



## Eaton's Engineering Services and Systems team provides life extension services on a Low Voltage ITE (ABB) Switchboard for a Hospital

### Project Highlights

- Upheld IEEE Standards
- Cost Effective Solution
- Exceeded Customer Expectations

### Eaton contact

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### Project number

CCKEPI12J0123

### PROJECT DESCRIPTION

Engineering Services and Systems responded to a public Hospital tender for the life extension of a Low Voltage ITE (ABB) Switchboard.

The scope, perform complete turn-key service for the design, supply, installation and test on 37 ITE (ABB) LV breakers which were past their useful life and required replacement due to safety, reliability and part availability concerns.

In the Eaton package new design and validation testing was included. Even though Eaton was not the preferred vendor, they were successful in securing the work based on price, and satisfying all tender requirements.

### Scope of Supply

Eaton satisfied all key project deliverables including commitment on price, quality, schedule, and adherence to IEEE standards. Project involved four (4) key items:

- Supply Eaton LVARs (600A & 1600A)

- New LVAR design (ITE breakers with limiters)
- New design testing including heat run test to satisfy IEEE requirements
- Class 1 breaker recondition (4000A ITE)

As a complete turn-key package Eaton also supplied:

- New cell doors
- New breaker cradle supply, functional test and check
- Wiring checks
- Input relay settings (as supplied)
- Complete test and commission

### Project Execution

Execution schedule was coordinated within site constraints. Project was implemented over 6 shutdowns, every other Saturday in

shutdown windows of 5hrs (12am to 5am).

Thorough project planning resulted in seamless product installation. Isolation coordination and associated safety plans were consistent and effective during all 6 shutdowns.

At the end of the project, customer was extremely satisfied with Eaton's performance. Hospitals expectations were exceeded.

As a result, Eaton is established as a trusted advisor for the Hospitals power system needs.



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