Modular prefabricated and commissioned switchrooms

- Fire rated for ingress / egress
- Cyclonic windloadings
- Seismic
- Fire suppression systems
- DC supplies
- Control, Protection and monitoring systems
- Manufactured Off site, no inclement weather issues, no delays
In today’s fast track environment, projects are required to be delivered in extremely short lead times, with high risk exposure due to reduced design, manufacturing, installation and commissioning schedules.

ABB as a leader in the electrical and instrumentation field has integrated and combined its product divisions into project group teams, where integrated systems including modular portable substations can be provided completely factory installation and pre-commissioned.

The approach reduces risks with respect to, coordination, interfacing, project management and at the same time reduces total installed costs to the customer.

In the past the concept of modular switchrooms has been perceived as a technically inferior solution, the garden shed concept, but with advanced design, materials and manufacturing techniques the modular substations can be placed in the most extreme environments.

**Modular prefabricated and commissioned switchrooms**

- Fire rated for ingress / egress
- Cyclonic wind loading
- Seismic
- Fire suppression systems
- Gas detection
- DC supplies
- Control, Protection and monitoring systems
- Environmental climate control

6.6 KV 2500 A 40kA Station Tie Switchboard / Switchroom being installed at NRG Gladstone Power Station.
The modular substations allow for the equipment to be factory installed and pre commissioned off site, thus allowing simple onsite civil works, installation and commissioning.

An ideal solution for remote sites or sites which are exposed to inclement weather or poor access soil conditions.

Mobilisation of site workforce can be dramatically be reduced with offsite switchroom construction, installation and pre commissioning of equipment.

**The complete solution.**

ABB offers a complete single source, providing a simple uncomplicated substation installation via this modular concept incorporating the comprehensive range of ABB primary and secondary distribution equipment from 500kV through to 415V, including protection control and monitoring systems.

**The complete package**
Within the vast product range ABB is able to offer a complete integrated package, that provides an engineered, co-ordinated and interface system harmonizing Power, Protection Control and Instrumentation within the pre packaged substations.

- Protection Relays for Transmission, Generation and Distribution
- Distribution Automation
- SCADA / EMS / DMS
- Substation Automation
- Power System Communication
- Metering
- Load management / Ripple Control equipment
- Power Transformers
- Distribution Transformers
- Low voltage Switchgear (up to 1000V)
- Medium Voltage switchgear (up to 36kV)
- Intelligent Switchgear solutions
- Outdoor switchgear (up to 36 kV)
- Instrument transformers, cast resin to 36 kV, and Oil filled to 500kV
- Circuit Breakers - High Voltage & Generator Applications
- Surge Arresters, Distribution and Station class
- Disconnectors.
- GIS Switchgear.
- High and Low Voltage Capacitors
- Harmonic Filters
- Power Factor Correction
ADVANTAGES:

Professionally integrated and expertly interfaced package from mV to kV
ABB is one of the largest electrical engineering companies in the world, ensuring continuance of supplies and service of all project portions.

ABB provides state of the art latest technology solutions that ensure optimum plant performance ABB is a global company with local resourcing

Single point of contact for any electrical / control fault allowing:
Quicker response with, No finger pointing and no excuses.

Quick fix times therefore Less down time

Maximum savings
Modular Substations can be as simple or as complex as the installation requires.

Call ABB for further details

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