non-fatal injuries in construction.

Manual lifting tasks for crane setup often includes handling outrigger pads, crane pads, cribbing, rigging, and tools. It is a good idea to identify existing problems by reviewing injury logs and workers' compensation records. This combined with observing workplace conditions and work processes will help you identify typical risk factors.

During crane setup, those risks might include exerting excessive force, working in awkward postures, or exposing hands to being pinched or caught between items. According to NIOSH in its Simple Solutions, Ergonomics for Construction Workers document (https://www.cdc.gov/niosh/docs/2007-122/pdfs/2007-122.pdf), "Simple changes can make a big difference. Using ergonomic ideas to improve tools, equipment, and jobs reduces workers' contact with those factors that can result in injury."

Protecting backs

In the crane industry, one of the leading causes of workman's comp claims each year are caused by lifting heavy and awkward items such as outrigger pads and cribbing. There's not a straightforward answer to how much weight a person can safely lift, however, the National Institute for Occupational Safety and Health has published recommended weight limits that vary depending on several factors. Those include:

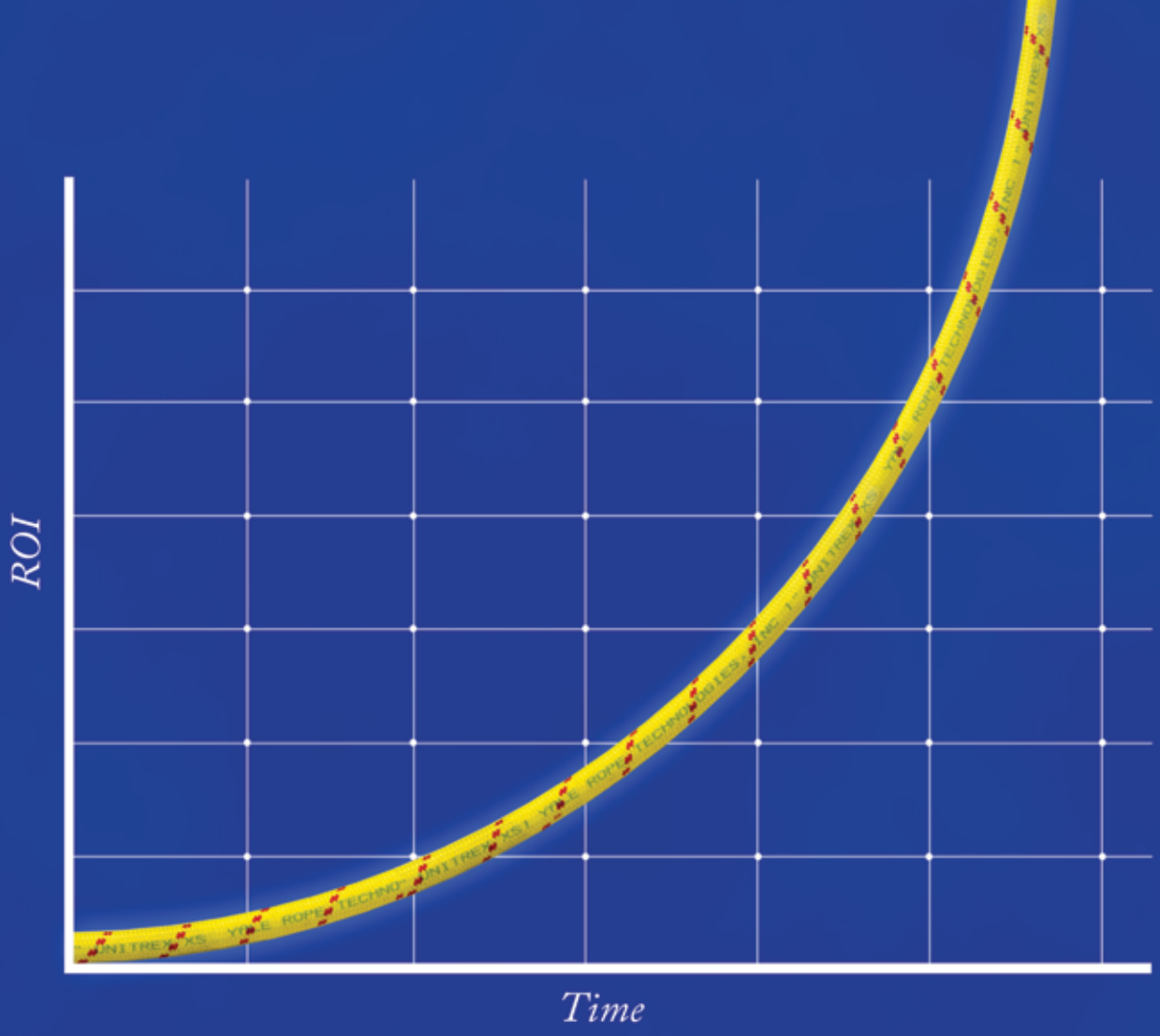
- How far away from the body and how high the object is being lifted
- How far the person must carry the object
- How much body rotation is required to lift and place the object
- How often and how long the object must be lifted

In recognition of this issue, DICA® has focused on designing its products with positive ergonomic features, to minimize both the weight of its products and the amount of lifting necessary when using them. DICA's SafetyTech® Outrigger Pads have received six patents in the U.S. and Canada for the ergonomic features of its pad and handle designs.

