Continuous Product Improvement

*Tantalus CEO Dermot O’Leary and Tereus Scott, System Architect, present recent product changes and specific improvements.*

Get the how and why of major Tantalus product improvements since TUC 2018:

- Product robustness and reliability
- Product changes that improve troubleshooting, and in some cases, even extend the life of certain devices
- Device performance across the overall customer base

Presented by:

**Dermot O’Leary**  
Chief Operating Officer — Tantalus Systems Corp  
Bachelor of Applied Science (1979), University of Toronto

Dermot is a 39-year veteran of the utility industry, with expertise in product development, manufacturing and supply chain process, customer deployments, business development and strategic planning. Before joining Tantalus as COO in 2014, he served as EVP and GM for the substation group at BPL Global. He started his career in metering with Sangamo/Schlumberger, which led to international executive leadership positions in North America, Europe and Africa. As VP and GM of Cellnet, Dermot was responsible for the business unit P&L of the AMR group, which provided communication networks and data management services to major utility clients including Ameren, We Energies, Jacksonville Electric Authority and Puget Sound Energy.

**Tereus Scott**  
Director, System Architecture — Tantalus Systems Corp  
Master of Science (2006), University of Victoria  
Bachelor of Science (1995), University of Victoria

Tereus leads the product development discipline within Tantalus. He has been with the company for 10 years in several roles including leading the embedded software team that delivered the Rev 3 communications platform. Tereus came to Tantalus with over a decade of experience in telecommunications, delivering large-scale wireless network solutions to a global customer base.

*Time permitting, all sessions will end with an opportunity to ask questions.*  
October 20, 2019 Sessions and presenters are subject to change.
Good-bye Event Monitor, Hello Insight Alarms!

You voted, and we listened! We’ve improved TUNet Insight even further by adding alarms — the #1 feature request at TUC 2018. Join our TUNet Insight product owner and special guest Timothy Pease for the inside track on how to make alarms work for you.

This session will teach you how to:

- Set notifications for new alarm alerts.
- Customize alarms to display alerts for events which are most significant to your role.
- Acknowledge and manage new alerts.
- Apply analytics from detailed alarm reports to optimize TUNet.

Demonstration by Tim Pease of Fleming Mason:

- Hear about their experience with the new Insight alarm platform.
- Watch a demonstration of how Fleming Mason uses alarms to benefit their daily workflows.

Presented by:

Marc Semkow
Product Owner, TUNet Insight — Tantalus Systems Corp
Bachelor of Science in Electrical Engineering (1990), University of Alberta

Marc has worked with Tantalus for almost nine years, first as Test Lead for the TCC head end and in 2017, as Product Owner of TUNet Insight. Marc works with users to establish requirements that ensure new features help our customers as much as possible. Before joining Tantalus, Marc was a Business Analyst Manager with Rockwell Automation, responsible for their HMI/SCADA system.

Timothy Pease
IT Manager — Fleming Mason Energy Cooperative

Time permitting, all sessions will end with an opportunity to ask questions.

October 20, 2019 Sessions and presenters are subject to change.
Using TUNet Insight to Optimize your Deployment

*TUNet requires care and feeding for optimum performance and TUNet Insight provides all the necessary cues. Two certified TUNet Administrators will walk you through their day-to-day activities using information from TUNet Insight that allows them to maintain daily read reliability approaching 100%.*

Ideally suited to those responsible for keeping TUNet running at optimum efficiency, this session covers how to achieve maximum performance using the following TUNet Insight key performance indicators (KPIs):

- WAN Base Station Status
- WAN Gateway Status
- LAN Device Status
- TUNet Meter Status

By the end of the session, you’ll know more about the following:

- Devices
- Association
- Reporting status, uses and definitions
- Device details pages
- Organization for WAN and LAN devices
- Quick navigation features
- The use of color in TUNet Insight

Presented by:

**Randy Aeberhardt**  
VP, Strategic Initiatives — Tantalus Systems Corp  
Bachelor of Science in Computer Science (1985), University of British Columbia

Randy interfaces with multiple groups within Tantalus to help drive strategic direction and product development for the company. He designed, delivered and is named as an inventor on the U.S. patent for TUNet, the Tantalus Utility Network—a high-performance AMI communications network that combines WAN, LAN and HAN and is now deployed at more than 160 public power utilities across North America.

