

Substation Protection and Control

Substation Protection and Control Systems:

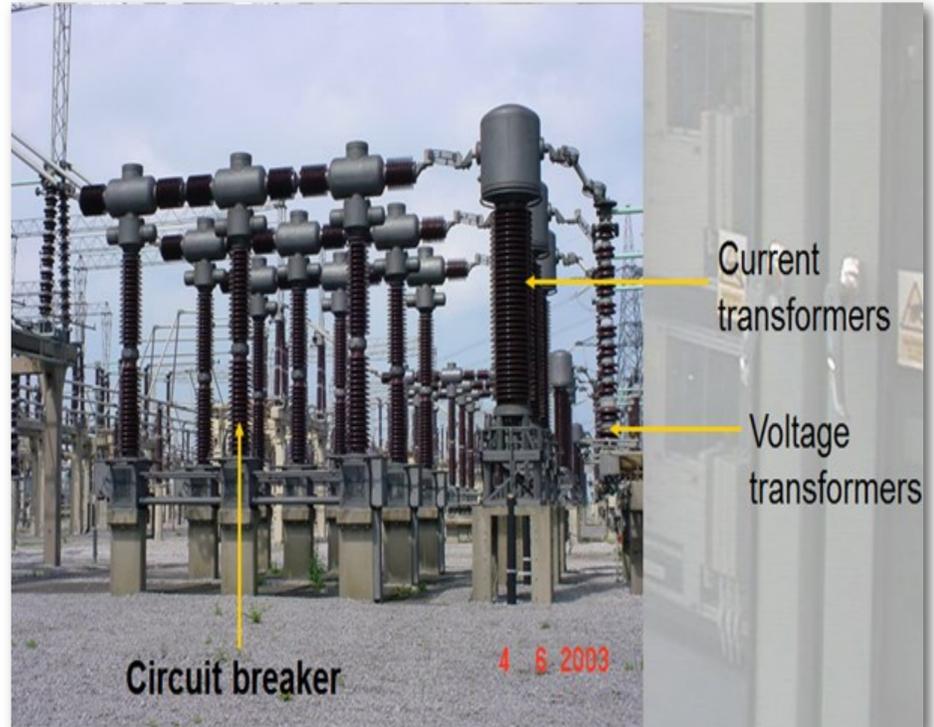
- They're the "eyes and ears" of the Electricity Transmission system.
- They needed to clear faults (an abnormal event) on the Transmission system to save lives and property.

Protection:

