



# PARTICIPANT BROCHURE

 **JANUARY 28-30, 2025**

**BISMARCK EVENT CENTER  
315 S 5TH STREET, BISMARCK, ND**



Energy Progress & Innovation Conference

[ndepic.com](http://ndepic.com)

# WELCOME



## Dear Participants,

Welcome to the 2025 Energy Progress and Innovation Conference! On behalf of the planning committee, it is my honor to extend a warm welcome to each of you, whether you are joining us for the first time or returning as a valued participant. This conference continues to be a cornerstone for collaboration, learning, and innovation within the energy industry, and we are thrilled to have you here in Bismarck, where energy professionals, innovators, and leaders converge to help shape the future.

As we mark the 46th consecutive year of this conference, this year promises to be our most dynamic yet. It will feature a wide array of sessions that will offer everything from the latest industry technologies and product innovations to opportunities for professional development and growth. Our conference mission to energize industry and individuals in a competitive market through education, technology, and networking will provide participants with opportunities to bring new knowledge and fresh ideas back to their facilities and peers.

This year, we are proud to feature two dynamic keynote speakers whose insights will inspire and challenge us to think differently. First, Manley Fineberg will present "Vertical Lessons," drawing on his incredible experiences as a mountaineer and business leader to share strategies for navigating change, leading with purpose,

and achieving peak performance. His gripping stories and practical insights are sure to resonate with all of us. Additionally, we are excited to welcome Shawn Riley, who will present "The World Will Never Change This Slowly Again," a fascinating look at groundbreaking blockchain applications in the energy sector. Shawn's expertise in harnessing digital transformation will offer valuable perspectives on how innovation can drive efficiency and sustainability.

I would also like to take this opportunity to express our gratitude to our vendors. Your participation and ongoing support are essential to the success of this conference. The solutions and innovations you bring provide crucial resources and expertise to our attendees, and we greatly appreciate your commitment to advancing our shared goals.

As you engage with your peers, attend sessions, and explore new technologies, I encourage you to take advantage of the networking opportunities throughout the conference. And do not forget to join us for Casino Night, an evening of fun and connection at the Bismarck Radisson Hotel. It promises to be a memorable event!

Thank you for being part of this year's Energy Progress and Innovation Conference. Let's continue to push boundaries and shape the future of energy together.

**Matt Lund**  
2025 Conference Chair  
Montana-Dakota Utilities Co.

Don't wait to register!



[ndepic.com/register](https://ndepic.com/register)

## 2025 EPIC REGISTRATION DETAILS

### CONFERENCE COST

The registration fees below include all breaks, lunches, social activities (Tuesday Exhibitor Showcase Social, daily ice cream socials, and Casino Night Wednesday), as well as the opportunity to participate in our Grand Prize Punch Card activity (with a \$2,000 travel package given away at the end of each day).

- Early Bird Registration:
  - 1 Day (Wed or Thur) \$75 through Wed. January 8, 2025
  - 2 Days (Wed & Thur) \$150 through Wed. January 8, 2025
- Beginning January 9, 2025 and Onsite:
  - 1 Day (Wed or Thur) \$150 January 9 - January 30 (at 4:00 pm CT)
  - 2 Days (Wed & Thur) \$250 January 9 - January 30 (at 4:00 pm CT)
- Additional Exhibit Booth Rep: \$175 (2 days) through January 8; \$300 January 9 - 30 (at 4 pm CT)

### CANCELLATION POLICY

There will be a 50% per person fee for cancellations received on or before Friday, January 17, 2025. Substitutions or name changes can also be made through by emailing [bsc.training@bismarckstate.edu](mailto:bsc.training@bismarckstate.edu) through Friday, January 17, 2025.

### SOCIAL EVENTS ————— Casino Night - NEW LOCATION!

- Be sure to join us for the Exhibitor Showcase Social at the Event Center Exhibit Hall on Tuesday, January 28, 2025, from 4:30 to 6:00 pm.
- On Wednesday, join us for an afternoon networking reception. We'll have appetizers and a cash bar in the Exhibit Hall! The reception will run from 4:30 pm - 5:30 pm.
- Wrap up your Wednesday with Casino Night - our popular wheel and deal evening at the **Radisson Hotel Bismarck**. Festivities kick off at 6:30 pm and run until 10:00 pm. Great door prizes and games make Casino Night a must attend event!

### BULK REGISTRATION

If your organization plans to register 5 or more participants, let us know! Group registration or "bulk" registration may be an option to help speed up your registration process.



If you have any questions, please call our office at **701-224-5600** or **877-846-9387**.

### PRE-REGISTRATION IS ONLINE ONLY

Please note: We are part of the North Dakota University System, so many of the terms used on the registration site refer to "student." This term encompasses vendors, exhibitors, companies and participants as well.

You will be required to create a student account. You will use this account anytime you wish to register for a BSC coordinated event in the future. If you have registered with us before and cannot remember your username, call 701-224-5600 (1-877-846-9387) and our staff would be happy to help you! If you know your username but not your password, click **Forgot Your Password?**

Please note that due to increased system security and PCI compliance, we are no longer able to access your passwords in our registration system. If you are not able to access your account, please reset your password through the "Forgot your Password" link on the profile sign-in page.

To guide you through this new process, step-by-step instructions will be available on the EPIC website **[ndepic.com/register](https://ndepic.com/register)** or by scanning the QR code below.

Participants that do not register prior to arriving on site will also use the online system to complete this process when they arrive at the conference.

See page 4 for Professional Development Pre-Conference sessions!

# AFTERNOON KEYNOTE: EXHIBIT HALL A

## VERTICAL LESSONS

Wednesday, January 29 – 8:30 am – 9:30 am  
Thursday, January 30 – 2:15 pm - 3:30 pm



**Manley Feinberg**  
Vertical Lessons

*This dynamic keynote inspires participants to step up in a new way to overcome resistance and reach higher than ever by cultivating Exponential Commitment in themselves and those around them. Participants will learn essential Vertical Lessons for deepening their commitment, building momentum, and achieving breakthroughs in even the most challenging circumstances.*

Through gripping keynotes and Vertical Experiences, Manley helps individuals and teams build **Breakthrough Momentum™** to Step Up and Reach Your Next Summit. In fact, he wrote a book titled, *Reaching Your Next Summit! 9 Vertical Lessons for Leading with More Impact.*

During Manley's eleven years with Build-A-Bear Workshop, his leadership direction helped take the revolutionary retail concept from 42 stores to 425 worldwide, realizing revenue growth from 55 million to over 474 million, and a successful IPO on the NYSE. He built an award-winning reputation for implementing business solutions and support that produced measurable results every day. Manley's leadership influence contributed to a workplace culture that landed Build-A-Bear on the FORTUNE 100 Best Companies to Work For® List four years in a row.

Manley Feinberg is an award-winning international keynote speaker and best-selling author. In 1995, he started Vertical Lessons. He works with organizations who want to align their teams around a shared mission to create Exponential Commitment™ throughout their organization, customers and clients.

Using stories from his vibrant life-on-the-edge personal experiences, Manley weaves together lessons he has learned from the Vertical and business worlds and creates actionable lessons that help inspire others to show up, speak up and step up with renewed energy and focus.