**Matt Heath**  
AMI Department Manager — BrightRidge  
Bachelor of Business Administration and Management (2018), East Tennessee State University

Matt has been in the electrical metering field for over 26 years, performing thousands of field site audits on instrument transformer-rated sites and installing thousands of instrument transformer-rated metering packages as a metering contractor. He also managed a large field services group that replaced over three million non-AMI meters with AMI meters across the southeastern USA. For the past six years, Matt has worked as the AMI Department Manager for BrightRidge (formerly Johnson City Power Board), which has had a fully deployed Tantalus AMI system since 2010 and serves over 78,000 electric customers in Washington County, Tennessee.
Understanding New Features in TUNet Insight

*Developed in response to customer needs, TUNet Insight is expanding by leaps and bounds. Early adopters and potential users alike will discover the advantages offered by the many features added to TUNet Insight since TUC 2018, particularly the ones you voted for at previous conferences using Tantalus Bucks.*

We invite you to spend time with the Insight product owner and learn about these significant changes:

- TUNet Insight user interface integration
- Improved workflow for managing events, now referred to as alarms:
  - Notifications
  - Summary
  - History
  - Acking
  - Mapping
- How Insight supports multiple types of consumption alarms on the same meter
- WAN gateway (collector) re-association
- Downstream SNR graph and identifying local interference
- Meter blink reports
- Aggregate consumption graph, the #2 voted feature at TUC 2018
- Legacy reports, the #3 voted feature at TUC 2018
- Meter voltages map visualization (a sneak peek at the #2 voted feature at TUC 2017)
- Residential peak demand, the #3 voted feature at TUC 2017
- Meter search
- Load Champ support
- Consumption graphs

Marc will also present the 2020 roadmap for TUNet Insight.

Presented by:

**Marc Semkow**
Product Owner, TUNet Insight — Tantalus Systems Corp

Bachelor of Science in Electrical Engineering (1990), University of Alberta

Marc has worked with Tantalus for almost nine years, first as Test Lead for the TCC head end and in 2017, as Product Owner of TUNet Insight. Marc works with users to establish requirements that ensure new features help our customers as much as possible. Before joining Tantalus, Marc was Business Analyst Manager with Rockwell Automation, responsible for their HMI/SCADA system.

*Time permitting, all sessions will end with an opportunity to ask questions.*

October 20, 2019 Sessions and presenters are subject to change.
New Electric Metering Options in TUNet

Tantalus continues to introduce meter-specific technology that makes your existing hardware even more powerful. This session is for all those who want to know how much more these meters can do when equipped with Tantalus technology: meter technicians, distribution engineers, CSRs, those responsible for billing rates and administrators who want to know where to best direct their budget.

This focused session will explore the following:

- New features developed for electric metering devices presently supported by TUNet
- How to manage recent transitions in the Aclara meter product line
- The newest addition to our portfolio of electricity meters: the Landis+Gyr FOCUS AXe

Presented by:

**Jeff Richardson**
Solution Marketing Manager — Tantalus Systems Corp

Bachelor of Applied Science in Engineering Science, University of Toronto
Professional Engineer certification, Professional Engineers Ontario.

Jeff is responsible for AMI and smart communities offerings. He has been working in electricity metering in Canada and the USA since 1992, and in AMI since 2003. Before joining Tantalus in 2015, he worked for ABB and Elster in product management, technical support, sales, engineering and manufacturing support.
New Water & Gas Metering Options with TUNet

There are changes on the horizon for commodity delivery. Find out how TUNet can help your utility expand its hardware choices. Learn about the improvements Tantalus has delivered and planned for water and gas metering options with TUNet.