Engineered thermoplastic products are typically a more ergonomic alternative to wood outrigger pads. Because of thicknesses required to reduce the chances of physical failure, wood outrigger pads typically weighs more than SafetyTech Outrigger Pads. As a porous organic material, wood pads can nearly double in weight when exposed to moisture and come with other risks such as splinters and finger pinching handles. Due to the environmental impact on wood, wood pads will have a short life span that requires ongoing replacement. Engineered thermoplastic SafetyTech Outrigger Pads are not porous, they will not absorb water or any chemicals, and they will not splinter or break under stress. Recessed ergonomic TuffGrip® Handles and round pad shapes, allow for DICA's pads to be easily be lifted, slid, or rolled into place, reducing the potential for injuries to occur.

Regardless of pad choice, when moving heavy or large objects, workers should use their legs as the primary source of lifting power and not their back. If your pads are round, roll the pads into place by standing the pad on edge, and position yourself to the back or side of the pad, and carefully roll the pad to the intended location. To safely place the pad into position, either lower the pad into place or allow the pad to fall away from you onto its intended location. If dropping the pad in place, verify all personnel are a safe distance away from where the pad will be placed. Once the area is clear, allow the pad to fall away and drop into place. If two workers are lowering the pad in unison, slowly lower the pad by bending at the knees while maintaining a flat back until the pad is positioned.

Larger cranes need larger pads, such as DICA's Fiber-Max® Crane Pads. Movement of larger pads requires



Unitrex XS™ Max Wear. Unmatched performance in the field and in the boardroom.

Electric line stringing is easier and more economical with Unitrex™. Made with a core of Honeywell Spectra®, it is up to 10 times lighter than steel, while delivering comparable strength. The urethane-coated polyester jacket provides excellent abrasion resistance for great productivity that lasts.

To learn more, visit www.yalecordage.com

YALE CORDAGE

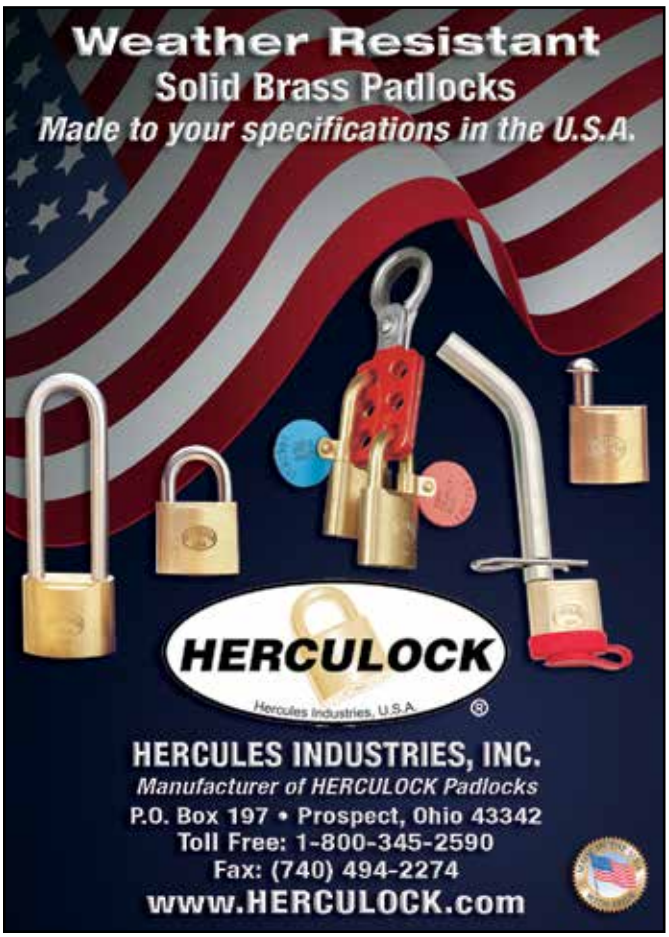
Performance. Passion. Possibilities.

77 Industrial Park Road | Saco, Maine 04072 | p (207) 282-3396, f (207) 282-4620

the use of mechanized lifting equipment. To make the process simple and efficient, DICA offers several rigging hardware options to simplify rigging and material handling. D-Rings are standard on all Mega Duty models, and options such as lifting lugs, Crosby® D-Rings, and a Stack & Pin option secure all four mats together for lifting as a single unit and simplified storage and security on trailers.

Protecting hands

Placement of smaller outrigger pads is primarily a manual task. Protecting workers hands from impact injuries, including broken bones, pinching and bruising, is the intention of many impact-resistant work gloves. Many products designed to be impact-resistant feature Thermoplastic Rubber (TPR) or Thermoplastic Elastomers (TPE) and proprietary foams. However, no standard currently exists regarding glove design. That will change with the expected 2018 release of U.S. voluntary standard ISEA 138. The standard will focus on establishing industry-accepted test criteria to measure the reduction of peak impact force across the hand, and a set of classifications to enable users to select gloves suited to their work environments.