## THE WORLD WILL NEVER CHANGE THIS SLOWLY AGAIN

Wednesday, January 29 – 3:30 pm – 4:30 pm  
Thursday, January 30 – 8:30 am – 9:30 am



**Shawn Riley**  
BisBlox

*Artificial intelligence, autonomy, bio hacking, quantum computing, robotics and everything else is changing. Shawn Riley will address future innovations in the world and how everything around us is moving faster and faster.*

*This is forcing us to think differently about how we live, how we work, and how we relate to the world around us.*

This has included roles as Chief Executive Officer, Chief Information Officer, Chief Technology Officer and Information Management Officer. In 2017, Shawn was appointed by Governor Doug Burgum to serve as North Dakota's Chief Information Officer and cabinet member.

Today, Shawn serves as the co-CEO of Bisblox, a venture studio, building and enabling companies around the world to be bold, disrupt boring, and strengthen growth while advancing a vision that asks, "How might we help others succeed?"

A lifelong technologist and entrepreneur, Shawn Riley started his first company at the age of 16. He worked as a thought leader for companies like IBM and the Mayo Clinic. His career has included massive change and transformation initiatives spanning multi-billion-dollar organizations.

## MISSION STATEMENT

*Energize industry and individuals in a competitive market through education, technology, and networking.*

# 2025 EPIC PRE-CONFERENCE SESSIONS

## 100 CHALLENGING NEC QUESTIONS BASED ON 2023 NEC

**Speaker:** Tim Pull, TJP Electrical Training

**Date:** Tuesday, January 28, 2025

**Time:** 8:00 am - 4:30 pm

**Fee:** \$195

This 8-hour course will go through 100 challenging NEC questions based on the 2023 NEC. Attendees will receive a booklet with 100 multiple-choice questions to answer. The questions will be taken from a variety of NEC articles including grounding, motors, transformers, calculations and others. Questions will cover residential, commercial, and industrial environments. Rather than spend 8 hours on one topic, the questions will cover a variety of topics. In addition, some electrical theory will also be discussed to put the code rules into context. *The class qualifies for 8 hours of CEU's in ND, MN, SD, and MT.*

## CRUCIAL CONVERSATIONS

**Speaker:** Kristi Pfliger-Keller, Bismarck State College, TrainND Southwest

**Date:** Tuesday, January 28, 2025

**Time:** 8:30 am - 11:30 am

**Fee:** \$195

Many communication problems are caused by how people behave when they disagree with others. We often try to avoid these conversations because we are afraid matters will just get worse. In fact, avoidance itself makes things worse. This workshop will explore the core principles of an effective and results-driven conversation. Participants will enhance their conflict management abilities in both personal and professional conversations.

## I&E AREA CLASSIFICATIONS, BASICS OF BIOHAZARDOUS LOCATION RATINGS, IP RATINGS, CLASS DIV AND GROUP RATING

**Speaker:** Kurt Schulz & Adam Huotari, Eaton Crouse-Hinds

**Date:** Tuesday, January 28, 2025

**Time:** 8:00 am - 2:00 pm

**Fee:** \$190

In this workshop, we'll explore I&E (Instrumentation and Electrical) area classifications, which help define environments where hazardous materials like gases, dust, or fibers may be present, and how these classifications guide equipment safety. We'll also cover biohazardous location ratings, ensuring safe practices in areas with biological hazards to protect both personnel and equipment. Additionally, we'll dive into IP (Ingress Protection) ratings, along with Class, Division, and Group ratings, which provide essential guidelines for safeguarding equipment from environmental risks such as dust, water, and explosive atmospheres.

## AI TOOLS FOR ENERGY INNOVATION: PRACTICAL APPLICATIONS FOR TEAMS AND BEYOND

**Speaker:** Lisa Gusewelle, Teachology

**Date:** Tuesday, January 28, 2025

**Time:** 8:00 am - 11:30 am

**Fee:** \$195

Explore how AI technologies are driving innovation in the energy sector. This session covers ChatGPT for improving communication and decision-making, Spinach for optimizing Agile workflows, and machine learning tools like PyTorch and Caffe for data-driven processes. Learn about Artemis, UVEye's tire inspection AI, and how Edge Impulse detects visual anomalies in inspections, enhancing accuracy. We'll also introduce CYTK, an AI-powered app providing instant repair information. Join us for insights into AI's role in shaping the future of energy innovation.

## CYBERSECURITY RESILIENCY IN INDUSTRIAL CONTROL SYSTEMS

**Speaker:** Michael Slack, Norwich University Applied Research Institutes (NUARI)

**Date:** Tuesday, January 28, 2025

**Time:** 8:00 am - 4:30 pm

**Fee:** \$75

This course introduces cybersecurity resiliency for industrial control systems (ICS), and operational technology (OT) networks. We will discuss the Internet of Things (IoT), vulnerabilities to cyber attack within ICS, methods of detecting and responding to incidents in OT as well as tips for mitigation.

Upon completion of this course, participants will be able to:

- Describe the Internet of Things (DDControl Systems (ICS), and describe how they are integrated into critical infrastructure integrated into critical infrastructure
- Identify the threat landscape for ICS
- Identify mitigation techniques for cyber threats to ICS
- Identify how to detect cyber attacks and vulnerabilities on ICS
- Recognize how to respond to and recover from cyber attacks on ICS

## POWERING PROGRESS: INTEGRATING CREATIVITY INTO ENERGY INDUSTRY INNOVATION

**Speaker:** Karin Anne Davis, Pink Pigs Fly

**Date:** Tuesday, January 28, 2025

**Time:** 1:00 pm - 4:30 pm

**Fee:** \$195

In the energy sector, the spark that drives true innovation isn't just technology—it's creativity. This workshop uncovers the Eight Pillars of Creative Organizations™, a transformative framework that infuses creativity into every level of your organization, fueling progress and breakthrough innovations while addressing critical industry challenges like sustainability and reaching ESG goals.

Participants will discover how to cultivate a creative mindset that sparks continuous improvement and build teams that collaborate across silos. We'll dive into creative thinking skills and processes designed to turn challenges into opportunities, ensuring your organization leads rather than follows industry shifts. This interactive session features hands-on exercises, group discussions, and case studies tailored specifically for the energy sector. You'll apply creative problem-solving techniques to real-world scenarios, walking away with actionable strategies you can implement immediately.

Whether you're in operations, engineering, IT, or leadership, this workshop equips you with the tools to harness creativity, optimize innovation, and stay ahead in a fiercely competitive market. By embedding the Eight Pillars™ into your organizational culture, you'll drive innovation, boost productivity, and secure lasting success.

## PRACTICAL IMPACTS OF THE PART 60 AND PART 75 CEMS REQUIREMENT

**Speaker:** Steve Norfleet, Agora Environmental

**Date:** Tuesday, January 28, 2025

**Time:** 8:00 am - 4:00 pm

**Fee:** \$495

A strong grasp of emissions regulations is essential when using continuous emissions monitoring systems (CEMS) to demonstrate environmental compliance. Adherence to QA/QC requirements under Parts 60 and 75 and periodic maintenance are important to perform properly to minimize analyzer out-of-control periods and downtime. The types of test and acceptance criteria needed to validate CEMS data and information that must be reported varies depending on the applicable rules and measured pollutants. Staying updated on recent changes, like the MATS and GHG rule revisions, enables facilities to align with the evolving standards and adjust their monitoring and compliance strategies accordingly. The course will focus on the practical impacts of the Part 60 and Part 75 CEMS requirement with special attention on the CEMS QA/QC and reporting requirements under the various rules and various recent revisions that you may need to address.



Scan to visit our registration site for Pre-Conference sessions!