This focused session will explore the following:

- Changes to the interoperability of Itron ERT and Badger ORION CE devices, including support for Neptune water and gas modules.
- How to combine Itron ERT, Badger ORION CE devices and Neptune water and gas modules on the same LAN.

Presented by:

Jeff Richardson
Solution Marketing Manager — Tantalus Systems Corp
Bachelor of Applied Science in Engineering Science, University of Toronto
Professional Engineer certification, Professional Engineers Ontario

Jeff is responsible for AMI and smart communities offerings. He has been working in electricity metering in Canada and the USA since 1992, and in AMI since 2003. Before joining Tantalus in 2015, he worked for ABB and Elster in product management, technical support, sales, engineering and manufacturing support.
**Tantalus Networking Improvements**

Join two of our top subject matter experts as we reveal the technology behind networking improvements delivered in 2019. Bring your complex questions to our Q&A session.

Find out about the following:

- **220 MHz WAN gateway SNR measurements:**
  - SNR is fundamental to radio communications. Traditionally, our 220 MHz WAN only provided SNR measurements from a base station point of view. With RT 1.61 and the remotely upgradeable 220 MHz WAN base station firmware, TUNet administrators can now view SNR measurements from the 220 MHz WAN gateway perspective. This facilitates diagnosing at both ends of the communications link.

- **Synchronized communication between firmware and non-TUNet devices:**
  - Learn about recent improvements for interacting with Itron ERT devices using firmware 11.5x.
  - These improvements lay the foundation for self-healing and address several issues customers have had with reliably reading ERT deployments using TUNet.

- **Faster association in modes 5 & 6 and self-healing:**
  - We announce the results of field trials Tantalus recently conducted on self-healing properties.
  - Learn about the processes in TUNet and what they will mean to the customer.

- **Remotely upgradeable 220 MHz WAN base station firmware IPC/VC 3.07:**
  - In today’s world of cyber threats, all elements of a system that depends on communications should be capable of remote upgrades to allow quick response to identified vulnerabilities. These improvements increase security and platform reliability for customers using IP WAN technology.
  - This year, Tantalus released new firmware in the 220 MHz WAN base station controller card that allows Tantalus personnel to remotely upgrade the device firmware to deliver new features and address critical vulnerabilities.

Presented by:

**Kyle Sivertsen**
Senior Firmware Engineer — Tantalus Systems Corp

Master of Applied Science in Electrical and Computer Engineering (2013), University of British Columbia
Bachelor of Applied Science in Electrical and Computer Engineering (2007), University of British Columbia

Kyle works in product development as the team lead for the network platform. This team is responsible for network firmware and software (RF WAN, IP WAN and LAN) that provide a stable platform on which the Tantalus distributed applications can run. Kyle has worked with Tantalus for nine years and in his current role, he provides technical leadership, maintains a productive and effective team and enables the team to deliver value and ensure quality.

**Randy Aeberhardt**
VP, Strategic Initiatives — Tantalus Systems Corp

Bachelor of Science in Computer Science (1985), University of British Columbia

Randy interfaces with multiple groups within Tantalus to help drive strategic direction and product development for the company. He designed, delivered and is named as an inventor on the U.S. patent for TUNet, the Tantalus Utility Network—a high-performance AMI communications network that combines WAN, LAN and HAN and is now deployed at more than 160 public power utilities across North America.
Understanding and Deploying Non-TUNet Devices

This session is tailored for those whose responsibilities focus on deploying non-TUNet meters.

In this primer, two of the project managers who spend their days on the deployment front line will share their expertise and tales from the field.

- Optimize performance from Itron ERT and Badger ORION.
- How to solve unique situations others have encountered in the field.

Presented by:

**Todd Chartrau**
Field Project Manager — Tantalus Systems Corp
Bachelor of Science in Industrial Engineering, Georgia Southern University

Todd manages TUNet AMI deployments for utilities. He has extensive experience in utility AMR/AMI deployment, project management, metering device manufacturing, quality management and supply chain management. Todd is practiced in developing business tactics, implementing programs and effectively driving change initiatives which allow utilities to fully benefit from TUNet capabilities.