Protecting hands was a primary objective for DICA in developing its Patented TuffGrip® Handle System. TuffGrip Handles minimize finger pinching common to handles that are too rigid. Because TuffGrip Handles are larger in diameter and made from comfortable and strong, yet flexible engineered thermoplastic material they reduce pinching and fatigue often found with rope, cable or chain handles. The recessed TuffGrip Handles on round SafetyTech Outrigger Pads do not extend beyond the perimeter of the pads edge, allowing for safe and easy rolling of the pads. DICA' patented recessed design gives the operator the option of not carrying the pad at all.

Reducing tripping hazards

High-Viz clothing is common worn on job sites, and several standards and OSHA interpretations provide guidance on what construction workers should wear. In the same way, products that might pose tripping hazards are often designed in bright colors and with non-slip surfaces.

All SafetyTech® Outrigger Pads have hi-viability orange handles. In addition, many SafetyTech Pads are available in Hi-Viz yellow and orange to provide a clear visual reminder to think and act safely when setting up equipment on outrigger pads. Hi-Visibility yellow and orange contrasts with the ground more clearly identify the pads as a possible tripping hazard and make them easier for crews to find in low light conditions. FiberMax® Crane Pads are manufactured with Hi-Viz orange frames, corner reflective hazard tape, and Hi-Viz yellow non-slip surfaces.

Read more about how to improve ergonomics in in the work place at: https://www.osha.gov/SLTC/ergonomics/index.html. •

CLEANMOTION
MORE WITH LESS

THE POWER TO BE FIRST.

THE ENERGY TO STAY THERE.

POWER & TECHNOLOGY MADE PRINOTH A LEADER.

PRINOTH's PANTHER tracked vehicles have set the standards for performance, design and quality for all types of power utility applications. We continue to develop, together with power utility industry leaders, the tools to reach, the tools to power.

For more information:
growwithprinoth@prinoth.com

prinoth.com

Prinoth

Unprecedented Power Station Asset Sale Announced

Global advisory and asset management specialist, Gordon Brothers has announced the exceptional sale of major power generation equipment from the UK power station, Seal Sands in Teesside, North East England. This unique sale is unparalleled with in the industry due to the pristine, virtually unused condition of the equipment.

The majority of assets are unused since installation and have received ongoing maintenance to ensure perfect working condition. All assets are available for immediate purchase; major assets can be obtained through private treaty sale direct with Gordon Brothers, whilst general plant equipment can be purchased via an online auction.

The sale comes at a time when demand for sustainable, environmentally friendly power generation is increasing, making these assets a valuable and extremely cost-effective resource.

Assets include:

- Solar Titan 'T130' 17MW Gas Turbine Generator 2014 (2)
- ABB generator AM130 1000LM (2)
- Heat Recovery Steam Generator (2)
- Siemens 20MW Steam Turbine Generator
- Rentech Auxiliary boiler, with Coen Burner Management System
- FS Elliott Polaris Oil free Packaged Air Compressor (2)
- Dale Power Products '1500MME' 1.2MW Diesel Generator with Crestchic Load bank
- Komar 'Z242A' Gasifier Injection Feeder (6)
- 400T Conical Steel Storage Silos and Storage Vessels (4)
- Large Quantity of New Turbine and Plant Spares

A full catalogue of equipment for sale and a video of the power station can be found on the Gordon Brothers website www.gordonbrothers.co.uk/

Gordon Brothers Valuations & Industrial Managing Director, Duncan Ainscough said:

"We are excited to announce the unprecedented sale of major power generation equipment from an 'Energy from Waste' UK power station. The sale presents a unique opportunity for interested parties to purchase predominantly unused power equipment at competitive prices."

The online auction closes on 29th November 2018 while the private treaty sale will remain ongoing.

www.gordonbrothers.co.uk/

DICA®
EST. 1988

Get a Quote

sales@dicausa.com • 800.610.3422
Guthrie Center, IA
See DICAUSA.COM for full product details

DICA Outrigger Pads are Trusted by Operators in 40+ Countries around the World.

FPL · BARNHART · ALL · BECHTEL · CRANE SERVICE INC. · Kiewit · NASA

DICA Outrigger Pads are the Total Package!

Mike Wisnom, NASA Contractor

FAMILY OWNED & OPERATED • CELEBRATING 30 YEARS

Mack Trucks Showcases Pink Mack Anthem® Model for National Breast Cancer Awareness Month

