

Caltron Chandler Tech Expo

October 2nd 2025

Session 1 – OnePlant: Simplify Projects, Streamline Operations

Modular construction has emerged as a powerful innovation for reducing construction costs while enhancing the quality of process plants. However, it often results in isolated units small, standalone process modules that either operate independently or require complex integration. The OnePlant approach addresses this challenge by enabling seamless connectivity and unified operation across modular systems.

Session 2 – Boiler Safety & BMS

Session #2 will cover boiler basics, types of boilers, and design best practices for combustion systems (fuel trains, burners, ignition/flame detection) and Burner Management Systems (BMS). The BMS ensures safe firing and shutdown of boilers, improving safety and reliability.

Session 3 – Boiler Controls

Industries must improve safety, efficiency, and emissions control. This seminar covers key combustion components—Fuel Train, Burners, Ignition, BMS, and CCS—and their role in safe, efficient firing. Topics include multi-burner systems, variable fuels, and low NOx compliance. Ideal for operations, engineering, and maintenance professionals.

Session 4 - APC Program Management

APC projects are known for their quick payback and relatively low capital investment requirements. However, achieving and sustaining that value can pose several challenges. This session will guide you through the process of deploying APC throughout your facility for the first time. We'll also cover how to unlock additional value by coordinating your APC controllers and how to maintain it to ensure its continued delivery of value for years to come.

Session 5 – Digital Journey to Energy Management & Carbon Accounting

As the carbon market continues to mature, organizations require a comprehensive and effective approach to managing a complex web of regulatory, ESG, production standards, credit, and offset generation protocols, and reporting requirements. This session provided the information on how to de-risk the verifications and auditing process.

Session 6 – Leveraging Asset Data to Drive Business Results

Managing operational assets can be challenging due to inaccurate data. This session explores the benefits of a modern asset data program for Maintenance, Reliability, Turnaround, and Asset Management. By leveraging People, Process, and Technology, you can improve business efficiency and decision-making with accurate, reliable, and contextualized asset data.

Session 7 – Reliability Improvement in a Digital Age

While technology and smart systems are arriving at an increasing pace there is still a need to ensure that Reliability foundations are well established to take advantage of this new tech. In this session we will review the foundational elements of a strong Maintenance & Reliability and how they support the adoption of advanced condition monitoring and diagnostics.

Session 8 – Navigating Designs: Motor Control Centers (MCCs), Motors & Variable Freq. Drives (VFDs)

Modern MCC designs enabled accelerated project timelines while reducing installation and commissioning costs associated with low voltage MCC projects. In this session, modern, best practises that include innovative assembly process ensure you get what you want when you want it.

Session 9 – Optimizing Operations through Data Driven Decisions – How to get Started

Session 10 – Caltrol Clarity™ Remote Vibration Monitoring Program

Stop running to failure. Start running with Clarity. This session will demonstrate how continuous monitoring, advanced diagnostics, and remote access capabilities help reduce unplanned downtime, extend equipment life, and improve safety. See how Caltrol Clarity combines convenience and intelligence to keep your operations running at peak performance.

Session 11 – Asset Reliability

“What’s in the Box?” This session will highlight how real-time data collection and edge analytics provide actionable insights into asset performance, enabling improved uptime, reduced maintenance costs, and smarter reliability strategies. Learn how this technology fits into a broader reliability program and how it can deliver immediate value in critical operations.

Session 12 – Wizard of Ops: A magical Journey into Procedural Automation

Startups, shutdowns, and other major transitions can be stressful periods for an operator. Standard operating procedures (SOPs) walk the operator through these events, but they can be challenging to follow. These complications can have profound financial impacts. This session shares on how a developed set of work processes to effectively transform outdated SOPs into a guided, semi-automated process. Results including greater operational consistency, increased throughput capacity, and reduced risk of trip and failures will be reviewed.