**Mike Gentry**
Field Project Manager — Tantalus Systems Corp
Bachelor of Science in Business Management (2016), Western Governor's University

Time permitting, all sessions will end with an opportunity to ask questions.

October 20, 2019 Sessions and presenters are subject to change.
Security Developments, Best Practices & Recommendations

This session, led by Tantalus in-house counsel and one of our top firmware engineers, covers security-related matters including CIAA (confidentiality, integrity, authentication and availability) and network segmentation. We’ll conclude with a segment for IT specialists on our recommendations and best practices.

Security remains a critical issue for modern cyber-physical systems and the IIoT (industrial internet of things). As consumers become increasingly concerned about the confidentiality of their private information, organizations and governments need to keep critical systems and industrial networks safe from interference and malicious activity.

In this session, you will learn about the following:

- Recent events relating to cybersecurity and industrial systems
- The state of security regulations
- Security concepts including
  - Confidentiality, integrity, and availability
  - Authentication
  - Role-based access controls
  - Defense in depth and breadth
  - Network segmentation
- The Tantalus approach to security, both internally and in our networks
- Recommendations for IT specialists
  - How to build a symbiotic relationship between Tantalus and your technology to provide a secure system for your utility.
  - TUNet best practices and operational considerations

Presented by:

**Kyle Sivertsen**  
Senior Firmware Engineer — Tantalus Systems Corp

Master of Applied Science in Electrical and Computer Engineering (2013), University of British Columbia  
Bachelor of Applied Science in Electrical and Computer Engineering (2007), University of British Columbia

Kyle works in product development as the team lead for the network platform. This team is responsible for network firmware and software (RF WAN, IP WAN and LAN) that provide a stable platform on which the Tantalus distributed applications can run. Kyle has worked with Tantalus for nine years and in his current role, he provides technical leadership, maintains a productive and effective team and enables the team to deliver value and ensure quality.

**Michael Grandis**  
General Counsel — Tantalus Systems Corp

Doctor of Jurisprudence (1998), Columbia University School of Law  
Bachelor of Science(1995), Georgetown University

Mike serves as General Counsel for Tantalus and is responsible for all legal matters across the company and its affiliates. He oversees contracting, corporate governance, partnership, intellectual property, employment, compliance and other transactional matters.

Time permitting, all sessions will end with an opportunity to ask questions.

October 20, 2019 Sessions and presenters are subject to change.
Deploying Streetlight Control over TUNet

This session provides an overview of our new streetlight control offering, benefits and training. Explore the additional benefits of strengthening your network and reading non-TUNet type devices.

Learn about the following:

- The features, benefits and ROI of LED Roadway streetlight control software
- Integrating TCC with LED Roadway streetlight control software
- Configuring and provisioning devices
- Deploying and troubleshooting devices
- Managing and monitoring streetlight deployment
- Where and how streetlight control intersects with non-TUNet devices

Presented by:

**Frank Geiger**
Business Analyst — Tantalus Systems Corp

Bachelor of Engineering in Mechanical Engineering (1999), University of Victoria

Frank has been with Tantalus since 2005 in various concurrent roles, including Mechanical Engineer, Project Manager and Product Owner. Prior to Tantalus, he worked for BC Hydro, an open pit copper mine, a zinc aluminum smelter and manufacturers of digital printers, boat power steering systems, audio speakers and laser communication systems. Frank is very knowledgeable regarding streetlights and is the resident subject matter expert on distribution automation, load management, IP gateways and DT-400.
Tantalus University 2020

TUNet Insight brings new diagnostics and workflows to those who manage TUNet or answer customer queries. Find out how to use TUNet for more than just AMI. Hear about the benefits of specialized training from a Tantalus University alumnus.