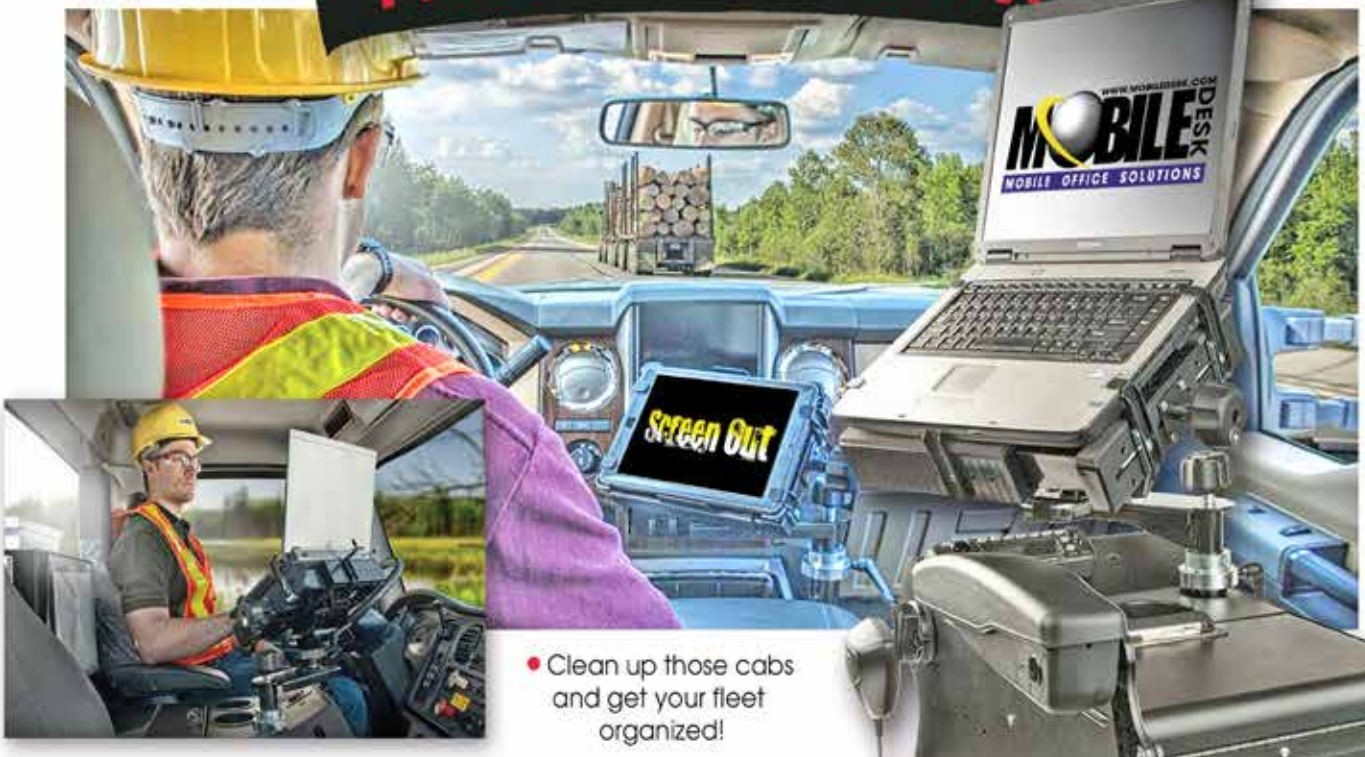
Dedicated to durability, reliability and meeting the needs of customers, Mack Trucks has provided purpose-built transportation solutions for more than a century. Today, Mack is one of North America's largest producers of heavy-duty trucks, and Mack® trucks are sold and serviced through an extensive distribution network in more than 45 countries. Mack trucks, diesel engines and transmissions sold in North America are assembled in the United States. Mack manufacturing locations are certified to the internationally recognized ISO 9001 standard for quality, ISO 14001 standard for environmental management systems and OHSAS 18001 standard for health and safety management systems. Mack is also a proud sponsor of Share the Road, an American Trucking Associations' public information campaign aimed at enhancing the safety of our nation's roadways.

Mack Trucks is part of the Volvo Group, one of the world's leading manufacturers of trucks, buses, construction equipment and marine and industrial engines. The Group also provides complete solutions for financing and service. The Volvo Group, which employs almost 100,000 people, has production facilities in 18 countries and sells its products in more than 190 markets. In 2017 the Volvo Group's sales amounted to about $39 billion. The Volvo Group is a publicly-held company headquartered in Gothenburg, Sweden. Volvo shares are listed on Nasdaq Stockholm. For more information, please visit www.volvogroup.com.

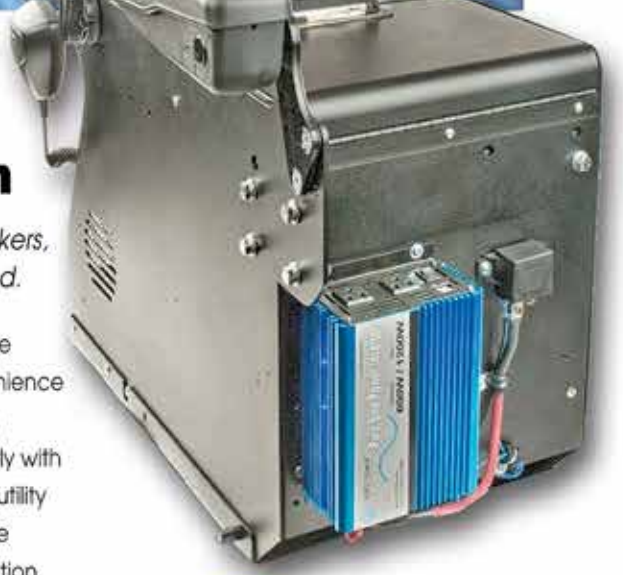
For more information about Mack, visit our website at www.macktrucks.com •

DRIVEN TO DELIVER

THE CONSOLE X



- Clean up those cabs and get your fleet organized!



Your Total Mobile Office Solution

The Truck Console-X combines your Laptop Work Station, Radios, Speakers, Cables, Storage and Cup Holders, No Drill Installation Brackets Included.

The **Truck Console –X** is the latest innovative mobile office solution to join the Mobile Desk brand family of products. This complete control, communication and convenience Utility Truck Console is becoming the new standard for fleets of all sizes. The design of the **Truck Console -X** has originated from our years of experience working directly with the lineman, supervisors, communications, and fleets of some of the most notable utility companies in America. Loaded with standard and optional features that maximize ergonomics, productivity, and fleet/telecom standards into one Mobile Office Solution.