Registration closes January 23, 2025.

[bit.ly/24EpicPreConference](http://bit.ly/24EpicPreConference)

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## HOTEL ACCOMMODATIONS

**Americas Best Value Inn & Suites**  
1505 Interchange Ave, Bismarck, ND  
(701) 223-8060

**Baymont Inn & Suites**  
2611 Old Red Trail, Mandan, ND  
(701) 663-7401

**Best Western Roosevelt Place Hotel**  
1405 Skyline Way, Bismarck, ND  
(701) 751-2550

**Bismarck Hotel & Conference Center**  
800 S 3rd Street - Bismarck, ND  
(701) 660-8063

**Candlewood Suites**  
4400 Skyline Crossing, Bismarck, ND  
(701) 751-8900

**Comfort Inn & Suites Mandan**  
1516 - 27th Street NW, Mandan, ND  
(701) 751-7484

**Courtyard by Marriott**  
3319 N. 14th Street, Bismarck, ND  
(701) 223-6667

**EverSpring Inn & Suites**  
200 Bismarck Expressway, Bismarck, ND  
(701) 222-2900

**Fairfield Inn & Suites North**  
1120 E. Century, Bismarck, ND  
(701) 223-9077

**Fairfield Inn & Suites South**  
135 Ivy Ave, Bismarck, ND  
(701) 223-9293

**Holiday Inn of Bismarck**  
3903 State Street, Bismarck, ND  
(701) 751-8240

**Radisson Hotel Bismarck**  
605 E Broadway Ave, Bismarck, ND  
(701) 712-6475

**Ramada Bismarck Hotel**  
1400 E Interchange Ave, Bismarck, ND  
(701) 258-7000

**Residence Inn Bismarck North**  
3421 N. 14th Street, Bismarck, ND  
(701) 258-6088

**Staybridge Suites**  
2801 Gateway Ave, Bismarck, ND  
(701) 223-1499

# SCHEDULE AT A GLANCE

## Wednesday Morning - January 29, 2025

8:30 - 9:30 am	
<b>Keynote Speaker</b>	<b>Vertical Lessons</b>
<i>Exhibit Hall A</i>	<i>Manley Feinberg, Vertical Lessons</i>
<i>Vendor/Networking Time - 7:00 am - 4:30 pm (closed during General/Keynote Sessions)</i>	
Room	10:00 am - 10:50 am
<i>Prairie Rose Rm 103</i>	<b>Crucial Conversations</b> <i>Kristi Pfliger-Keller, Bismarck State College, TrainND SW</i>
<i>Prairie Rose Rm 104</i>	<b>Trends in the Power Industry</b> <i>Chuck Nordhausen, Kiewit</i>
<i>Cottonwood/Birch Room</i>	<b>3M Electrical - MV</b> <i>Tom Kastner, 3M</i>
<i>Maple Room</i>	<b>Low Emissions Valve Packing Best Practices</b> <i>Virgil Clary, Chesterton</i>
<i>Spruce Room</i>	<b>Harsh and Hazardous Areas: Classification, Installation, and Maintenance</b> <i>Kurt Schulz &amp; Adam Huotari, Eaton Crouse-Hinds</i>
<i>Prairie Rose Rm 101</i>	<b>Connecting Talent: Strategies for Local, National, and Global Workforce Attraction</b> <i>Paige Kuntz, ND Dept. of Commerce</i>
<i>Prairie Rose Rm 102</i>	<b>Fueling Progress: Unleashing Your Creative Potential</b> <i>Karin Davis, Pink Pigs Fly</i>
<i>Prairie Rose Rm 102</i>	<b>Mental Health First Aid &amp; Passing Through the Storm</b> <i>Dennis Snodgrass - North Dakota Safety Council</i>
<i>Oak Room</i>	<b>Welding Aluminum</b> <i>Leland Vetter, Weld Inspection Services</i>
<i>Maple Room</i>	<b>Types of Iron and Steel and their Classifications</b> <i>Leland Vetter, Weld Inspection Services</i>
<i>Linden Room</i>	<b>Submersible Pump Motor Protection, Maintenance, and Sump Management</b> <i>Joe Ranieri, Tsurumi/PGM</i>
<i>Pine Room</i>	<b>Machinery Safety Strategies and Solutions</b> <i>Tom Steffen, Rockwell Automation</i>
<i>Pine Room</i>	<b>Particulate Matter CEMS - Technology and Quality Assurance Requirements</b> <i>Jeremy Johnson, Alliance Technical Group</i>



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**guidebook**



Get started at: <https://builder.guidebook.com/g/epic25/>

Tap "Download the app" to access the guide on your iOS and Android device - or just scan the QR Code here!

### Wednesday Afternoon - January 29, 2025

Room	1:00 pm - 1:50 pm	2:00 pm - 2:50 pm
Prairie Rose Rm 101	<b>Cerilon GTL ND Project Overview and Strategic Importance for North Dakota</b> <i>Cerilon</i>	
Prairie Rose Rm 102	<b>Increasing Your Impact &amp; Influence With TRUST</b> <i>Kevin Müller, ITCB Consulting</i>	<b>GEM Zone Effect: How To Unleash Your Superpower</b> <i>Kevin Müller, ITCB Consulting</i>
Prairie Rose Rm 103	<b>Lubrication and Reliability</b> <i>Darrell Bailey, Calumet</i>	
Prairie Rose Rm 104	<b>Considerations for Internet of Things Security</b> <i>Michael Slack, Norwich University Applied Research Institutes (NUARI)</i>	<b>Bridging the IT and OT Cybersecurity Divide</b> <i>Matt Mitzel, Minnkota Power</i>
Prairie Rose Rm 105	<b>Regulatory and Legal Challenges Facing the Lignite Industry</b> <i>Moderator: Jonathan Fortner, LEC</i>	
Cottonwood/Birch Room	<b>7-Steps to Developing an Effective Employee Training Program</b> <i>Joe Camisa, Bismarck State College, TrainND SW</i>	<b>Decarbonization - Great! But What Is It Actually?</b> <i>Brian Peterman, POWER Engineers</i>
Spruce Room	<b>Customized Intelligent Sootblowing: Maximizing Plant Performance</b> <i>Jeremy Brown, Babcock &amp; Wilcox</i>	
Linden Room	<b>Recycling Used Nuclear Fuel for Electricity Production</b> <i>Steven Curtis, Readiness Resource Group</i>	<b>PFAS Emissions Testing for Stationary Sources</b> <i>Jesse Rocha, Alliance Technical Group</i>
	Ice Cream Social - Exhibit Hall B - 3:00 pm	
	WEDNESDAY GENERAL SESSION	
Closing Keynote Speaker	<b>3:30 PM - 4:30 PM</b>	
Exhibit Hall A	<b>The World Will Never Change This Slowly Again</b> <i>Shawn Riley, BisBlox</i>	
	Appetizer Social - Exhibit Hall B - 4:30 pm	
	Casino Night - Radisson Hotel - 6:30 pm	

