Advantages of modular vs conventional substations

What is a MITS?
MITS, or modular integrated transportable substation is an ultra-flexible modular substation solution designed to your specific needs. It is factory assembled on a self-supporting skid or trailer, creating an easily transportable design that can be quickly energized. Factory-assembled, wired and tested, the turnkey power substation reduces costs, time, space and labor.

Modular Integrated Transportable Substation (MITS) VS Traditional substation

What is the bottomline?
- **FASTER COMMISSIONING**
  - Getting a MITS up and running can be done **50% FASTER**
  - because it’s turnkey; factory built with all interconnections terminated and tested, allowing for minimal on-site work time
- **LOWER PRICE**
  - On average a MITS is **40% CHEAPER** than a traditional substation
- **SMALLER FOOTPRINT**
  - The average MITS needs **NEEDS LESS THAN 29%** of the space than a traditional substation
  - (516 sq feet v. 1768 sq feet)
- **LESS LABOR COSTS**
  - Building, installing and commissioning a MITS can be done with **33% LESS LABOR**
  - (30 days v. 109 days)
- **EASIER PROJECT MANAGEMENT**
  - You’ll have one point of contact; Eaton’s MITS project management team takes care of all the details and multiple vendor contacts

For more information or to take a MITS virtual tour, visit Eaton.com/mits

“Electricity outages disproportionately stem from disruptions on the distribution system (over 90 percent of electric power interruptions), both in terms of the duration and frequency of outages, which is largely due to weather-related events. Damage to the transmission system, while infrequent, can result in more widespread major power outages that affect large numbers of customers with significant economic consequences.”

— ENERGY DEPARTMENT 2017
Transforming the Nation’s Electricity Sector: The Second Installment of the QER: Chapter IV Ensuring Electricity System Reliability, Security, and Resilience.