

Electrical Infrastructure Services



Wind energy is growing at a significant pace today in North America based on increased demand for power. At Eaton® we have leveraged our 100+ years of engineering expertise and service experience to develop modular electrical distribution infrastructure (i.e. collector systems, collector substations and utility intertie substations). Our solution reduces our client's time to market and guarantees flawless startup and commissioning.

Eaton delivers turnkey electrical distribution solutions that bring substations online in half the time. We call it "speed to grid."

Our three-step approach delivers a safe, reliable and proven solution...

1

Modular design and construction of electrical infrastructure



2

Guaranteed system commissioning and project management



3

Single point of contact backed by a national service network



EATON

Powering Business Worldwide

Substation assembly in record time using our modular design, in-house project management and highly skilled construction staff. Eaton's service organization ensures that our customers receive rapid response with over 800 engineers and field technicians across North America.



Benefits

I. Standardized Designs

Our engineers develop an efficient combination of prefabricated and on-site construction, therefore maximizing the speed to startup and power production. This approach also reduces on-site labor costs, heavy equipment rental costs and exposure to environmental variables. Substation assembly is achieved in record time using our modular design, in-house project management and highly skilled construction staff.

II. Reduced On-Site Construction Time

Eaton's experienced project management team ensures critical timelines are established and monitored, with corrective actions immediately implemented to ensure meeting proposed completion dates. The use of standardized designs, project checklists and experienced craft support provide for a continuous production cycle. The combination of Eaton's electrical substation construction experience and innovative designs results in reduced on-site construction time.

III. Single-Point of Responsibility and Service after Startup

Eaton maintains one of the largest teams of experienced electrical power distribution system engineers, as well as over 800 experienced and trained field engineers and technicians. With the wide geography of field services, Eaton maintains both a centralized supported and local focus on safety. Our goal is safety first while maintaining maximum efficiency. This large field service team can also offer ongoing service contracts to complete maintenance, as well as remote monitoring of critical failure indicators of electrical equipment. Immediate alarms are dispatched, while periodic trending recommends maintenance and inspection cycles.

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