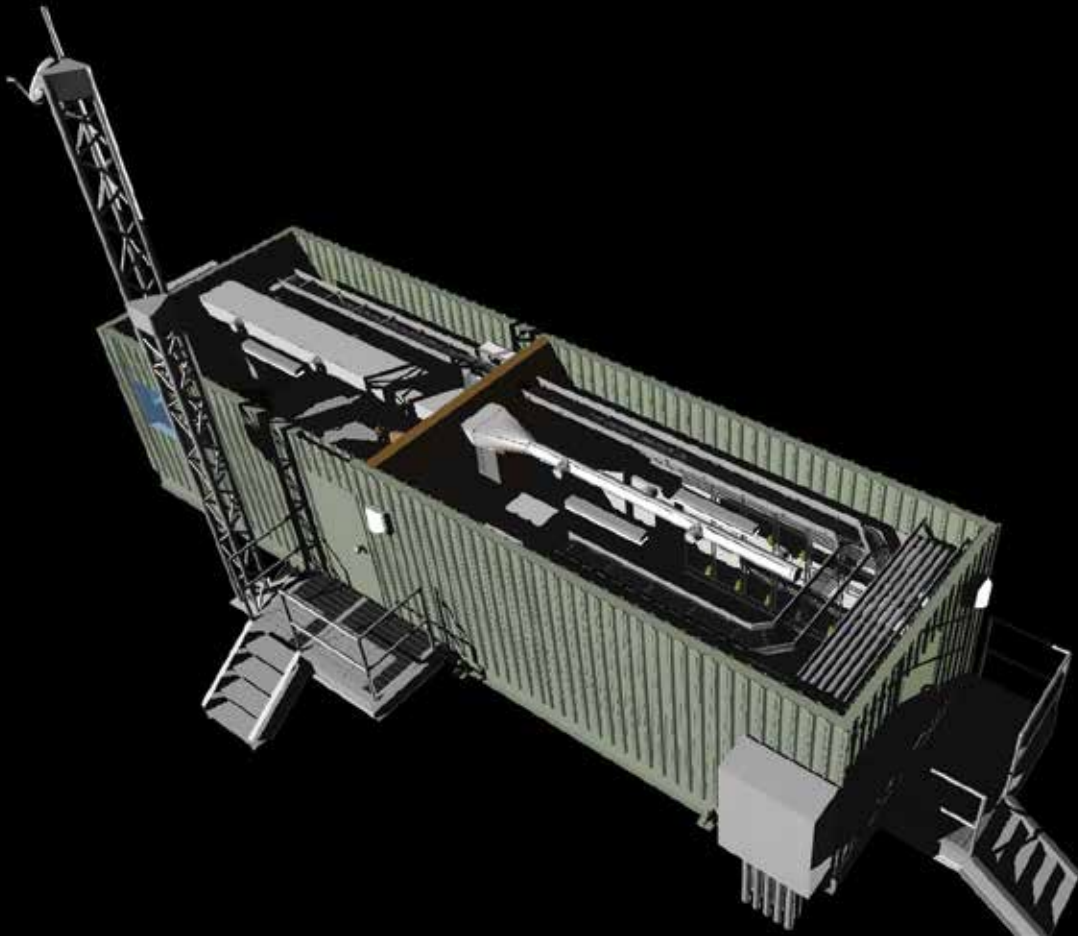




## MODULAR PREFABRICATED STRUCTURES



Highly customizable skid-loaded modular buildings and equipment packages

Accommodates virtually any kind of remote location utility function

Modular design and construction process provides flexibility to adapt to requirements

Standard and custom configurations



## **Prefabricated Utility Buildings and Packaged Field Equipment Solutions**

Northern Electric, Inc., (NEI) has long been recognized for its innovative approach to meeting the unique challenges of a project through experience and listening to its customers' needs – then designing and building to suit.

One of our areas of expertise is providing quality prefabricated utility buildings and skid mounted equipment assembly products to numerous industries.

Wherever robust reliable utility equipment packages and rugged modular utility building are needed, you can find your unique solution when you come to Northern Electric.

We provide a complete engineered package including building and structural steel design, electrical, instrumentation, mechanical equipment and piping installation, construction and testing. Our rigid QA/QC and project management processes ensure that a quality product is delivered every time.