Screen Out SCREEN-DISABLER™
Blanks your screen while you drive!

Our Patented Screen Out App **Stops texting** while driving for all employees on all tablets, laptops and smart phones that run Windows, iOS or Android Operating Systems. **It's that easy!**

877-663-3375 Ext 303. www.screenout.net

Find us on:

MOBILE DESK
MOBILE OFFICE SOLUTIONS

1-877-663-3375

www.mobiledesk.com

©2018 Mobiledesk

Results of the 6th Annual Trailer for a Cause Auction Benefiting MOCA

Felling Trailers, Inc. conducted its sixth annual online auction of an FT-3 drop deck utility trailer to benefit a non-profit organization: Minnesota Ovarian Cancer Alliance (MOCA). The winning bid of $3,400 was placed in the last minutes before the auction closed on Friday, Sept. 21st, 2018. The bid winner was local Sauk Centre business owner Jon Stein, owner of Centre Dairy Equipment & Supply, Inc. Jon's business is located a short distance from Felling's Sauk Centre location where the trailer was on display leading up to the auction. Once Jon saw the teal trailer and the organization it would benefit his mind was set to bid on it. Jon's wife Laurie is an Ovarian Cancer survivor. Laurie was diagnosed in November of 2017, underwent surgery and chemotherapy treatment. "It was a rough winter, but we're doing good now," said Jon. After placing the winning bid, Jon went home to tell Laurie the news. "I didn't even know he was going to bid on the trailer. He said you'll never guess what color it is?, I said teal? I said, oh did you buy it for me and gave him a big hug," said Laurie. Laurie recently had her 3-month check-up, and everything is continuing to look good.

Co-Owners Brenda Jennissen, Felling Trailers, Inc. CEO, Bonnie Radjenovich, Felling Trailers, Inc. VP of HR, & Bid Winners Jon & Laurie Stein, Centre Dairy Equipment & Supply, Inc.

Leading with his heart, this is Jon's second Trailer for a Cause that he has bid on and won. Jon was the bid winner on Felling's inaugural Trailer for a Cause auction in 2013 that benefited Bright Pink, a non-profit organization that focuses on the prevention and early detection of breast and ovarian cancer. "A good friend of the family had breast cancer, so the pink trailer had a lot of meaning for us," said Jon.

The 2018 Trailer for a Cause FT-3 utility trailer was painted in MOCA's signature teal color and dawned the MOCA emblem. Taskmaster Components generously donated the wheels/tires, and PPG Industries donated the custom metallic teal paint for this trailer and cause. Felling Trailers wanted to bring awareness of and support to those individuals who take part in and benefit from the events and services provided by the Minnesota Ovarian Cancer Alliance (MOCA). The online auction ran for seven days, from Saturday, September 15th at 12:00 PM CST thru Friday, September 21st at 12:00 PM CST ending with Stein's winning bid of $3,400. One hundred percent of the $3,400 winning bid benefits Minnesota Ovarian Cancer Alliance.

www.felling.com •

Malta Dynamics, America's Fastest Growing Fall Protection Company, presents the **world's most innovative mobile fall protection system**...

THE GRABBER®

NO MATTER THE INDUSTRY, YOU'RE SAFE WITH US.
MALTA DYNAMICS
CUSTOMER INSPIRED. SOLUTIONS BORNE.
www.MaltaDynamics.com

The Grabber® Mobile Fall Protection System X1250 picks up where the X1240 leaves off by providing more height and reach with a 5' telescoping mast with a single user anchor point. The Grabber® **meets OSHA fall protection codes and ANSI Z359.6 design requirements** for fall arrest systems, and has been validated by an independent 3rd party ISO 17025 testing laboratory. The versatile Grabber® is designed to be used in either fall arrest or fall restraint and features a one-of-a kind adjustable mast that can be positioned anywhere between 2' and the **unprecedented maximum height of 34'**.

Visit us online to see our full offering of PPE products.
www.MaltaDynamics.com

Self-Retracting Lifelines & Lanyards

Full Body Construction Harnesses

Concrete Anchors

Beam Walkers

SAFETY ISHN

ISHN

ANSI ANSI Z359.6

OSHA COMPLIANT

Highway Rated
Follow All Posted Signs

SCAN: Find videos, manuals, and more about this product on our website.

MALTA DYNAMICS

MaltaDynamics.com // (800) 494-1840

Visit us online or give us a call today to request our catalog.

Stanley® Assembly Technologies Introduces High-Speed Cordless Nutrunner Powered by DEWALT® FLEXVOLT® Battery

60-volt B33L is the fastest cordless torque tool available for precision assembly applications

Stanley Assembly Technologies, a brand of Stanley Engineered Fastening, is extending its B-Series cordless torque tool product line to include the B33L angle-lever cordless nutrunner. Powered by a 60-volt DEWALT® FLEXVOLT™ battery, the B33L has an impressive torque range of 2.8 to 95 Nm, making it the fastest cordless precision fastening tool on the market.