# CASINO NIGHT

January 29, 2025 | 6:30 PM - 10 PM

## RADISSON HOTEL

605 E Broadway Ave

**FREE** for all registered participants and vendors!



# SCHEDULE AT A GLANCE

## Thursday Morning - January 30, 2025

8:30 - 9:30 am	
<b>Keynote Speaker</b>	<b>The World Will Never Change This Slowly Again</b>
<i>Exhibit Hall A</i>	<i>Shawn Riley, BisBlox</i>
<i>Vendor/Networking Time - 7:00 am - 4:30 pm (closed during General/Keynote Sessions)</i>	
Room	10:00 am - 10:50 am
<i>Prairie Rose Rm 103</i>	<b>Leading Yourself</b> <i>Kristi Pfliger-Keller, Bismarck State College, TrainND SW</i>
<i>Prairie Rose Rm 104</i>	<b>Bridging the IT and OT Cybersecurity Divide</b> <i>Matt Mitzel, Minnkota Power</i>
<i>Cottonwood/Birch Room</i>	<b>3M Electrical - MV</b> <i>Tom Kastner, 3M</i>
<i>Maple Room</i>	<b>Low Emissions Valve Packing Best Practices</b> <i>Virgil Clary, Chesterton</i>
<i>Spruce Room</i>	<b>Harsh and Hazardous Areas: Classification, Installation, and Maintenance</b> <i>Kurt Schulz &amp; Adam Huotari, Eaton Crouse-Hinds</i>
<i>Prairie Rose Rm 101</i>	<b>Connecting Talent: Strategies for Local, National, and Global Workforce Attraction</b> <i>Janna Pastir, ND Dept. of Commerce</i>
<i>Prairie Rose Rm 102</i>	<b>Mental Health First Aid &amp; Passing Through the Storm</b> <i>Dennis Snodgrass - NDSC</i>
<i>Prairie Rose Rm 105</i>	<b>Rare Earth Elements and Critical Minerals in North Dakota</b> <i>John Lettlow, Vorbeck Materials - Granville (Beaver) Breankman, City of Beulah - Nolan Theaker, University of North Dakota - John Kay, EERC</i>
<i>Oak Room</i>	<b>Welding Aluminum</b> <i>Leland Vetter, Weld Inspection Services</i>
<i>Linden Room</i>	<b>Increasing Your Impact &amp; Influence With TRUST</b> <i>Kevin Müller, ITCB Consulting</i>
<i>Pine Room</i>	<b>Particulate Matter CEMS - Technology and Quality Assurance Requirements</b> <i>Jeremy Johnson, Alliance Technical Group</i>



**Thursday Afternoon - January 30, 2025**

Room	1:00 pm - 1:50 pm
Prairie Rose Rm 101	<b>Cerilon GTL ND Project Overview and Strategic Importance for North Dakota</b> <i>Cerilon</i>
Prairie Rose Rm 102	<b>Performance Guarantees in Contracts</b> <i>Dawn Kopecky, Barr Engineering Co.</i>
Prairie Rose Rm 103	<b>Holding It Together When Things Are Falling Apart: A Conversation About Resilience</b> <i>Monica McConkey, NDHHS</i>
Prairie Rose Rm 104	<b>Identifying and Countering Cybersecurity Risk for Organizations - of All Sizes</b> <i>Michael Slack, Norwich University Applied Research Institutes (NUARI)</i>
Prairie Rose Rm 105	<b>Trends in the Power Industry</b> <i>Chuck Nordhausen, Kiewit</i>
Cottonwood/Birch Room	<b>DCS Logic Upgrades for Improved Operations</b> <i>Frank Fowler, SmartBurn, LLC</i>
Oak Room	<b>Best Practices for AC Drive Installations</b> <i>Carl Lee Tolbert, Malloy Electric</i>
Spruce Room	<b>Submersible Pump Motor Protection, Maintenance and Sump Management</b> <i>Joe Ranieri, Tsurumi/GPM</i>
Linden Room	<b>7-Steps to Developing an Effective Employee Training Program</b> <i>Joe Camisa, Bismarck State College, TrainND SW</i>
Maple Room	<b>Recycling Used Nuclear Fuel for Electricity Production</b> <i>Steven Curtis, Readiness Resource Group</i>
Pine Room	<b>PFAS Emissions Testing for Stationary Sources</b> <i>Jesse Rocha, Alliance Technical Group</i>
	<b>Ice Cream Social - Exhibit Hall B - 2:00 pm</b>
	<b>2:15 pm - 3:30 pm</b> <b>Vertical Lessons</b> Manley Feinberg



**Join us for our**  
**ICE CREAM SOCIALS**

**Wednesday and Thursday**  
**East end of Exhibit Hall**

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# 2025 SESSION DETAILS: JANUARY 29 AND 30, 2025

## 7-STEPS TO DEVELOPING AN EFFECTIVE EMPLOYEE TRAINING PROGRAM

**Speaker:** Joseph Camisa, Bismarck State College, TrainND Southwest  
**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025  
**Time:** 1:00 pm - 1:50 pm (both days)

Organizations that embrace a strong culture of learning can benefit from greater employee satisfaction, improved morale, and lower turnover. As managers and owners, you may find yourself asking where to begin and what resources are available to prepare your team for a changing economic environment. This session will highlight seven steps any organization can take to begin developing a strong learning culture through a well-thought-out employee training program that provides a return on your training investment dollars.

## ACTUATORS - WHAT DO I NEED AND WHAT ARE MY OPTIONS?

**Speaker:** Bill Bensing and Howard Williams, Kirst Process Equipment  
**Date:** Wednesday, January 29, 2025  
**Time:** 2:00 pm - 2:50 pm

This session will discuss the various types of pneumatic, electric, and hydraulic powered valve actuators. What criteria needs to be considered when selecting an actuator for your process application including power source, power type, duty cycle, quarter turn or multiturn valve, and failsafe options. Valve applications include on/off, throttling, and continuous modulating control valves including failsafe emergency shutdown and critical SIL certified applications. We will also review the local and remote-control options including digital and analog communications and networking options that can provide Asset Management/ Preventative Maintenance data. In today's world we are faced with the question, how can we automate valves while reducing our carbon footprint. This and other questions will be discussed in an open Q&A session.

## BATTERY ENERGY STORAGE SYSTEMS AND DISTRIBUTION INTERCONNECTIONS

**Speaker:** Thomas Ghidossi, Barr Engineering Co.  
**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025  
**Time:** 11:00 am - 11:50 am (both days)

The goal of this session is to provide participants with an understanding of the complexities and issues associated with BESS interconnections with distribution systems.

## BEST PRACTICES FOR AC DRIVE INSTALLATIONS

**Speaker:** Carl Lee Tolbert, Malloy Electric  
**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025  
**Time:** 1:00 pm - 1:50 pm (both days)

This presentation starts a journey of sorts meant to unravel the mysteries behind achieving optimum reliability in AC Variable Frequency Drives (VFDs) from a brand-agnostic viewpoint. It's well understood in our industry that the lion's share of VFD failures occurs at the commissioning stage due to installation missteps. Let's delve into the best practices that promise to shield our drives from early failures, focusing on drive mounting, power wire considerations, lead length, grounding, installation environments, and not to overlook, control wiring and programming nuances.

## BRIDGING THE IT AND OT CYBERSECURITY DIVIDE

**Speaker:** Matt Mitzel, Minnkota Power  
**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025  
**Time:** 2:00 pm - 2:50 pm (day 1) and 10:00 am - 10:50 am (day 2)

Bridging the IT and OT cybersecurity divide requires a unified approach that integrates both domains' unique needs while addressing their distinct risks. IT systems focus on data protection and network security, whereas OT (Operational Technology) prioritizes safety, reliability, and real-time operations, making collaboration essential. By adopting common frameworks and fostering communication between IT and OT teams, organizations can enhance overall resilience against cyber threats.

