

iTEC commissions TNB's 1st IEC 61850 NR Protections Relay & Control System

inCONTROL TECH successfully deployed their first IEC 61850 based protection and control relays to TNB's network . This project at Abu Bakar Baginda 132/33/11kV Substation in Putrajaya involved the retrofit of 24bays of 33kV and 11kV switchgear, providing power to the Prime Minister's office and the main administrative building in Putrajaya.



The existing equipment which was installed many years ago was having intermittent problems collecting and sending the data to the TNB SCADA/DA at MRCC. As such, iTEC bided and was awarded the project to retrofit the substation by replacing the integrated bay protection and control relays with RCS-9611 relays and the gateway was replaced with RCS-9698.

The communication of the RCS-9611 to the gateway RCS-9698 was established using the latest IEC 61850 open communication protocol, whereas the gateway to the TNB SCADA/DA connection was made with the IEC 101 protocol. This open standard IEC communication technology will provide TNB the latest platform in substation communication.

This achievement further enhances and reinforces inCONTROL TECH's continuous improvement motto and is a validation of the tough measures undertaken by inCONTROL TECH to make a significant mark on the engineering practices in Malaysia and the region.

iTEC Congratulates TNB for having the first IEC 61850 installation.