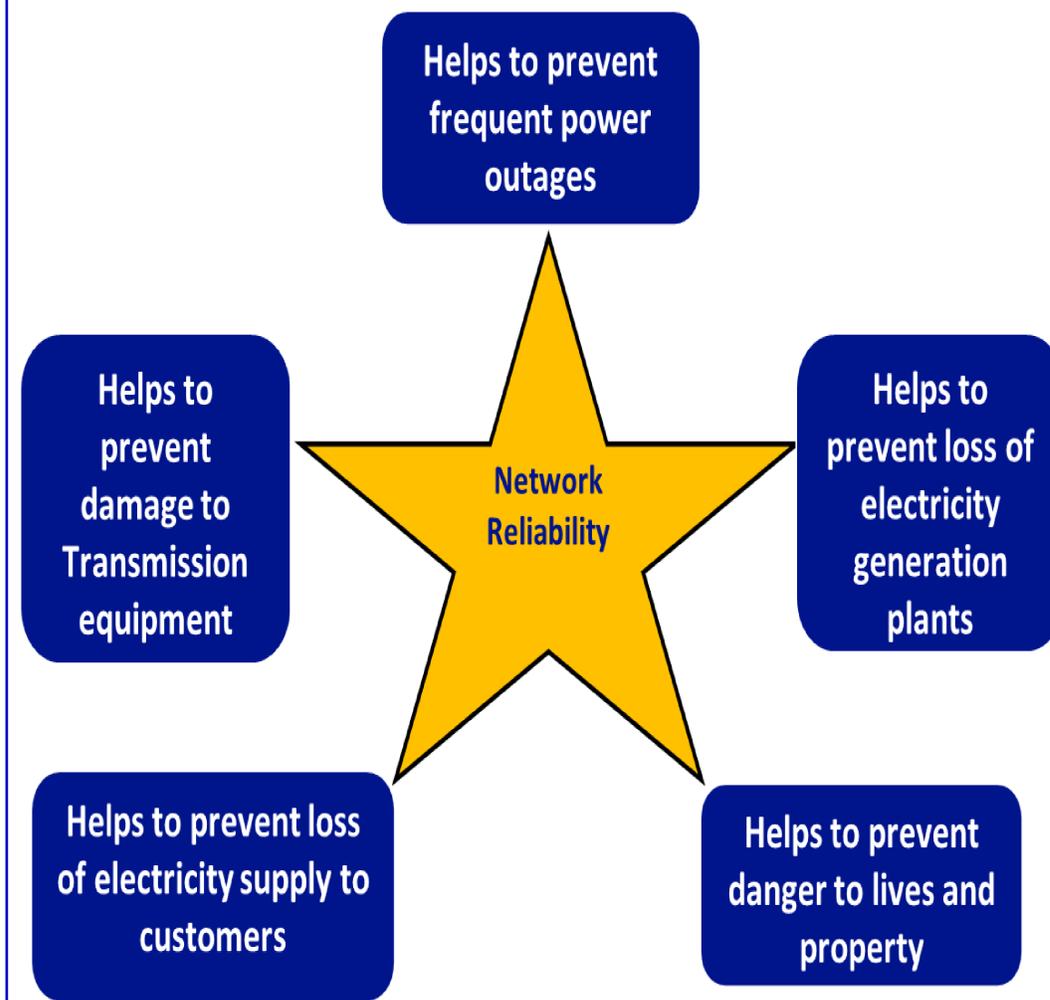
- It involves the use of Instrument transformers to measure electrical properties to detect faults

Substation Control Systems:

- It involves the use of various control equipment to provide information to the System Operator in order to understand the event so as to restore and secure the Network.



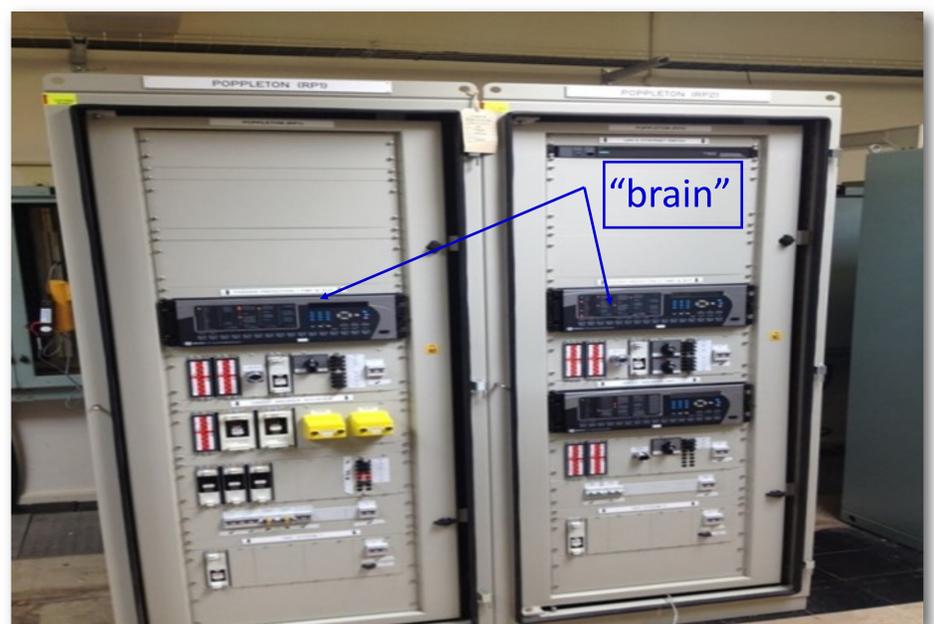
How does Substation Protection & Control Systems impact on network Reliability?



875 Control equipment

6,400 auxiliary Protection equipment

2,100 Protection equipment



Our approach:

- Continues engagement with our stakeholders and Supply Chain.
- Developing innovative and cost-effective solutions for our assets.
- Targeted asset replacement rather than full asset replacement.

