



ELITE'S PROFESSIONAL SERVICES



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Value of Information in Oil & Gas Decision Making

In oil and gas operations, good decision-making is built on the foundation of reliable, fit-for-purpose data. The critical phases of project planning, such as the select and define stages, are when decisions about measurement devices and their placement should be made to ensure the highest data accuracy. For instance, a flow measurement accuracy of 1% may require separating and processing fluids for single-phase flow, which could influence the conceptual design of processing facilities.

A frequently overlooked aspect is contingency planning. Not accounting for the reliability of equipment and the availability of accurate data at the end of an asset's life can result in poor investment decisions, increased total cost of ownership, and reduced recovery. Cost-saving measures made early in the project may initially seem beneficial but often lead to challenges later. Elite's expertise ensures that engineers and managers have access to accurate data, enabling better decision-making throughout the asset lifecycle. In addition, robust measurement practices form the foundation of successful automation.





Elite Advisory Services


Managing production from upstream hydrocarbon assets requires an integrated approach to understanding what data is needed, where it should be measured, and what tools should be used. With decades of experience spanning operations, reservoir management, production, and process engineering, Elite's knowledge covers the full spectrum of measurement, allocation, and the use of advanced technologies like AI and ML. This expertise enables Elite to provide comprehensive guidance that ensures data reliability and accuracy.


Business Areas and Expertise


Elite advises on data gathering strategies, accuracy requirements, measurement locations, and the best metering techniques for effective production management. This guidance is most effective when integrated early in the project lifecycle, with ongoing support as the project advances. Elite's advisory services cover:


 Field Development Planning


 Conceptual Design

 Detailed Engineering Design

 Installation and Commissioning

 Operations

 Maintenance and Calibration

 Optimizing Asset Performance through Measurement Systems

 Integrated Asset Modelling

Elite's advisory services ensure reliable data flows throughout the asset lifecycle. This contributes to reduced health, safety, and environmental (HSE) risks, optimized production, lower business risks, and a minimized total cost of ownership. Key offerings include:



Input into conceptual design



Well testing and bottom-hole measurement planning



Creation of operational philosophies



Data acquisition, maintenance and calibration scheduling



Development of measurement and allocation strategies



Workflows for system integrity, optimisation and integrated modelling



IIoT for Digital Fields

Elite advisory enables the integration of the Industrial Internet of Things (IIoT) for automating remote facilities, ensuring system integrity, managing operations, designing engineering workflows and optimizing production. This includes enhancing financial transactions, such as fiscal measurements, and supporting greenhouse gas emission reporting. Prepared for emerging technologies like AI and ML, Elite helps clients maximize asset value while supporting sustainability initiatives.



Advisory for Digital Fields

Elite's advisory services on measurements and measurement systems will enable the reliable flow of data to enable activities and associated engineering workflows, that will result in reduced HSE risk, reduced business risk, optimised production, increased asset value and reduced total cost of ownership.





IIOT for digital field



Safeguarding and automation of not-normally manned remote facilities, offshore satellite platforms and subsea completions.



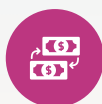
System Integrity (e.g. staying within operating envelopes, sand detection, corrosion inhibition)



Operations management (e.g. flow assurance)



Production optimization (e.g. artificial lift optimisation, optimisation against surface constraints and choke settings, waterflood optimisation)



Financial transactions (e.g. fiscal measurements at custody transfer, royalties)



Commercial allocation (allocation of production and stock entitlement)



Reservoir Management (pressures and volumes produced from wells and reservoirs)



Preparedness for emerging technologies (AI/ML)



Greenhouse gas emission reporting.