"The B33L is the powerhouse of the B-Series tool line thanks to the proven FLEXVOLT battery technology developed by DEWALT — another brand in the Stanley Black & Decker portfolio," said Thomas Ehrhardt, president of the global automotive division at Stanley Engineered Fastening. "The FLEXVOLT has 180 watt-hours of run time — that's equivalent to 80 percent more energy per battery than competitive cordless precision fastening tools*."

Driven by a high-efficiency brushless motor, the B33L is built to withstand high-cycle assembly fastening applications. To ensure the threaded fasteners are correctly installed, the B33L sends the operator audible and visible feedback. It notifies the user when it's ready to cycle, confirms the threaded fastener tightens to the desired specification and triggers an alert if an error occurs.

The B33L has a built-in controller with wireless capability. This allows seamless integration with the plant's existing communications system. The tool can also store data for up to 500 fastening cycles and two trace sequences to verify fasteners were securely installed during the assembly application.

Available in 3/8- and 1/2-inch square drives, the B33L is ergonomically-designed to balance the operator's weight, speed and power needs. The cordless tool gives operators the freedom and flexibility to install threaded fasteners in automotive, truck and trailer, agricultural, and recreational vehicle assembly applications.

"The speed, freedom and flexibility of the B33L cordless nutrunner allows operators to complete assembly projects quickly and accurately, helping to increase the quality and throughput of a manufacturing facility's assembly line," said Deanna Postlethwaite, director of global product management at Stanley Assembly Technologies. "Stanley Assembly Technologies also offers B-Series fastening tools for applications that require the same cordless freedom but less torque."

The B33L is the latest addition to the B-Series cordless tool product line, which includes the lightweight B12P pistol and push-to-start pistol, B12L angle-lever tool and in-line tool, and B23L angle-lever tool. To learn more about the B33L and B-Series cordless fastening tool product line, contact SATInfo@sbdinc.com or visit stanleyassemblytechnologies.com.

*Claim is based on the published battery capacity of the Ingersoll Rand 40V Max, 2.5 Ah cordless battery which generates 100 watt-hours per charge.

www.stanleyengineeredfastening.com •

SALE

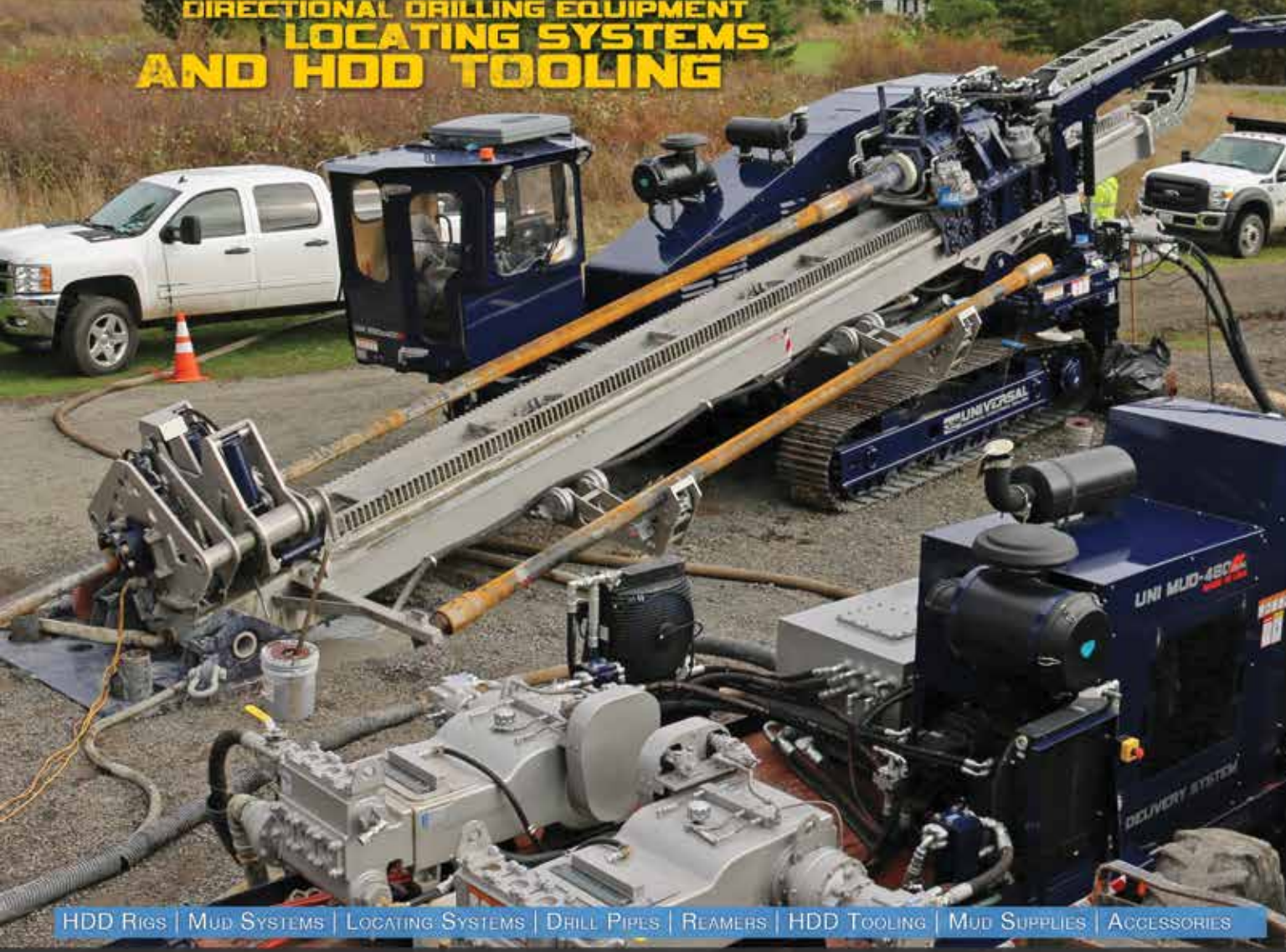
UNIVERSAL
HORIZONTAL DIRECTIONAL DRILLING

