



# Modeling Distribution Automation System Components Using IEC 61850

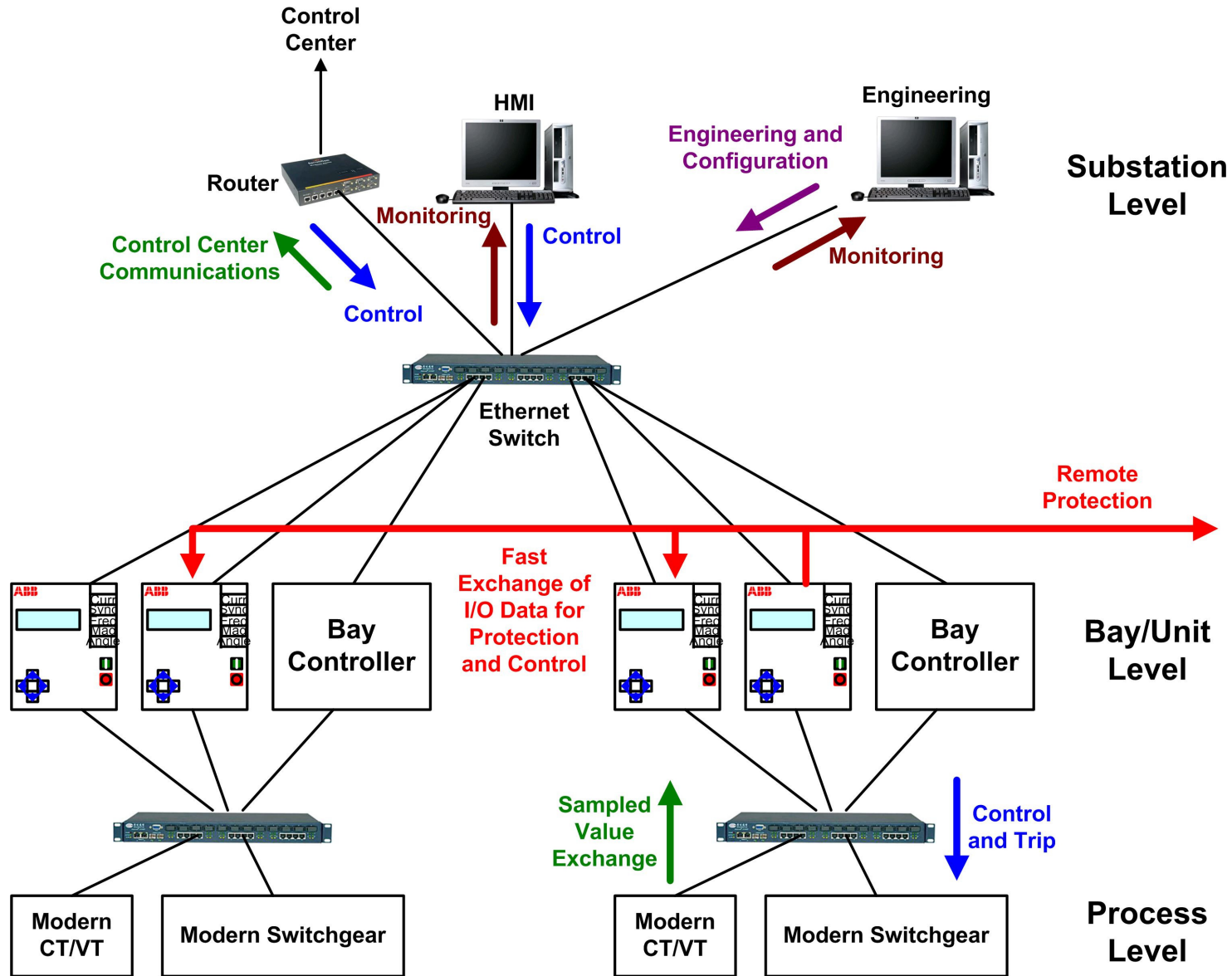
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# Communication within the Substations

## IEC 61850 Substation Automation Topology



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# Concluding Remarks

- IEC 61850 is a standard for communication networks and systems proposed originally for applications **within the substations**.
- Although applications for **outside the substation** are not covered in its current scope, it is generally believed that some of the **standard's features can be utilized** for control and automation functions in the context of **distribution and feeder automation systems**.
- This paper presented examples of how IEC 61850 can be used to model certain **DA related equipment, namely shunt capacitors, reclosers and transformer tap changers**.
- **Full presentation tomorrow 8:00 AM: Panel Session “DA as Part of Smart Grid Roadmap”, CTCC North Telus 102**

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