



Substation Services

Dramatic changes in the electrical power generation and transmission industries have significantly affected the ownership of electrical substations. Once, virtually all electrical substations were owned, operated, and maintained by electrical utilities. Now, more and more industrial facilities are responsible for one (or more) Unfortunately, this new responsibility is not always accompanied by the qualified personnel or specialized equipment necessary to perform substation service and maintenance.

M&I Electric Industries, Inc., has carefully followed this trend and anticipated the effect of these changes on our customers. M&I has provided a full range of substation services for many years and we continue to develop new service products to meet new requirements. Our services have been carefully tailored to the requirements of industrial and cogeneration plants, and are designed to deal with new equipment, materials, and applications. We employ the latest in computerized test equipment, including the newest Doble unit.

M&I's substation services help address the challenges in substation maintenance. Relay test and calibration services confirm that protective relays are properly adjusted and calibrated to properly protect personnel and property in case of power system disturbance, while minimizing the likelihood of nuisance trips. Station battery testing confirms that the station battery will be able to perform to expectations in an emergency.

Our substation services are based on extensive experience in substation design, construction, and maintenance, coupled with careful attention to current developments in the industry. M&I engineers even develop special substation test equipment, such as a computerized time/travel recorder. And our technicians receive constant training to keep them abreast of the latest developments in substation equipment.

For these reasons, M&I confidently offers the following substation Electrical Services, by Design:

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- Earth Resistance and Ground Grid Testing
 - Transformer Testing, Maintenance, and Repairs
 - Oil Circuit Breakers (OCB) Testing, Maintenance, and Repairs
 - Air, Vacuum, and SF₆ Circuit Breaker Testing, Maintenance, and Repairs
 - Turn-key Substation Design, and Construction
 - High Voltage Cable Testing and Installation
 - Station Battery Testing, Maintenance, Rentals, and Service
 - Insulation Power Factor Testing (Doble)
 - Insulating Fluid Analysis



Service Available 24 Hours per Day

Houston
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(409) 838-0441

Lake Charles
(337) 528-9009

Singapore
(65) 6741-9000