REAMERS, SONDE HOUSINGS, AND DRILL BITS

DRILL PIPES

MUD SYSTEMS

FULL LINE OF
CUSTOM HDD RIGS
DIRECTIONAL DRILLING EQUIPMENT
LOCATING SYSTEMS
AND HDD TOOLING



HDD Rigs | Mud Systems | Locating Systems | Drill Pipes | Reamers | HDD Tooling | Mud Supplies | Accessories

1221 FLEX CT, LAKE ZURICH, IL USA | TEL: 847-955-0050 | WEB: WWW.UNIHDD.COM | EMAIL: INFO@UNIHDD.COM

BURNDY® Announces Nest/Indentor Tooling Expansion and Introduces UNISPLICE™ Type YDS-RLNI

BURNDY®, a leading manufacturer and provider of compression connector solutions to the industrial, energy, construction, telecommunications, petrochemical, data center, and transportation industries, is proud to announce that the Type YDS-RL UNISPLICE single sleeve full tension splices can now be installed with the reliable 644 Series and recently introduced PAT444S Series family of nest and indentor tools. Dies are no longer needed to achieve full tension performance in overhead utility applications. In addition to the tool expansion, BURNDY is introducing a new line of UNISPLICE connectors, Type YDS-RLNI, that provide markings and knurls specific to the new tool offering.

Line workers now have the option of installing full tension overhead splices with their existing tools and die combination or with the choice of the tried and true 644 Series latch head design or the new PAT444S Series C-head design. The nest/indentor tools require fewer crimps to install, which reduces installation time and makes them ideal for storm restoration and every day applications. In addition, the resulting connection still utilizes compression technology, which reduces water ingress that may reduce the life of the connection.

Because the existing UNISPLICE line contains markings designed for dies, we have introduced the YDS-RLNI connector line that is designed specifically for the 644 and PAT444S tool platforms to facilitate training new users.

The tooling expansion and new connector line now allows line workers to use only one tool with no dies to crimp from #4 ACSR to 556 (18/1) ACSR.

www.BURNDY.com •

BURNDY® Announces Y10 Series Stripper/Cutter Hand Tools for Copper/Aluminum #22-#10 AWG

BURNDY® Y10 Stripper/Cutter series of hand tools consists of Y101300C cable tie and wire cutting tool and Y101400SC, which is a wire stripping and cutting tool for use on soft metal wires; copper and aluminum ranging from #22 - #10 AWG.

Ergonomically designed, these tools provide custom-designed jaws that eliminate accidental damage to bundles of wire or cables. The high quality heat-treated steel alloy blades provide a crisp cut. Additionally, both tools feature comfort fit, cushioned handles and scissor-action along with auto spring that works with your hand's national contraction motion, helping to reduce user fatigue.

About BURNDY®

Headquartered in Manchester, New Hampshire, BURNDY® has more than 90 years of dedicated customer support in both service and product. Our customers need to look no further than BURNDY® for all their connector, tool, and accessory needs. BURNDY® is the only manufacturer to have the BURNDY® Engineered System of coordinating dies, connectors and tools. The three elements have been specifically designed to work together and engineered to meet stringent, accepted quality standards allowing the user complete confidence in the integrity of the connection.

www.BURNDY.com •

WE'VE GOT YOU COVERED

PLATINUM WHEN YOU WORK. IT WORKS.

No other brand on the market will work harder to preserve your vision and protect your eyes, while providing ultimate fit and comfort. CSP technology's ability to perform in indoor to outdoor environments and in hot to cold conditions is combined with the exclusive PLATINUM® coating to substantially combat fogging and provide permanent visual comfort from a single pair of glasses.

