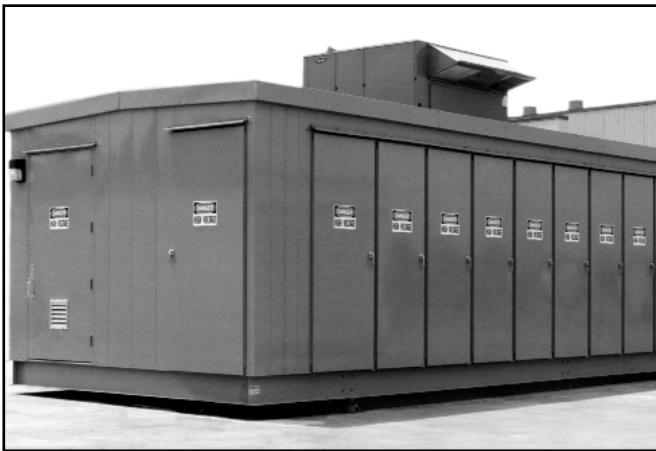




GE Industrial Systems

GE Equipment Centers **The Ultimate Package in Power Distribution and Control**

Avoid the inconveniences and expense of traditional site-constructed buildings and gain the collective advantage of GE Equipment Centers – a cost-effective solution to a broad range of power distribution and control needs. Each prefabricated, modular equipment enclosure is a self-contained, custom-engineered system in one simple package. Fully assembled in a controlled manufacturing environment, the completed units are ready for immediate installation and connection.



Equipment center standard features

- Pre-assembled & pre-tested
- Fully integrated custom-built enclosure
- Designed to national standards and codes
- Manufactured in a controlled environment
- Shipped ready for immediate installation
- Water-tight & weather resistant, including:
 - 100 mph wind load rating
 - Temperature extremes
 - Corrosive environments
- Typical products in an equipment center include:
 - Low & medium voltage switchgear
 - Motor control centers
 - Power management & monitoring
 - Panelboards
 - Transformers
 - Battery systems

Equipment center options

- Aluminum, stainless steel or fiberglass fabrication for special environments
- 101 - 150 mph wind load ratings, Seismic Zone 4 and heavy snow loading
- Exterior fire proofing
- Interior wall liners & insulation
- Special exterior finishes
- Provisions for bathrooms, offices, communications and maintenance room

The Power of Simplicity!
Pre-wired, pre-tested, ready to ship & install!

GE Equipment Centers

The Ultimate Package in Power Distribution and Control

Equipment Center vs. Conventional Building vs. Sheltered Aisle Switchgear

Factor	Equipment Center	Conventional Building	Sheltered Aisle Switchgear
Major Electrical Equipment	No difference	No difference	No difference
Ease of Purchasing	One manufacturer for all equipment	Multiple suppliers	Multiple suppliers
Design Engineering	Designed & engineered by one supplier	Purchaser must design & engineer	Purchaser must design & engineer
Construction	Materials vary based on application environment and structural requirements	Typically, concrete block	NA
Foundation	Minimal – curb or pier type	Full slab required	Full slab required
Base	Self-supporting, factory leveled	Purchaser provides channel base for leveling	Purchaser provides channel base for leveling
Internal Wiring	Factory wired complete	Job-site interconnection	Job-site interconnection
External Connections	Easy to adapt to overhead or underground conduit	NA	Exact conduit locations required, changes are difficult
Main Bus Interconnections	Coordinated by supplier	Purchaser coordinates match-up of main buses	NA
Bus Duct from Transformers	Checked for ease of assembly	Purchaser coordinates and assembles bus to switchgear	NA
Grounding Systems	Integral to equipment center	Must be planned & built into foundation	NA
Testing	Pre-energization tests can occur before installation and witness testing can be done at one location	Different equipment tested at different locations and witness testing done at multiple sites	NA
Changes	Can be made after functional testing & inspection in controlled environment factory	Limited ability to make changes	Limited ability to make changes
Receiving, Handling, & Storage	Arrives in single unit, easily unloaded, protected against elements	NA	Multiple units difficult to store, and purchaser arranges
Installation	Requires minimal number of trades	Requires many trades	NEMA 3R construction must be field assembled
Expansion	Modular, interlocking wall system construction allows for expandability	Space for expansion must be included in initial design and installation	NA
Commercial Treatment	Taxed similar to weather-proof equipment	Treated as real estate improvement, requiring building permits, progress inspections, bonding & insurance	NA

For additional information, contact your local GE Industrial Systems salesperson



GE Industrial Systems

General Electric Company
41 Woodford Avenue, Plainville, CT 06062
www.GEindustrial.com

© 2002 General Electric Company