This session will cover:

- The benefits of attending Tantalus University
  - Maximizing the value of your Tantalus investment
  - Building a knowledge base within your utility
  - Optimizing your workflows
  - Using TUNet for more than AMI
  - Attendee feedback from the 2018 courses, especially the revised TUNet Administrator certificate course, which is now based on the new TUNet Insight platform.

- 2020 course outlines and schedule:
  - Applications
  - TUNet Administrator certification
  - Insight for CSRs

- Brian Warf of Appalachian Electric Cooperative
  - His experiences at Tantalus University
  - How to develop an in-house training program for your staff

Presented by:

Randy Aeberhardt
VP, Strategic Initiatives — Tantalus Systems Corp
Bachelor of Science in Computer Science (1985), University of British Columbia

Randy interfaces with multiple groups within Tantalus to help drive strategic direction and product development for the company. He designed, delivered and is named as an inventor on the U.S. patent for TUNet, the Tantalus Utility Network—a high-performance AMI communications network that combines WAN, LAN and HAN and is now deployed at more than 160 public power utilities across North America.

Brian Warf
AMI Supervisor — Appalachian Electric Cooperative
Bachelor of Science in Organizational Management, Tusculum University
Industrial Electrician, Tennessee Center of Applied Technologies

Brian started out as a contract meter reader from November 2003 until January 2008 when he began his career at AEC. His first job was cleaning old electro-mechanical meters and retrofitting them with Tantalus modules, his first introduction to AMI. In 2009, he moved into the role of AMI Technician with the objective of creating an AMI infrastructure. This would include placing shark fins, TR 1905s, XRs, etc. In 2014, he became AMI Supervisor and began to learn the communications side of the AMI system.

Time permitting, all sessions will end with an opportunity to ask questions.

October 20, 2019 Sessions and presenters are subject to change.
Enhanced Load Management over TUNet

Do you have consumers who frequently power equipment on/off? Does your utility want more fine-tuned load control? This session provides an overview of the Tantalus Load Management System (TLMS) and explains the benefits of Load Champ, developed especially for electric vehicles.

Find out how TUNet can help your utility control larger loads. In this session, you will learn about:

- The benefits and features of TLMS and Load Champ
- TLMS architecture, hardware, interface, terminology, workflows and options
- Making an informed decision about the right time to purchase one or both

Presented by:

Brook Marin
Manager, Field Operations — Tantalus Systems Corp

Bachelor of Wireless Engineering (2006), Auburn University

Brook has been with the Tantalus Customer Operations group for over seven years. His various customer facing responsibilities include project management, solution designs, technical support and managing the Field System Engineers. With nearly 14 years of AMI experience behind him, Brook prides himself on being able to assist customers at any stage of their relationship with Tantalus.
Grid Optimization and Distribution Automation with TUNet

Learn how TUNet can help you optimize your distribution grid.

In this session, you will hear about Tantalus solutions that can help your utility:

- Improve reliability and power quality.
- Connect down-line distribution equipment.
- Manage demand through voltage reduction.
- Feed your engineering analysis package

Presented by:

**Rick Szijarto**
Director, Solution Management — Tantalus Systems Corp
Master of Business Administration (2005), Queen's University
Bachelor of Science in Electrical Engineering (1995), Queen's University

Rick has 20 years of experience developing and commercializing advanced distributed control and simulation systems. He has worked in the automation and energy industries in both technical and business roles. Rick's goal is to help companies make advances in the intelligent use of energy.

Time permitting, all sessions will end with an opportunity to ask questions.

October 20, 2019 Sessions and presenters are subject to change.
Understanding and Deploying the Tantalus Utility Network

Two of our field project managers present a primer on the components of TUNet and explain how the system is deployed. This session is highly recommended for those who want a holistic understanding of the Tantalus Utility Network, particularly utility employees who are new to Tantalus concepts.