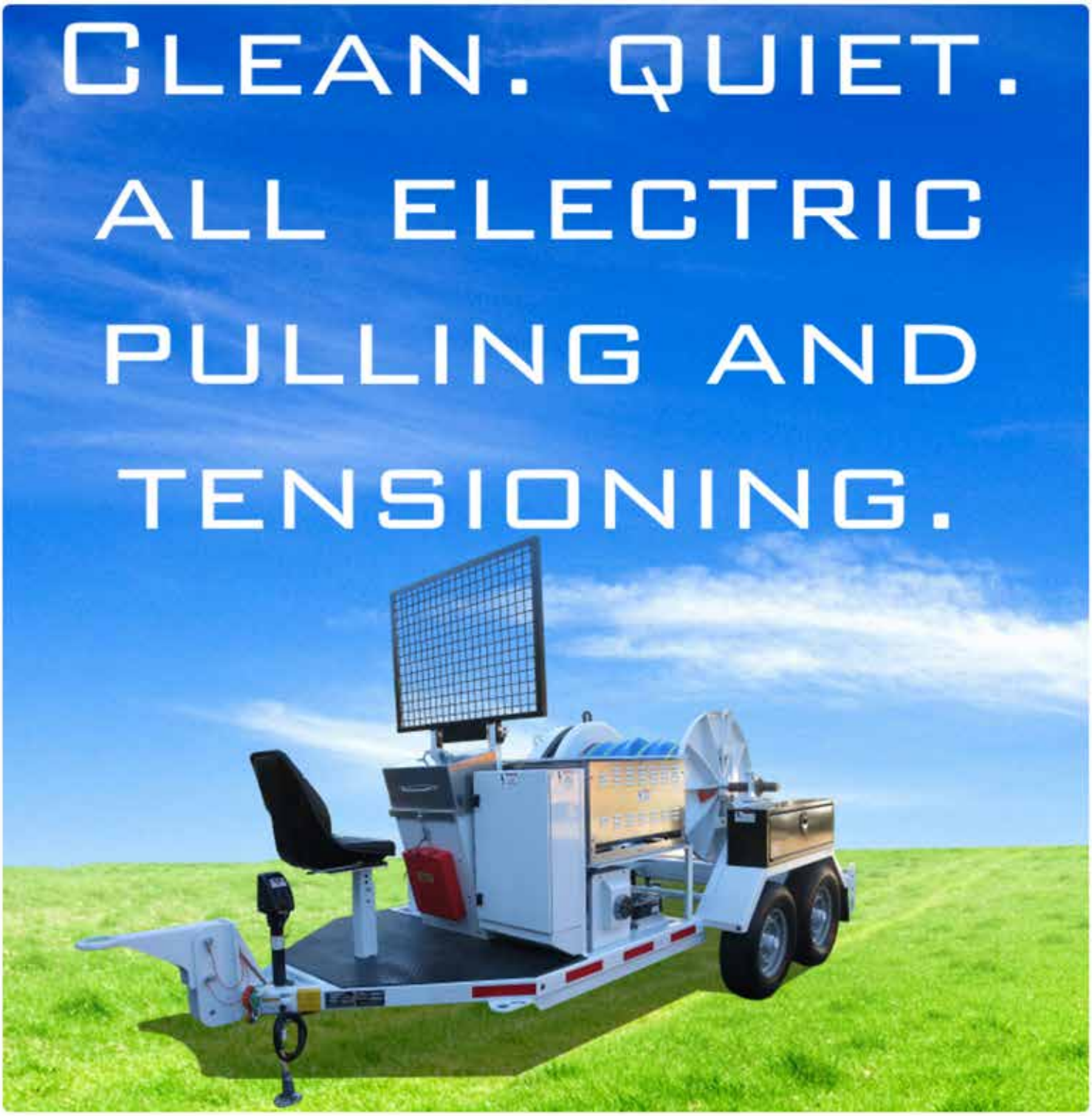
800-262-7306
bollesafety-usa.com

bollé SAFETY

TUS AD INDEX

Company	Pg.	Website
Adele Abrams	12	www.safety-law.com
Bolle Safety	31	www.bollesafety-usa.com
Buccaneer Rope	18	www.bucrope.com
DICA	23	www.dicausa.com
Emars Inc.	32	www.emarsinc.com
Golight	14	www.golight.com
Greaves	IFC	www.greaves-usa.com
Herculock	20	www.herculock.com
Hogg & Davis	3	www.hoggdavis.com
Keystone Electronics	13	www.keyelco.com
Krenz Vent	2	www.krenzvent.com
Malta Dynamics	27	www.maltadynamics.com
Morooka	1	www.morookacarriers.com
Mobile Desk Solutions	25	www.mobiledesk.com
MSA Safety	BC	www.msasafety.com
Nesco	5	www.nescorentals.com
Platinum Tools	15	www.platinumtools.com
Prinoth	21	www.prinoth.com
Rayco	11	www.raycomfg.com
Ring Power	6	www.ringpower.com
Terex	7	www.terex.com
Trencor	4	www.trencor.com
TSE	IBC	www.tse-international.com
Universal Horizontal Directional Drilling	29	www.unihdd.com
Yale Cordage	19	www.yalecordage.com

GREENMACHINE



THE NEWLY DESIGNED DPT40E IS POWERED BY A REGENERATIVE ELECTRIC MOTOR, ELIMINATING THE NEED FOR DIESEL AND HYDRAULIC OIL.

FOR SALES INQUIRIES, PLEASE EMAIL US AT SALES@TSE-INTERNATIONAL.COM

U.S. PATENT NOS. 8,322,689 B2 AND 9,178,340 B2

TSE INTERNATIONAL, INC.
1-800-825-2402

You need more than just equipment.
You need a safety solution.

You work hard and have the courage and commitment to take on the biggest challenges. The job can be dangerous and we know you depend on not just your equipment, but on a company offering complete solutions including safety evaluations, products selection, training, and expertise. A customer-focused company that has your back and gives you the confidence to do your job safely— ***MSA is that company.***

To learn more about MSA's complete line of safety solutions or request a FREE, no obligation safety evaluation, visit ***MSAsafety.com/safetyevaluation.***

WE KNOW WHAT'S AT STAKE.

MSA
The Safety Company