

Caltrol 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 – Chad Vollman, Spartan Controls – Manager, Combustion

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 – Chad Vollman, Spartan Controls – Manager, Combustion 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 – Devin Marshman, Spartan Controls, APC Solutions Architect

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 - Warren Mitchell, Spartan Controls – Director, Industry Digital Solutions

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 – Kyle Petsuk, Spartan Controls – Manager, Valve & Measurement Reliability

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 – Warren Mitchell, Spartan Controls – Director, Industry Digital Solutions

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) – Doug Wynne, Spartan Controls, Product Manager PowerVue

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 - Kyle Petsuk, Spartan Controls – Manager, Valve & Measurement Reliability