## CERILON GTL ND PROJECT OVERVIEW AND STRATEGIC IMPORTANCE FOR NORTH DAKOTA

**Speaker:** Cerilion  
**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025  
**Time:** 1:00 pm - 1:50 pm (both days)

Cerilon GTL North Dakota will be the first large-scale, natural-gas fed Gas-To-Liquids (GTL) facility to be built in North America. The facility will also include carbon capture and sequestration, making this nominally 24,000 barrel-per-day facility the first of its kind in the world. It will be built near Trenton, in Williams County, North Dakota. This innovative facility will transform natural gas into unique, high-performance synthetic products, including industry-leading Group III+ base oils, ultra-low sulfur diesel and naphtha.

Cerilon will provide an overview of the project and the selected technology along with a status update on engineering, permitting, and construction planning. The presentation will address how this energy transition project supports the strategic energy and environmental objectives of the State of North Dakota

Cerilon is an international, privately-held corporation, headquartered in Calgary, Alberta. The company is focused on developing and managing a portfolio of energy transition, chemical and professional services companies. An unwavering sustainability focus, long-term partnerships, strategic agility and the ability to rapidly integrate technological advancements enhance project replicability, speed-to-market and return on investment. Cerilon is well positioned to provide energy transition solutions and expertise that can help create a better future.

## CONSIDERATIONS FOR INTERNET OF THINGS SECURITY

**Speaker:** Michael Slack, Norwich University Applied Research Institutes (NUARI)  
**Date:** Wednesday, January 29, 2025  
**Time:** 1:00 pm - 1:50 pm

The Internet of Things (IoT) is a pervasive technology form factor that has crept into our homes, offices, and manufacturing floors. We now rely on it to control and inform our decisions in everyplace from our conference rooms, to our kitchens, to our parking lots. But along with the benefits, IoT brings its own set of risks. What are some steps you can take to help protect your organization – and your home – when introducing this technology to your environment? We'll describe IoT and its benefits, discuss examples of its potential dangers, and introduce practical techniques to reduce your risk. This presentation is applicable for all attendees.

## CRUCIAL CONVERSATIONS: GETTING STARTED

**Speaker:** Kristi Pfliger-Keller, Bismarck State College, TrainND Southwest  
**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025  
**Time:** 11:00 am - 11:50 am (both days)

Many communication issues arise from how we handle disagreements. Often, we avoid these conversations out of fear that they will escalate, but this avoidance only worsens the situation. This quick course focuses on key principles for conducting effective, results-oriented conversations. Participants will improve their conflict resolution skills, benefiting both their personal and professional interactions.

## Customized Intelligent Sootblowing: Maximizing Plant Performance

**Speaker:** Jeremy Brown, Babcock & Wilcox  
**Date:** Wednesday, January 29, 2025  
**Time:** 1:00 pm - 1:50 pm

This session will explore the critical role of soot blowing in optimizing power plant and industrial facility performance. We'll delve into the challenges posed by soot and ash buildup, the limitations of traditional methods, and the transformative potential of intelligent soot blowing systems. Discover how customized solutions can be tailored to specific plant conditions, leading to improved heat transfer, reduced fuel consumption, extended equipment life, and lower emissions. Real-world case studies will highlight the tangible benefits achieved through intelligent soot blowing.

### **DCS LOGIC UPGRADES FOR IMPROVED OPERATIONS**

**Speaker:** Frank Fowler, SmartBurn, LLC

**Date:** Thursday, January 30, 2025

**Time:** 1:00 pm - 1:50 pm

Reliable, flexible operations require good unit control. Existing DCS logic has often been found inadequate to provide proper combustion control with nonideal instrument and equipment conditions, or achieve stable and consistent fuel and air control across the load range. However, in recent years, fewer experienced engineers and I&C staff are available to make needed DCS logic and control changes. We will explain the approach and discuss case studies where issues were resolved through control logic upgrades and tuning:

- Recovering derates caused by instability and oscillation
- Mitigate operational issues, including high gas temperatures, low steam temperatures, unbalanced O<sub>2</sub> and high emissions
- Improving OFA and cyclone SR control for good combustion, slagging and lower emissions

### **DECARBONIZATION - GREAT! BUT WHAT IS IT ACTUALLY?**

**Speaker:** Brian Petermann, POWER Engineers, Inc.

**Date:** Wednesday, January 29, 2025

**Time:** 2:00 pm - 2:50 pm

Decarbonization is a term gaining popularity in climate change discussions, but its meaning varies. Some see it as limited to CO<sub>2</sub> capture systems, while others associate it with broader goals like achieving "Net-Zero by 2050" or sustainability. Its scope is wider than many expect, encompassing actions like banning fracking, converting coal boilers to gas, improving power plant efficiency, and even household changes like upgrading an AC unit or adjusting a thermostat.

It's essential for stakeholders to clearly understand decarbonization, especially in policy, regulation, and corporate strategy discussions. This presentation will define decarbonization, clarify misconceptions, and provide examples through diagrams and charts. A better grasp of the concept leads to more effective and measurable policies and strategies, while also sparking more informed conversations.

### **FUELING PROGRESS: UNLEASHING YOUR CREATIVE POTENTIAL**

**Speaker:** Karin Anne Davis, Pink Pigs Fly

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 11:00 am - 11:50 am (both days)

In a fast-paced and ever-changing industry like energy, each person's creativity can make a powerful difference. This session focuses on practical ways to develop a creative mindset and skills that anyone can use to solve problems, work collaboratively, and contribute to innovation, no matter their role or department.

Through interactive discussions and relatable examples, participants will learn how to harness creativity in their day-to-day work, driving positive change on both individual and team levels. By exploring key aspects of creative thinking—like curiosity, adaptability, and problem-solving—attendees will see how small shifts in mindset can lead to meaningful impacts, from improved safety and efficiency to sustainable practices.

Whether you're working on the ground or supporting from behind the scenes, this session will equip you with tools to think creatively, tackle challenges, and be an active part of the future of energy.

### **GEM ZONE EFFECT: HOW TO UNLEASH YOUR SUPERPOWER**

**Speaker:** Kevin Miiller, ITCB Consulting

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 2:00 pm - 2:50 pm (day 1) and 11:00 am - 11:50 am (day 2)

Did you know that you have areas in your life where you have the potential to perform at the top 1% of the top 1%? It is NOT a question of IF, it's a matter of WHERE those top 1% areas are for you. We don't control everything, but we do have control over some of the biggest drivers of fulfillment and success.

Discover the practical steps to discover, unlock, and apply your GEM zone superpower. GEM has proven over and over again it is a game-changer in locating and operating in zones of genius. This workshop includes the steps to spot people who are operating in their GEM Zone (a bonus for managers and HR). We then reveal the tremendous impact of the GEM Zone in quality of life, and unpack the GEM formula for success. Next, we dive into how to uncover gifted/genius zones which can be applied to individuals, teams, spouse and children, taking their success to the next level. We will discuss why society tends to overemphasize expertise and underemphasize mastery, and what mastery truly is. We will conclude with practical applications of what is learned.

### **CONNECTING TALENT: STRATEGIES FOR LOCAL, NATIONAL, AND GLOBAL WORKFORCE ATTRACTION**

**Speaker:** Paige Kuntz & Janna Pastir, ND Department of Commerce

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 10:00 am - 10:50 am (both days)

This presentation highlights state efforts and programs available to employers to support recruitment and retention of talent, while educating attendees on the current impact of workforce on a local, national, and global scale. OLI will brief over our completed study, and how the energy industry was identified as one of ND's most impacted for labor shortages. OLI will provide examples of new pipelines and give an overview of the pipelines that might be most useful to the energy industry, and how their companies may access pools of qualified candidates.

