



## SPAS West Texas

# Petro-technical Seminar West Texas

September 25, 2024

Ballroom C, Bush Convention Center, Midland, Texas

### Message: Sustainable Intelligent Action and Connection from the Edge to the Enterprise

A uniquely powerful combination of connected domain knowledge, real-time automation, and edge intelligence with automated insights for better decisions and execution across all cycles at speed to continuously optimize operational and production performance, reduce costs, and reduce carbon footprint.

### AGENDA

8:00 – 8:30	<b>Arrival &amp; Registration</b>	
8:30 – 8:45	<b>Welcome to SPAS and Safety Moment</b>	Davis Scott – Sensia
8:45 – 9:00	<b>Transforming the Oil &amp; Gas Industry: Sensia and SLB Mission &amp; Vision.</b>	John Wilkins – Sensia
9:00 – 9:45	<b>Combine industry-wide instrumentation and automation experience with deep domain knowledge in Oil &amp; Gas to provide impartial professional advisory services toward the cost-effective and practical digitalization of processes and operations.</b>	Nael Sadek – Sensia Sustainability – Compliance
<p><i>Digital Advisory Services &amp; Solutions (DAS) is Sensia's digital analysis and business consultancy team. DAS provides vendor-neutral digitalization consulting and business analysis throughout the production chain, from the petroleum field (wells &amp; facilities) to the final delivery point. Sensia offers world-class expertise to perform digital transformation analysis in upstream, midstream, and downstream to evolve partial or complete solutions that best align with customer business goals and objectives and improve management and visibility while providing a return on investment. We have established a global track record with major operators, independents, national oil companies, and governmental regulators. Learn how others in the Industry have collaborated on the digital transformation process, uncovering solutions that are fit-for-purpose, cost-effective, and maximize ROI.</i></p>		
9:45 – 10:00	<b>Break</b>	

---

10:00 – 10:45 **Delivering Value in your Process Automation ecosystem: A real-world approach to Communications, Networks, and Cyber Security.** Nolen Moss – Sensia Sustainability – Optimization/Compliance

**How safe is your network? Is your infrastructure and architecture designed to prevent malicious attacks?**

*Learn how we have helped a major North American Oil and Gas Company assess and plan their Cybersecurity approach for both Brown Field and Green Field operations. Sensia is able to help by performing cybersecurity assessments and help determine compliance with international cybersecurity standards and how we helped identify the main vulnerabilities and risks in this real-world case study. Our scope of work included:*

- **Asset inventory:** list of all the assets identified during the assessment process.
- **Vulnerability assessment:** description of the vulnerabilities identified during the assessment process using tools and the data gathered.
- **Cybersecurity assessment:** detailed analysis of the infrastructure and its compliance level with the selected standards and general risk level
- **Standard risk assessment:** high-level cybersecurity risk assessment.
- **Action plan report:** action plans and prioritization according to findings and maturity level.
- **Executive report:** summary of all the previous findings.

---

10:45 – 11:00 **Break**

---

11:00 – 11:45 **Integrated Workflows for connecting the oilfield.** Marc Baarda – Sensia Sustainability – Compliance/Decarbonization

*Having an integrated solution from start to finish that ensures data quality, completeness, and accuracy is a challenge for any organization. With the integrated workflows, customers have the tools in hand to manage their assets from an instantaneous operational perspective by monitoring and analyzing the data near real-time to increase efficiency. The same data is subsequently used to feed the daily and monthly allocation processes to manage the company-wide operations. The allocated data forms the basis for regulatory reporting, partner reporting, forecasting, and decline analysis. Having a single source of truth with full traceability and auditability strengthens a company's confidence in making the right decisions.*

---

11:45 – 12:30	<b>Driving Standardization and Efficiency in Well Pad Automation for a Faster Time to Production</b> <b>Technology: Intelligent Core &amp; Process Automation</b>	Zack Munk – Sensia Sustainability – Optimization/Compliance
<p><i>Changing or modernizing control systems can be a time-consuming and costly exercise. Our customers prefer a design-once-build-many strategies that is flexible, scalable, and reusable. With the Multi-Well Pad Process Automation, the high cost to design, build, and test new control systems can be reduced significantly with the flexibility and scalability of a control system capable of managing artificial lift and production testing. Benefits can represent valuable savings on Engineering labor for designing, building, and testing a control system with reusable Controller and Visualization applications with scalable hardware architecture and flexible I/O options.</i></p>		
12:30 – 1:15	<b>Lunch</b> <b>Reconvene with Enabling Technologies</b>	
1:15 – 2:00	<b>Leveraging Edge Applications for Infield Analytics to Drive Intelligent Action (Reduce Carbon Footprint)</b>	Ian Dowdell – Sensia Sustainability – Optimization
<p><i>New edge applications can provide deep insight into high value assets. Like an x-ray provides a specialist with a clearer picture under the skin, so too can a properly architected edge application. Large amounts of data can be distilled down to a few contextualized results that can have immediate impact to production and invaluable troubleshooting insight. You will learn how we are utilizing Artificial Intelligence to provide autonomous event recovery to reduce downtime and lengthen the life of a ESP system, and how we are utilizing power system analysis to unlock diagnostics through edge computing. Do you have your own needs for edge analytics? We will explore the features and some use cases of our open software development kit, all enabled by the QRATE HCC2 platform.</i></p>		
2:00 – 2:45	<b>Innovative/Leading Ultrasonic Flow Meter product designed and tested for Supercritical and Dense phase CO2</b>	Kris Harkins – Sensia Sustainability – Optimization/Decarbonization
<p><i>Balancing field-proven reliability and exceptional accuracy with simplified installation, a smaller footprint, and reduced maintenance using ultrasonic flowmeters – we are proud to be setting new measurement standards across gas, liquid, and LNG applications. Including our flagship LEFM 500 series ultrasonic meter technology for accurate measurement of CO<sub>2</sub> in the liquid and dense supercritical phase – learn how our USM products contribute to significant CapEx and OpEx advantages.</i></p>		

---

2:45 – 3:45	<p><b>Production Operations – Intelligent Field Solutions</b> <i>Monitoring and surveillance solutions for artificial lift performance improvement</i></p> <p><i>Welcome to the next era of operations with Edge AI. Connect complex infrastructure to the digital world, even in remote locations. Edge intelligence delivers real-time insights where data is generated. Increase operational efficiency and performance while reducing costs and HSE risk exposure. Discover solutions such as Rod Lift and Gas Lift optimization, Virtual Flowmeter, and Production Chemical optimization, and see how they can help you achieve your goals.</i></p>	Camila Ortiz – SLB Production – Rod Pump, Gas Lift, Virtual Flowmeter, and Production Chemical Optimization
3:45 – 4:00	<b>Wrap-Up and Q&amp;A</b>	
5:00– 7:00	<b>Hospitality Gathering</b>	

---