

# Digital Substations

Protection, Substation Automation, Power Quality

## Process Bus Applications

### Customer Project

EPCOR  
Woodcroft Substation  
72 kV

### Siemens Scope

- Process Bus with Merging Units for conventional Instrument transformer 6MU8
- SIPROTEC 5 Devices 7VK87

### Application

- Synchrocheck and breaker Failure Protection
- IEC61850-9-2, IEC61850-8-1 MMS and GOOSE
- PRP network redundancy configuration

### Canada



### Overview

5 schemes with protection device and merging unit were already supplied for the synchrocheck and breaker failure application (Commissioning 03/2016). In the next step 3 Transformers will be upgraded to PB. Last step is the inclusion of the line protection.

For this station the customer is implementing Siemens process bus solution as main 1 and a conventional system from a third party as main 2.

