

E-Houses & Product Packaging

Why ABB E-Houses ?



Typical E-House Installation

Background

During the 1990's, ABB recognized the evolving preference of global customers for an increased level of partnering on major projects. The drivers for this market shift were ;

- A desire to reduce site costs and risk exposures by adopting the E-House principal
- The need to package multiple equipment elements under single contracts to reduce coordination & product integration issues, reduce procurement costs, reduce project engineering & management resource requirements
- Requirement for greater project control in order to achieve predictable project outcomes

Product packaging and E-House solutions satisfy these requirements.

Underpinning the value of the E-House principal, is the ability to reduce onsite risk. Typical activities now performed off site as part of vendor scope are ;

- Mechanical installation of switchgears and equipment (including client free issue items)
- Installation of cable reticulation systems
- Electrical cabling between switchgears and equipment
- Pre commissioning of the fully installed equipment

Our Expertise

ABB has a global footprint of dedicated Modular Systems Business Units, specialising in Product Packaging & E-House solutions. These teams have the capability to support your project from concept design, to formal pricing through to project engineering & delivery.

Modular Systems core competencies include ;

- Project management
- E-House design and integration
- Equipment design & manufacture
- Supply third party equipment (eg DC Battery Systems & UPS)
- Equipment installation
- Cable schedules and electrical installation
- Document control
- Commissioning
- Logistics
- Site support



1. LNG Plant E-House Installation
3 Industrial Plant E-House Installation



2. Power Generation Plant E-House Installation
4. Above Ground Mining Skid

ABB E-House & Packaging Customer Benefits

Risk Mitigation

- Reduced site works and exposure to external factors than can cause delay & cost overrun eg weather, labour issues, material shortages
- Vendor responsibility for product element integration & interface

Project Schedule & Cost Control

- Reduced schedule based on extensive FAT and pre commissioning of completed E-House solution before delivery
- Efficient change management during manufacture and testing

Compliance

- Global experience with relevant codes and standards including IEC, NEMA, AS, BCA, GOST

Reduced Resources

- Reduced client resources for project tendering, engineering & project management

Project Management

- Single project management contact point for total package
- Project co ordination & supply chain management for ABB & non ABB product elements

Commercial

- Single set of commercial conditions for total package

Based on ABB's extensive geographic and market segment coverage, multiple E-House design and equipment options are available to meet local market expectations and requirements.

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