### **HOLDING IT TOGETHER WHEN THINGS ARE FALLING APART: A CONVERSATION ABOUT RESILIENCE**

**Speaker:** Monica McConkey, Eyes on the Horizon Consulting

**Date:** Thursday, January 30, 2025

**Time:** 1:00 pm - 1:50 pm

Life throws challenges at us, often when we least expect it or are least prepared to absorb another blow. During this session we will discuss what stress looks like and how to build protective factors around ourselves to build resilience.

### **HARSH AND HAZARDOUS AREAS: CLASSIFICATION, INSTALLATION, AND MAINTENANCE**

**Speaker:** Kurt Schulz & Adam Huotari

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 10:00 am - 11:50 am (both days)

This session will cover harsh and hazardous areas focusing on:

- Classification: How areas are rated, who is responsible for ratings with reference standards from Nema, IP (Ingress Protection), and Articles 5001-516 of the National Electric Code.
- Installation: Methods and protection techniques for applications using conduit and fittings or cable and cable glands.

There will be additional discussion on:

- Seal offs: Requirements and proper pouring methods.
- Environmental: How Nema and IP ratings are applied in harsh applications.
- Maintenance: Recommendations for methods to maintain safe and proper installation.

## **IDENTIFYING AND COUNTERING CYBERSECURITY RISK FOR ORGANIZATIONS - OF ALL SIZES**

**Speaker:** Michael Slack, Norwich University Applied Research Institutes (NUARI)

**Date:** Thursday, January 30, 2025

**Time:** 1:00 pm - 1:50 pm

In your organization, you are ensuring that your budget, staff and physical infrastructure are all protected in case of an emergency, but how confident are you that your digital infrastructure is protected from a cyber-attack? Organizations of all sizes are vulnerable to cyber criminals, placing an increased need on leaders to have safety precautions in place, and staff who are knowledgeable to respond should a cyber incident occur. Join Michael Slack, Director of Cyber Programs for the Norwich University Applied Research Institutes, as he shares problem-solving solutions in this important safety arena.

## **INCREASING YOUR IMPACT & INFLUENCE WITH TRUST**

**Speaker:** Kevin Miiller, ITCB Consulting

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 1:00 pm - 1:50 pm (day 1) and 10:00 am - 10:50 am (day 2)

Nearly every human desires to be respected and acquire greater influence and greater job security. They want to make more money, become agents of change, have higher levels of success, and be a better spouse, parent, leader, manager or friend. This workshop is about the common thread running through all of these which is people's trust in you. We all decide what to say and how to act, but OTHERS decide if we are TRUSTWORTHY.

## **LEADING YOURSELF**

**Speaker:** Kristi Pfliger-Keller, Bismarck State College, TrainND Southwest

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 10:00 am - 10:50 am (both days)

Ever find yourself being a "Judgey McJudgerson" at work? You know, the conversation in your head or with co-workers that starts with "Geez...our boss should have handled that differently. Or can you believe what this co-worker just said? I would have said that in a much nicer gentler way!" But have you really... REALLY assessed how you are leading yourself with as much scrutiny as you do others? This workshop will put your own leadership in the spotlight. Is there a gap of truth between how you THINK you act and how you REALLY appear to others? By tackling some tough questions, participants will gain insight to their own leadership abilities and examine tools for growth.

## **LOW EMISSIONS VALVE PACKING BEST PRACTICES**

**Speaker:** Virgil Clary, Chesterton

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 10:00 am - 11:50 am (both days)

In this session, Virgil will cover the standards for L.D.A.R (leak detection and reporting) within the refining industry as well as materials used in packing, chemical compatibility, installation and flange live loading.

## **LUBRICATION AND RELIABILITY**

**Speaker:** Darrell Bailey, Calumet

**Date:** Wednesday, January 29, 2025

**Time:** 1:00 pm - 2:50 pm

Participants will gain a comprehensive understanding of how a well-designed lubrication program is essential for ensuring the reliability and longevity of their plants and equipment. The course will cover critical topics such as oil cleanliness and its impact on machinery performance, best practices for proper storage and handling to prevent contamination, and the different types of oil used in industrial settings. In addition, participants will explore the role and composition of grease, common temperature-related challenges that affect lubrication effectiveness, and the proper use of transfer containers and breathers to maintain oil quality. By mastering these areas, participants will be equipped to enhance equipment reliability, reduce downTime, and improve overall operational efficiency.

## **MACHINERY SAFETY STRATEGIES AND SOLUTIONS**

**Speaker:** Tom Steffen, Rockwell Automation

**Date:** Wednesday, January 29, 2025

**Time:** 11:00 am - 11:50 am

Adopt a holistic approach to machine safety to not only help protect your personnel, but to also help achieve higher overall equipment effectiveness (OEE). Companies who do this have less unscheduled downtime and less than half the injury rate of average performers. This session will explain how to apply safety standards and safety hardware to your machines to optimize safety while enhancing productivity. We will also discuss how to identify safety functions and how hardware selection and design can impact performance levels.

## **MENTAL HEALTH FIRST AIDE & PASSING THROUGH THE STORM**

**Speaker:** Dennis Snodgrass, North Dakota Safety Council

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 10:00 am - 11:50 am (both days)

This two-part session includes a discussion on Mental Health First Aid followed by a personal story and experience that left a lasting impact on speaker Dennis Snodgrass.

Workers are quick to address physical injuries and illnesses that occur in the workplace as well as their personal lives, however, many tend to be less vocal regarding their mental health. Our mental health is equally as important as our physical health. The North Dakota Safety Council is on the leading edge with educating people on the importance of mental health wellness. Dennis Snodgrass brings real-life experience together with training that focuses on the concept of understanding mental health and substance use challenges, recognizing signs and symptoms, how to listen nonjudgmentally and give reassurance to a person who may be experiencing a mental health or substance use challenge, and how to refer a person to appropriate support and services.

Part 1 provides attendees with a brief overview of:

- What is Mental health First Aid?
- Recognizing signs and symptoms
- Reducing the stigma
- The importance of intervention
- Recovery and well-being
- Statistics and data
- The role of a Mental Health First Aider

Part 2:

Following the Mental Health First Aid talk, Dennis will deliver his personal and powerful presentation "Passing Through the Storm."

## **MV PRESENTATION (TENTATIVE TITLE)**

**Speaker:** Tom Kastner, 3M

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 10:00 am - 11:50 am (both days)

Medium voltage (MV) cables are classified by voltage ratings (low, medium, high) and commonly come in single (1/C) or three-conductor (3C) configurations. Understanding cable layers, industry terminology, and types of accessories like terminations and splices is crucial for selecting the right fittings, which must meet IEEE standards. Key considerations include best practices, common tools, and avoiding mistakes in MV preparation. The evolution of 3M's Quick Term Cold Shrink technology highlights the differences between Cold Shrink and Heat Shrink methods, as well as shearbolts vs. crimp connectors. Firestop solutions and selecting the correct UL system are also essential.

