ABB mobile substation
Versatile transportable solutions

ABB's mobile substation is a fully customizable solution to provide temporary or mobile power for medium and low-voltage applications.

Each mobile substation is designed for plug-and-play type field connections, with the ability to distribute power to any field loads.

Main features
ABB's mobile substation can be customized to meet various specifications, including:
• Protection schemes
• Advance diagnostics
• Electrical control
• Switchgear features (for example: ARC-resistant switchgear)
• Varying highway safety rules. These are taken into consideration in the design phase

ABB's mobile substation has enhanced safety features, such as:
• Relays located in a separate compartment with restricted access. Access is restricted to operations engineers only
• Cable connections built and engineered to trip upstream breaker if cable compartment is tampered with while the system is energized

Key benefits
• Mobility
• Operational efficiency
• Cost savings
• Customizable

Selected applications
• Maintenance: The mobile substation is used to provide temporary power while maintenance is performed on the permanent substation at a facility
• Temporary power: The mobile substation is used when power is needed temporarily at a site (i.e. well pads)
• Mobile power needs: The mobile substation is used to supply power at multiple locations within a facility (i.e. tailing ponds)

ABB offers service plans to maintain the mobile substation.