*Planning and Specifying Design*

*BIM/AutoCad for Client Approval*

*Construction and Shop Testing*

*Delivery and Site Installation*

## **Northern Electric, Inc – Your Source for complete Turnkey Prefabricated Modules**

So, no matter what your project may be, if you need reliable prepackaged utility equipment modules on a fast track schedule delivered to a remote site, NEI is your vendor of choice.

And as value added, NEI has capacity within our company to provide you with the field services of our seasoned electrical and instrumentation crafts people who can install these units on your site for a complete turnkey project.

When you experience working with Northern Electric, Inc you will understand why our motto is "Only The Best".





## Electrical, Instrumentation and Other Applications

Northern Electric offers customized prefabricated electrical building solutions to suit any need. In addition to installing the major electrical equipment, we also provide a complete package solution including all building utility wiring. This includes all control interconnect wiring, conduit and cable systems, lighting systems, fire alarm design and installation, perimeter security and grounding systems. All of our solutions and packages strictly adhere to industry standards and all local and national codes.

### Applications:

- E-Houses
- Switchgear
- Protection and Control
- MCC/VFD
- Electrical Distribution
- Process Control/PLC
- Instrumentation
- Metering/Analyzer
- RTU/SCADA
- Communication
- Control Rooms
- Generators
- Pump Houses
- Process facilities



## Heating and Cooling Systems

Our buildings are supplied with pre-engineered HVAC units that maintain required interior temperature ranges, regardless of what the exterior environment might impose. These systems are also designed to maintain allowable operating temperatures of sensitive electrical equipment by compensating for any heat rejection from other electrical equipment loads within the structure.

### Features:

- Automatic re-circulating air systems
- Wall mount air conditioning units
- Platform/pad mount HVAC units
- Unit heaters
- Exhaust fans
- De-humidifiers
- Fresh air intake louvers
- Heat exchangers
- Purge and pressurization systems



## Structural Steel Buildings

Our in-house drafting and engineering team uses 3D CAD and BIM to design the structural steel and building packages to suit any application. Numerous options are available from the small Self Framing shed type building to the Rigid Steel Frame style of building. Our flexible operations allow us to provide the required package to suit your equipment needs. All skid structural steel and buildings are subject to a very comprehensive quality control program.



### Features:

- Self framing buildings
- Rigid steel frame buildings
- Shed style roof
- Gable style roof
- Modular
- Oversized structures with shipping splits
- Blasted and painted structural steel
- Wall/ceiling lining and insulation
- Under floor sprayed in Urethane or mineral wool insulation with aluminum cladding
- Pre-painted wall and roof panels
- Aluminum wall and roof panels
- Galvanized steel wall and roof panels
- Galvalume wall and roof panels
- Length up to 60 feet



## Design Options and Accessories

We offer a full range of building and structural steel options and accessories to suit any application or specification.

- Internal structural steel equipment supports
- Overhead Bridge Crane rails and hoist supports
- Building wall, roof, and trim color choices
- Removable roof and wall panels for easy equipment installation and maintenance
- Walk-in man doors
- Sliding doors
- Roll up overhead doors
- Door transom
- Door canopies
- Windows
- Eaves troughs, downspouts, and ice rakes
- Wall and roof vents with removable filters and winter blinds
- Platforms integral to the skid structural steel (HVAC units, transformers )
- Removable landings, stairs, platforms, and external walkways
- Framed wall openings (Cable tray, HVAC ducting, etc.)
- Floor openings (troughs) with removable covers
- Internal/external lighting
- Access Covers
- Battery Backup
- Emergency Generators
- Blast Resistant
- All-Steel Construction
- Sound Dampening
- Acoustic Packages
- Instrumentation Packages
- Equipment Packages
- Controls Packages
- Heat Trace
- Skid Resistant Flooring
- Security and Alarm Packages
- Safety Warning Systems
- Weather Monitoring





## Other Innovations

We are constantly devising innovations to improve our products. A few of our most popular innovations include:

- Extremely rugged designed and built module skid bases that make our units the most robust available in the industry
- Integral self leveling systems where foundations may not be available
- Integral communication tower bases to eliminate the need for large concrete foundations that require temperate weather to excavate and pour.
- Integral lifting points for forklift and cranes for "pick and place" of units on site



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