## **PARTICULATE MATTER CEMS - TECHNOLOGY AND QUALITY ASSURANCE REQUIREMENTS**

**Speaker:** Jeremy Johnson, Alliance Technical Group

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 11:00 am – 11:50 am (day 1), 10:00 am – 10:50 am (day 2)

Historically, the MATS rule allowed a coal-fired facility to demonstrate compliance by either using a PM CEMS or conducting emissions testing to demonstrate compliance with PM standards. Due to upcoming regulatory changes, more coal-fired power plants will now be required to use PM CEMS to demonstrate ongoing compliance with PM standards. This session will discuss current technologies available for particulate monitoring and the quality assurance requirements a facility must conduct to validate the PM CEMS data. Additionally, we will discuss lessons learned from historic installations and quality assurance testing from a CEMS equipment operator role and source testing perspectives.

## **PERFORMANCE GUARANTEES IN CONTRACTS**

**Speaker:** Dawn Kopecky, Barr Engineering Co.

**Date:** Thursday, January 30, 2025

**Time:** 1:00 pm - 1:50 pm

The importance of including guaranteed performance in contracts is obvious. But without including well considered criteria which specify the particulars for proving the guarantees, they will be unenforceable and meaningless. We will discuss the basics of performance testing and how it relates to writing contract language that make performance guarantees meaningful.

## **PFAS EMISSIONS TESTING FOR STATIONARY SOURCES**

**Speaker:** Jesse Rocha, Alliance Technical Group

**Date:** Wednesday, January 29, 2025 and Thursday January 30, 2025

**Time:** 2:00 pm – 2:50 pm (day 1), 1:00 pm – 1:50 pm (day 2)

PFAS testing for soil and water has been a staple for a number of years in the environmental community. However, the understanding of PFAS destruction or capture from air emissions is relatively new. The regulatory environment is driving for more emissions data to be collected from various sources in order to understand their health impacts. In 2021, EPA issued Other Test Method 45 (OTM-45) for semivolatile PFAS compounds. In 2024, EPA issued OTM-50 to collect volatile PFAS compounds in stack gas. These test methods require a higher degree of understanding of how a test program should be structured, as well as the recognition of any potential sources for sample contamination that could bias the results. This presentation will introduce the audience to the basic principles and procedures of using these test methods to determine emission rates from stationary sources.

## **RARE EARTH ELEMENTS AND CRITICAL MINERALS IN NORTH DAKOTA: PANEL DISCUSSION**

**Moderator:** John Kay, EERC

**Date:** Thursday, January 30, 2025

**Time:** 10:00 am - 11:50 am

North Dakota's rare earth element and critical mineral resource occurrence, extraction, production, and end uses will be discussed.

## **RECYCLING USED NUCLEAR FUEL FOR ELECTRICITY PRODUCTION**

**Speaker:** Steven Curtis, Readiness Resource Group

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 1:00 pm - 1:50 pm (both days)

Slightly used nuclear fuel retains over 30 times its original power after removal from light-water reactors, and fast nuclear reactors can recover this energy. Existing spent fuel in the U.S. could supply power equivalent to 270 years of current annual consumption, with a potential value of \$100 trillion at 10 cents per kWh. This discussion explores the physics, practicalities, and economic benefits for states adopting this technology to meet the growing demand for clean, affordable energy, crucial for national security and global economies.

## **REGULATORY AND LEGAL CHALLENGES FACING THE LIGNITE INDUSTRY**

**Moderator:** Jonathan Fortner, Lignite Energy Council

**Date:** Wednesday, January 29, 2025

**Time:** 1:00 pm - 2:50 pm

As the lignite industry continues to evolve amidst shifting energy policies and regulatory landscapes, companies face a growing array of legal and compliance challenges. This panel will delve into the current regulatory environment impacting lignite, exploring key legal battles, policy shifts, and how industry leaders are adapting. Our experts will discuss the intersection of state and federal regulations, the potential impacts of future legislation, and strategies for compliance that align with both environmental goals and the continued viability of the industry. Moderated by Jonathan Fortner from the Lignite Energy Council, this session will provide valuable insights into the future of lignite and how regulatory developments may shape its path forward.

## **SUBMERSIBLE PUMP MOTOR PROTECTION, MAINTENANCE, AND SUMP MANAGEMENT**

**Speaker:** Joe Ranieri, Tsurumi/GPM

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 10:00 am - 10:50 pm (day 1) and 1:00 pm - 1:50 pm (day 2)

This session will contain information about components of submersible pumps, motor insulation classes, air vs. oil filled motors, and other auxiliary equipment installed to protect electric pump motors. This course will also touch on the different mechanical seal options and configurations. After discussions on the pump, we will go into preventative maintenance, sump management, and touch on bar screening applications in wastewater applications.

## **TRENDS IN THE POWER INDUSTRY**

**Speaker:** Chuck Nordhausen, Kiewit

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 10:00 am - 10:50 am (day 1) and 1:00 pm - 1:50 pm (day 2)

The power industry has changed significantly since the pandemic. Longer lead times for materials and engineered equipment have increased the project costs and durations from inception to operation. Bid response times for equipment have increased by 25%, leading owners to rethink the traditional bid/build process. They are now closely evaluating not only materials and equipment but also labor availability. Additionally, utilities in the US are seeing load growth for the first time in over a decade. Aging and continued load demands are changing the reliability of the grid across the US. Finally, the data centers are an expected player in the power demand market. These factors have created a rapidly shifting and uncertain utility market. As a result, utilities are exploring new approaches for renewable, fossil, retrofit, and emerging technology projects, with a focus on improving and expanding existing infrastructure. This presentation explores industry trends and how owners can adapt to changes in materials, equipment, system needs, and collaboration with contractors to meet market challenges.

## **TYPES OF IRON AND STEEL AND THEIR CLASSIFICATIONS**

**Speaker:** Leland Vetter, Weld Inspection Services

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 11:00 am - 11:50 am (both days)

Learn about the different types of cast iron and steel, along with their classification systems. We will also cover how to weld some of these steels. This session will provide valuable insights and help you better understand the numbering systems used to classify and specify iron and steel.

## **WELDING ALUMINUM**

**Speaker:** Leland Vetter, Weld Inspection Services

**Date:** Wednesday, January 29, 2025 and Thursday, January 30, 2025

**Time:** 10:00 am - 10:50 am (both days)

Have trouble welding Aluminum? It might be because you don't understand the metal or setting up the equipment. Learn to weld with GTAW, GMAW, SMAW, and OAW. Be prepared for some fun and learn more about Aluminum than you thought possible.

