

# Siemens Sm@rt DAS

## NEC 240.87 Solutions

### What is the solution?

- **Simple, scalable** – Can integrate all MCCBs, ICCBs and Power Circuit Breakers in a single system
- **Consistent Architecture** - System can be used in most equipment including Switchgear, Switchboards, and Power Panels
- **Outside the Zone** - Maintenance switches can be mounted on a remote panel outside arc flash zone

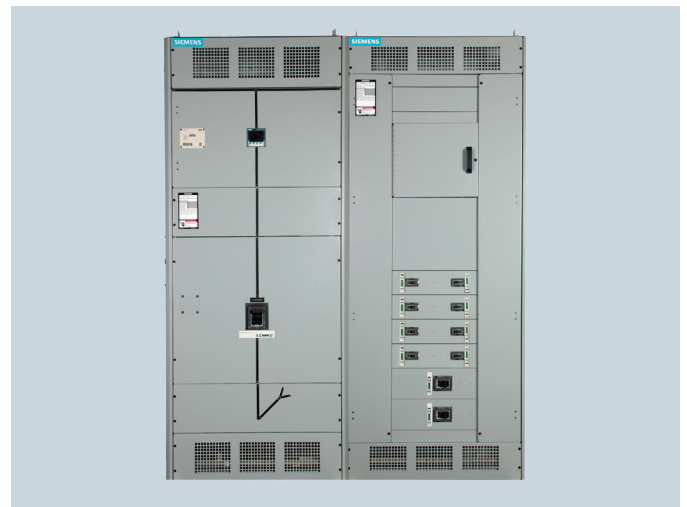


Figure 1. Switchboard lineup

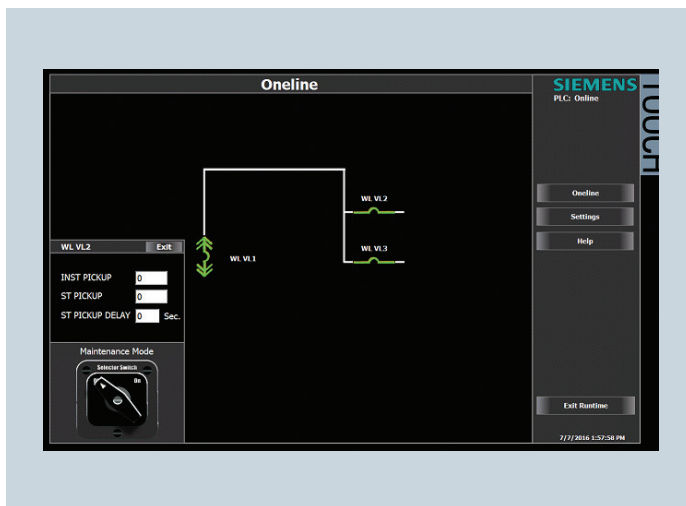


Figure 2. Optional HMI

### What are the benefits?

- Complies with NEC 240.87
- Scalable solution to add multiple breakers
- Can set instantaneous to any value -- not just fixed values
- Can be utilized on both WL, VL breakers
- MODBUS communication – allows for additional control over a SCADA system or local HMI

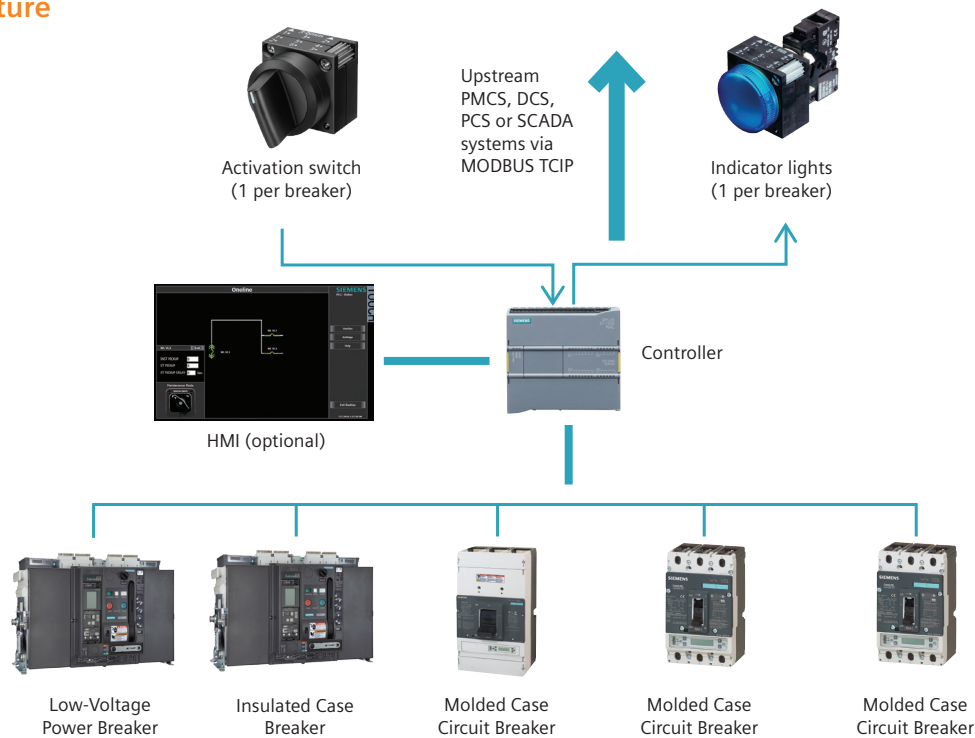
## Standard Features

- Siemens Sm@rt DAS controller with MODBUS TCP/IP
- MODBUS communication linking intelligent devices
- One light/switch per breaker
- Power/Insulated Case Circuit Breaker features
  - ETU 776
  - COM16 (MODBUS module)
  - Ability to change all protection setting parameters
- Molded Case Circuit Breaker Features
  - ETU 586
  - COMM021 (MODBUS module)
  - Ability to change short time and instantaneous protection setting parameters

## DAS Optional Features

- Optional single switch for entire system with indicator lights for individual breakers
- Optional HMI
  - Remote activation
  - Adjust trip settings on breakers

## DAS Architecture



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