

## **ABSTRACT**

### **Beyond data analytics: AI and Quantum Computing for unconventional resources**

How to integrate data, artificial intelligence and quantum computing into a platform architecture to reduce uncertainty and improve operational decisions in drilling, completion, and production.

This training presents a practical approach to transforming operational data into actionable intelligence by integrating data infrastructure, artificial intelligence, and quantum computing.

Through the concept of the technological triad—Data + AI + Quantum—the unification of structured and unstructured information will be analyzed, enabling the creation of the technical context for operations and the anticipation of decisions in high-uncertainty environments such as unconventional developments.

The course will address the current state of AI in Oil & Gas, its real limitations, the practical potential of quantum computing under hybrid classical-quantum architectures, and how both technologies converge in operational systems applicable today.

Concrete applications in drilling and completion, production, maintenance and logistics will be presented, along with a strategic workshop focused on identifying real opportunities within the participants' operations.

## **INSTRUCTORS' BIOS**

### **\* Martin Sajon Bio**

**Martin Sajon** is a technology entrepreneur and cybersecurity expert with over 15 years of experience building and scaling companies until acquisition. Throughout his career, he founded and led companies such as ISNS and Neuralys (acquired by Coalfire), where he developed advanced solutions for vulnerability management and threat defense in complex enterprise environments. He also served as Managing Principal and Field CISO at Coalfire, advising Fortune 500 on resilience, threat management, and security strategy.

He is currently CEO and Co-Founder of "Q99", where he is driving the development of a self-evolving intelligence platform that integrates dispersed data using AI and quantum computing. His approach combines strategic vision, technological architecture, and an ecosystem approach to design systems that overcome the limitations of classical computing.

His work focuses on creating platforms that break down information silos and discover patterns invisible to traditional AI and enable faster and more robust decision-making in high-critical environments.

### **\* Facundo Siviero Bio**

**Facundo Siviero** is an engineer with over 15 years of experience in the energy industry, in drilling and completion roles, operations, continuous improvement, and digital transformation. He developed his career at Chevron, working on conventional and unconventional assets, in both planning and execution, integrating well engineering with digital tools and advanced data analysis.

Throughout his career, he has driven continuous improvement initiatives, developed technical models for operational optimization, and incorporated monitoring and analytics tools to improve performance, reduce NPT, and strengthen data-driven decision-making.

His profile combines direct field experience with skills in programming, modeling, and data science applied to real-world operations. He currently serves as Head of Energy Markets at "Q99", a startup focused on the convergence of

Data, Artificial Intelligence, and Quantum Computing to solve complex challenges in exploration, drilling, and production. His work centers on transforming emerging technologies into concrete applications for the energy industry.