## 2025 CONFIRMED EXHIBITORS (Early Registrations)

1st Call Explosive Solutions, Inc.  
 Action Battery Wholesalers, Inc.  
 Alliance Technical Group  
 American Pulverizer Company  
 Borsheim Crane Service  
 C.L. Smith Industrial Company  
 Clyde Industries Inc USA  
 Continental Disc Corporation  
 Corrosion Monitoring Services, Inc.  
 Curtiss-Wright EST Group  
 Dakota Supply Group  
 Duechting Pumps North America  
 Duncan Company  
 EAPC Industrial Services  
 EFCO USA, Inc.  
 Engineered Pump Services and HILCO Filtration  
 Environmental Plant Services  
 Environmental Services, Ltd.  
 Extreme Precision Industrial Contractors LLC  
 FCX Performance-MN  
 FLEXCO  
 Fougner Engineered Solutions  
 Gagnon, Inc.  
 Galebreaker Industrial  
 Gestra USA  
 Great Plains Technical Services  
 Hach Company  
 Hartigan Power Equipment  
 HM Cragg  
 Honeywell Process Solutions  
 Hupp Electric Motors  
 Hydro, Inc.  
 Industrial Contractors, Inc.  
 Industrial Equipment & Parts  
 Industrial Sales Solutions, LLC

Industrial Sealing & Lubrication, Inc.  
 Innomatics  
 JMC Industrial Sales  
 Kennametal  
 KSB SupremeServ  
 Kurita America  
 Liquidmetal Coatings & Mechanical Solutions  
 LJUNGSTRÖM  
 M&C TechGroup North America  
 Maertens-Brenny Construction Co.  
 Mechanical Dynamics & Analysis, LLC  
 Mellema Engineering  
 Metals-RS  
 National Electric Coil  
 New York Blower Company  
 NorMinn Industrial LLC  
 North Point Financial Planners  
 Paul Mueller Heat Transfer  
 Potts Welding & Boiler Repair  
 Pro-Tech Power Sales, Inc.  
 Pullman Power, LLC  
 RCOM, Inc.  
 Relevant Industrial  
 R-S Matco, LLC  
 R-V Industries, Inc.  
 Schaeffer's Specialized Lubricants  
 Southern Environmental, Inc.  
 Specialized Fabrication Equipment Group  
 Spider  
 STI Cems  
 Swagelok Minnesota | North Dakota | Appleton  
 Team Torque Inc  
 Toshiba America Energy Systems  
 Vector Construction, Inc.  
 WIKA USA

### Premier Exhibitors:

Abrasives Incorporated  
 Allied Valve Inc.-MN  
 Blome International  
 C.C. Jensen, Inc.  
 C. Emery Nelson, Inc.  
 Dowco Valve Company  
 Emerson Automation Solutions  
 Enpro, Inc.  
 ESCO Tool Company (Millhog)  
 Ferguson Enterprises, Inc.  
 Flexitallic US, LLC (Deer Park)  
 GPM, Inc.  
 Heat Tech Industrial  
 Interep, Inc.  
 IRISNDT  
 JGM Fabricators & Constructors LLC  
 Kalenborn Abresist Corporation  
 Kirst Process Equipment  
 Mechanical and Ceramic Solutions, Inc.  
 Novaspect-ND  
 PS Industries Incorporated  
 Rain for Rent  
 Rapat Corporation  
 Richwood  
 S.T. Cotter Turbine Services, Inc.  
 Swanson Flo  
 Townley Engineering & Manufacturing  
 UCC Environmental  
 Winn-Marion Barber, LLC

### LEC Member Confirmed Exhibitors:

Acme Tools	Interstate Power Systems-ND
Apache Industrial Services	JADCO Manufacturing, Inc.
AZCO, Inc.	L&S Electric, Inc.
Babcock & Wilcox	Lindberg Process Equipment Corp.
Babcock Power Inc.-MA	Malloy Electric-Sioux Falls
Barr Engineering Co.	MAP General Mechanical Contractors, Inc.
Benetech	Minnesota Valley Testing Laboratories, Inc.
Bismarck-Mandan Chamber EDC	Motion Industries
Border States Electric	North Dakota Safety Council
Central Machining & Pump Repair, Inc.	Northern Horizons
DustMASTER Enviro Systems	Philadelphia Gear
Edelmann & Associates, Inc.	Saulsbury Industries
Hotsy Equipment Company	Siemens Energy
IBEW Local 1593	TeamPro Engineering & Equipment, Inc.
IEM Energy Consultants, LLC	TerraSource Global
InDemand Industrial Services, LLC	The Plum Company
Integrated Global Services	Universal Blastco

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# 2025 EPIC PLANNING COMMITTEE

Cole Bachmeier.....Marathon Petroleum	Jason Laumb.....Energy & Environmental Research Center
Chris Bauman.....Basin Electric, Leland Olds Station	Jackie Lausch.....Bismarck State College - CE
Jordan Beutler.....Power Process Equipment, Inc.	Matt Lund (2025 Chair).....Montana-Dakota Utilities Co.
Steve Burke.....The Falkirk Mining Company - North American Coal	Brian Markegard.....Midwest Ag Energy - Spiritwood Station
Pamela Clark-Stein (Vice-Chair).....ND Association of REC's	Ryan Rayda.....Barr Engineering
Kelly Dolbec.....Otter Tail Power - Coyote Station	Craig Schmidt.....Swanson Flo
Chase Dauenhauer.....NextEra Energy	Bruce Schumacher.....Great Plains Technical Services
Gregory Dvorak.....EAPC Engineers & Architects	Laura Skager.....Basin Electric Power Cooperative
Paul Eslinger.....American Crystal Sugar	Paul Streeter.....Rainbow Energy
Sue Gustafson.....InDemand Industrial Services, LLC	Alicia Uhde.....Bismarck State College
Jason Haider.....GPM, Inc.	Slade Ternes.....Dakota Gasification Company
Geoff Harding.....Babcock & Wilcox	Sara Vollmer.....Bismarck State College - CE
Angie Hegre.....Lignite Energy Council	Kristin Wilson.....ND Safety Council
Ted Hoepfner.....Minnkota Power - Milton R. Young Station	Ryan Wrolstad.....BNI Coal
Eric Jeide.....Dakota Gasification - Beulah	Alison Zarr.....Bismarck State College - CE
Troy Karlberg.....Minnkota Power - Milton R. Young Station	

# 2025 EPIC SCHEDULE AT A GLANCE

All times are CST

## TUESDAY, JANUARY 28

8:00 am - 4:30 pm	Pre-Conference Sessions
9:00 am - 4:30 pm	Exhibitor Registration and Setup
4:30 pm - 6:00 pm	Exhibitor Social (open to the public)

## WEDNESDAY, JANUARY 29 (registered participants only)

7:00 am - 8:00 am	Registration/Check-in/Breakfast
7:00 am - 8:00 am	Exhibitor Showcase Open
8:00 am - 9:30 am	General Session & Opening Keynote
9:30 am - 4:30 pm	Exhibitor Showcase Open
10:00 am - 11:50 am	Breakout Sessions 1 & 2
11:30 am - 1:00 pm	Lunch
1:00 pm - 2:50 pm	Breakout Sessions 3 & 4
3:00 pm - 3:30 pm	Sponsor Ice Cream Social
3:30 pm - 4:30 pm	General Session & Closing Keynote followed by Grand Prize Drawings ( <i>Must be Present to Win</i> )
4:30 pm - 5:30 pm	Appetizer Social (Exhibit Hall)
6:30 pm - 10:00 pm	Casino Night - <b>NEW LOCATION!</b> <i>Radisson Hotel, Bismarck</i>

## THURSDAY, JANUARY 30 (registered participants only)

7:00 am - 8:00 am	Registration/Check-in/Breakfast
7:00 am - 8:00 am	Exhibitor Showcase Open
8:00 am - 9:30 am	General Session & Opening Keynote
9:30 am - 2:30 pm	Exhibitor Showcase Open
10:00 am - 11:50 am	Breakout Sessions 1 & 2
11:30 am - 1:00 pm	Lunch
1:00 pm - 1:50 pm	Breakout Session 3
1:50 pm - 2:15 pm	Sponsor Ice Cream Social
2:15 pm - 3:30 pm	General Session & Closing Keynote followed by Grand Prize Drawings ( <i>Must be Present to Win</i> )
2:30 pm	Exhibitor Tear Down

Scan to visit our registration site for Pre-Conference sessions.  
Registration for Pre-Conference sessions closes January 23, 2025!





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