

# Electrical House Solution for Oil & Gas Environments

A complete power distribution solution for safe, reliable operations and reduced costs

Make the most of your energy<sup>SM</sup>

**Schneider**  
Electric™

Up to

20%

the space you can save with a  
Schneider Electric E-House solution\*

# Electrical House Solution for Oil & Gas Environments

Safe and reliable power distribution is critical in Oil & Gas operations, including onshore field, offshore platform, pipeline pumping stations, FPSO, refineries, and petrochemical plants. Without it, operators could see production come to a halt, personnel safety compromised, and profits significantly reduced.

Schneider Electric offers an Electrical House (E-House) solution that integrates major power and control equipment into a compact module. Factory-fabricated, the E-House shortens the time you need to initiate power to the operation and, even more importantly, reduces project costs and contingencies by up to 20 percent.\*

## A unique solution that delivers more than power

While you save power supply installation time and costs, your project realizes these significant values —

### **The most complete energy management solution for safe, efficient operations.**

E-House is an optimized integration of power and control, incorporating switchgear, motor control centers, variable speed drives, intelligent relays and energy meters, dry transformers, batteries, UPS, and complete intelligent building management and control solutions. This comprehensive solution saves up to 30 percent in auxiliary energy consumption costs related to climate control (HVAC), lighting and auxiliary power, security, and fire and gas management.\*

**Validated building design.** Schneider Electric offers building engineering expertise to ensure that your project's equipment complies with international standards, environmental restrictions, and local regulations.

### **Dedicated E-House application centers.**

Regional execution centers provide strong project management skills and an efficient supply chain, ensuring reliable, timely, and safe delivery of your project.

**Regional solution centers.** From Front End Engineering and Design (FEED) and conception to installation and commissioning, Schneider Electric experts based in a regional center provide the use proven tools from its wide portfolio and recognized architecture principles to deliver the solution you need. This helps to simplify project execution and reduce risk.

## More than a module

In addition to engineering and design proficiency, the Schneider Electric E-House solution reflects —

### **Design for streamlined on-site**

**installation.** E-House uses reliable, low-maintenance equipment, and is engineered for harsh environmental conditions, maximum transportation flexibility, and a small footprint that saves up to 20 percent of space requirements.\*

\*When compared to a traditional delivery process.



**Readiness.** Extensive testing and pre-commissioning of the complete engineered solution within the factory ensures the assembly is ready to use when it is delivered. Your project realizes up to 15 percent reduction in delivery and start-up time, compared to a non-prefabricated solution.

**Services and E-House lifecycle support.**

Schneider Electric provides specialized manufacturer support for your entire electrical system, delivering value throughout the system's lifecycle. Services include on-site preventative maintenance and remote diagnostic testing. Detailed training programs for operators and maintenance personnel cover all aspects of the equipment and control system design and operation.



**Reduce project risk**

The civil, mechanical, and electrical expertise incorporated in each custom-fabricated E-House solution returns benefits that minimize project costs and support performance —

- **Scalability** — panel design is easily adaptable for the equipment layout that you require now and in the future.
- **Provides safety** — while compliant and type-tested switchgear supports operator safety, optimized performance resulting from expert design and construction reinforces safety across project operations.

Up to

30%

the energy saved with smart  
building management and a  
precise HVAC system\*

- **Improves use of space** — E-House solutions save space compared to block buildings, allowing placement closer to usage.
- **Saves time** — your staff does not have to spend time constructing an electrical building on site. Skilled project teams coordinate time-critical delivery schedules.
- **Saves costs** — the Schneider Electric E-House reduces the capital expenditures associated with electrical substations.

**Bottom line.** Designed for efficient power distribution implementation, lower maintenance, and long life, Schneider Electric's E-House helps you reduce your total Oil & Gas project costs.

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