You’ll leave this session with an understanding of the following:

- Backhaul vs WAN device vs LAN device
- Deployment best practices and procedures
- LAN authentication, WAN programming and PBID
- The association and re-association process
- What data you’ll received from the endpoints after installation
- How to use these meaningful thresholds:
  - Consumption/interval data
  - Power quality information for voltage sags/swells and blinks
  - Outage monitoring and reports
- How to use Community

Presented by:

**Jonathan Leake**
Field Project Manager — Tantalus Systems Corp

Bachelor in International Affairs (2006), Business and Law, Kennesaw State University

For over ten years, Jonathan represented the 52 electric municipalities in the state of Georgia in various regional and national contracts and committees. In his two years with Tantalus, he has focused on delivering complex solutions to medium and small communities. As a field project manager, Jonathan works closely with customers on system setup, integration, installation and training.

**Jennifer Hamilton**
Field Project Manager — Tantalus Systems Corp

Bachelor of Arts in Psychology (2009), University of Missouri-Columbia

PMP designation, Project Management Institute

Jennifer has almost 10 years of experience in the AMI industry and has been with Tantalus for over 3 years. As a field project manager, she supports customers in as they initially deploy TUNet and guides them through any additional projects they may put in place to further their AMI applications. Her support includes deployment scheduling and management, training. She also helps utilities with troubleshooting and ensuring optimal coverage. She is based in the St. Louis area and supports customers in the Midwest region, mostly.
Regular Checks to Maintain Your TUNet Deployment

This session will cover recommended maintenance procedures. It breaks down ongoing maintenance into daily, weekly, monthly and quarterly tasks that help keep TUNet running optimally.

Join two of our top TUNet troubleshooters for best practices on:

- Achieving and maintaining gateway health
- Monitoring active events
- Working with KPIs to monitor for issues and trends
- Establishing a database backup schedule
- Inspecting base stations
- Monitoring exception reports
- Reconciling CIS/TUNet

Presented by:

**Derek Ziehl**
Senior Field Systems Engineer — Tantalus Systems Corp

Bachelor of Electrical and Computer Engineering (2014), Oregon State University

Derek primarily focuses on system designs for current and potential customers, server debugging and maintenance, and helping to support customers by diagnosing and resolving technical issues related to TUNet deployments. He works actively with customers from a prospective status through full deployment to personally ensure their TUNet system is operating to their desired standard.

**Brook Marin**
Manager, Field Operations — Tantalus Systems Corp

Bachelor of Wireless Engineering (2006), Auburn University

Brook has been with the Tantalus Customer Operations group for over seven years. His various customer facing responsibilities include project management, solution designs, technical support and managing the Field System Engineers. With nearly 14 years of AMI experience behind him, Brook prides himself on being able to assist customers at any stage of their relationship with Tantalus.
Using Tantalus Data for Outage Notifications and Low Voltage Alarms

Morristown Utility Systems and Milsoft Utility Solutions join forces to describe the details of a Milsoft OMS deployment in TUNet and share the lessons learned.

In this session, Mike Fawbush, Manager of Technology and Networks, will describe how Morristown employs a combination of Tantalus products to assist their Operations department.

Brian Watson, Senior Account Manager, will discuss how Milsoft manages this kind of data as it relates to the following:

- OMS integration
- Ability to receive quick, verified, outage reports from meters to detect outage areas
- Allowing the post to the web outage viewer and even relay via text message to customers that we are aware of the outages that are occurring
- Managing events vs. outages
- When meters can to trigger voltage, temperature or current alarms, we want to be able to visually represent those events and create work items from them
- How data availability has changed analyses to snapshot analysis, where system losses, voltages, currents are calculated based on incremental AMI data reads
- How this allows users to validate the accuracy of the model and be more precise with analysis results

Presented by:

**Mike Fawbush**
Manager of Technology and Networks — Morristown Utility Systems

**Brian Watson**
Senior Account Manager — Milsoft Utility Solutions

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**Time permitting, all sessions will end with an opportunity to ask questions.**

October 20, 2019 Sessions and presenters are subject to change.
The Benefits of SCADA over TUNet

Are you considering using SCADA over TUNet? Morristown Utility Systems presents the business case for deploying a SCADA system over TUNet and shares the lessons learned in the process. Their vendor, Advanced Control Systems, will discuss the capabilities of their solution and how it integrates with TUNet.

