Optimise your production, reduce costs, and improve safety

Discover comprehensive solutions for your upstream operations
Expertise you can depend on

As an oil & gas producer your challenges are numerous and hard to master. Maximising profit, reducing risk, and complying with regulations, as well as meeting the needs of remote fields and facilities, are among your goals. On top of all that, keeping your upstream operations running optimally means continual investment in your people, and careful management of knowledge transfer.

As a leading partner for the O&G industry, Schneider Electric can help. We have solutions for all your key upstream challenges as well as years of expertise and insight that some of the biggest O&G producers in the world already rely on.

Your people, our services and solutions

Our solutions and expertise help you optimise production by improving safety, stability, and efficiency throughout your upstream operations. Schneider Electric™ teams work with you during all project phases in an effort to maximise your return throughout your project’s economic life.

Moreover, our experience in modeling and simulation will equip your team with the knowledge and skills required to optimise project operational decision-making from inception to end of life.

The end result? Maximised reservoir recovery, a robust total return on investment, and the satisfaction of challenges mastered.

Optimise production

Our upstream offer helps you meet production targets at minimum cost, maximise production revenues or margins, and optimise planning and scheduling of production/maintenance phases.

Improve health, safety, and environment management

We offer leading technology to meet significant health, safety, and security challenges, while satisfying stringent technical requirements, standards, and regulations. Simulation, training, safety, and security solutions help reduce the risk of accidents.

Increase operational and process efficiency

Real-time visibility helps you maximise throughput, lower operating costs, and drive operational excellence. Improved enterprise reporting and predictive capability simplify decision-making. Shortened commissioning times help reduce time to first oil or gas.

Manage infrastructure optimally

Our solutions help you reduce CAPEX & OPEX thanks to precise supply chain management, as well as remote monitoring and control of wells and surfaces. Best-in-class power management and distribution optimises energy, and outage management, while energy management services increase safety and reliability while reducing costs.

* Based on previous data. This is not a guarantee of future performance or performance in your particular circumstances.

Master your upstream challenges
Integrate and enhance your upstream operations

Bringing upstream operations together like never before

Schneider Electric provides fully integrated services and solutions for your upstream operations, from offshore platforms and FPSOs to onshore fields and gas processing facilities, linking everything from the field to the enterprise level. That gives you flexible solutions covering automation, production, process and energy management, together with training, safety, and security, from a single project partner.

This holistic approach to upstream operations helps you reach an optimal balance between business and technical performance, safety, financial and environmental compliance.

Our upstream offer at a glance:

• A complete suite of differentiating software, services, and systems offers
• Integrated modeling and simulation based system for production, process, and energy management
• Open and flexible architecture for improved interoperability

Example upstream solution architecture

In a word: Open

Our solutions employ technologies based on open standards, to protect operational integrity and simplify the evolution of your processes.
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Integrated solutions for onshore and offshore fields, FPSOs, and FLNGs

Schneider Electric Smart O&G Field solutions give you greater control over key aspects of production, while keeping operational costs down. Real-time visibility of and control over equipment performance eases decision making, while process and energy management solutions help optimise extraction operations.

Meanwhile, our integrated safety critical applications are protecting thousands of upstream O&G employees and facilities worldwide, as well as helping producers to meet stringent regulations. High-quality training and simulations boost operator effectiveness and reduce the impact of staff turnover.

All of this adds up to better performance, greater reliability, and increased safety for your upstream operations. And peace of mind for you.

Our Smart O&G Field solutions include:

• Process automation and safety
• Enterprise information and control system
• Operation management
• Asset modelling and simulation
• Artificial lift optimisation and field automation
• 3D virtual training
• Abnormal situation management and safety systems
• Cybersecurity
• Energy management and control
• Instrumentation
• Consulting, engineering, and maintenance services

Key benefits by application

Onshore
• Optimised production efficiency
• Improved staff skills and facilitated knowledge transfer
• Workflow automation

Offshore
• Flexible energy & process management over life cycle
• Improved operator readiness
• Enhanced energy availability
• Flexibility to absorb engineering changes without impacting project delivery or production

FPSO/FLNG
• Reduced system weight
• Minimised on-board staffing requirements
• Reduced project execution risk and optimised costs
• Faster delivery

Improve safety, efficiency, and control for production operations

1,000+ installations around the world are already protected by our energy management and control solutions
Discover best-in-class solutions for oil & gas processing

Upstream processing made better

When it comes to planning, commissioning, and managing your oil & gas processing facilities, Schneider Electric has industry-leading solutions. Our end-to-end solutions, including main automation and electrical contractor expertise, get your operations online on schedule.

Moreover, we help you ensure optimal performance from your existing installations, while maintaining compliance with regulations and environmental standards.

Our processing solutions include:
- Abnormal situation management and safety systems
- Consulting, engineering, and maintenance services
- Cybersecurity
- Enterprise information and control system
- Energy management and control
- Instrumentation
- Integrated control and safety (ICSS)
- Modeling and simulation
- Operation management
- Process automation and safety
- Training

Benefits of oil & gas processing solutions:
- Reduced project complexity, thanks to main automation and electrical contractor capabilities
- Reduced project risk
- Optimised uptime and processing capacity

600 million+ hours

Process plants worldwide have run without failure on demand thanks to our process safety solutions.
As a global company, Schneider Electric can support your O&G operations anywhere in the world. Our support centres and local service teams provide a wide range of services for the entire life cycle of any installation.

As part of our consulting services, Schneider Electric experts provide key insights for operational risk management, electrical and process front end engineering design, factory acceptance testing, energy trading, and energy savings. They can help reduce your total cost of ownership through design applications, studies, hardware life-cycle management, and maintenance.

Our field services for O&G installations improve safety and reliability while minimising costs. We offer tailored service plans, training, and on-demand maintenance to help you assess, optimise, modernise, and maintain your equipment.

Map Key:
- Global O&G Expertise Centers (FEED & pre-sales support)
- Global & Regional Engineering Centers (large O&G projects)
- Specialised Engineering Centers (specific technology & expertise, including services)

Count on world-class O&G service and support

Schneider Electric employees worldwide are dedicated to the oil and gas industry.
Reduce your total cost of ownership.

Ask about our life-cycle management approach to planning, optimisation, and installation for a reliable, energy-efficient operation.

Make the most of your energy™