Presented by:

Jody Wigington
General Manager & Chief Executive Officer — Morristown Utility Systems

TBD
— Advanced Control Systems

Time permitting, all sessions will end with an opportunity to ask questions.

October 20, 2019 Sessions and presenters are subject to change.
Presenting C&I Metering Data to Consumers

Do your C&I customers want a portal? The City of Crawfordsville presents the business case for deploying a customer portal using C&I data from a TUNet deployment and shares the lessons learned in the process. Their vendor, Automated Energy, will discuss the capabilities of their solution and describe how it integrates with TUNet.

Presented by:

James Rodewald
Engineering Director — City of Crawfordsville

TBD
— Automated Energy
The Benefits of PrePay

Is your utility considering implementing a prepay system? The City of Albertville presents the business case for deploying a prepay system alongside TUNet and shares the lessons learned in the process. Their vendor, Exceleron, will discuss the capabilities of their solution and describe how it integrates with TUNet.

Presented by:

**Chris Reaves**
Billing Supervisor — Municipal Utilities Board of the City of Albertville

**TBD**
— Exceleron
Streetlight Control over TUNet

Discover the benefits and features of a streetlight control system over TUNet. The City of Newberry presents the business case for deploying the LED Roadway integrated streetlight control system over TUNet and shares the lessons learned during the field trial. Their vendor, LED Roadway, will discuss the capabilities of their solution, how it integrates with TUNet and their road map for upcoming enhancements.

Presented by:

Tim Baker
Utility Director — City of Newberry

TBD
— LED Roadway
Leveraging TUNet Data to Simulate your Distribution Network

Did you know you can run analytics using data from TUNet? Learn about our partnership with Utilismart and how ODS Online Data Solution leverages data from TUNet to simulate your distribution network.

This pre-integrated cloud solution performs power flow analysis in near-real time so that utility staff, including field crews, can predict outcomes before transferring loads, restoring power and/or connecting new loads and distributed energy resources.

Discover how Tantalus utility customers have transformed engineering operations to embrace distributed energy while improving network reliability, operations efficiency, asset management, system planning and customer satisfaction.

Presented by:

TBD
— Tantalus Systems Corp

TBD
— Utilismart

Time permitting, all sessions will end with an opportunity to ask questions.
October 20, 2019 Sessions and presenters are subject to change.
Intelligent Devices over TUNet

Discover the value of S&C TripSaver and the TUNet analytics that can help utilities determine where best to apply these devices. Laclede Electric Cooperative presents the business case and lessons learned while deploying TripSavers on their distribution grid. Their vendor, S&C, discusses the capabilities of their solution and the benefits of connecting these devices to TUNet.

Presented by:

**Kris High**
Engineering Technician Supervisor — Laclede Electric Cooperative

**TBD**
— S&C Electric Company
Taking Charge with TLMS and Load Champ: Challenges, Opportunities and Control of EVs and Large Loads

Do you have large loads in your system that you wish you could manage? Are you concerned about the impact electric vehicles will have on your utility? Hear from Tantalus customers who have direct experience with TLMS (Tantalus Load Management System) and Load Champ, an exciting new development in Tantalus load management solutions.

- Learn how Load Champ extends the capabilities of TLMS by directly managing loads too large for traditional controllers.
- Hear directly from Crow Wing and Blue Ridge as they describe their experiences and plans for managing large residential loads and EV charging.
- Learn how you can put Load Champ to work at your utility.

Presented by:

Patrick Goff
Manager of Power Quality — Crow Wing Power

Carla Stone
Manager of Energy Services — Blue Ridge Electric Co-op

Time permitting, all sessions will end with an opportunity to ask questions.

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