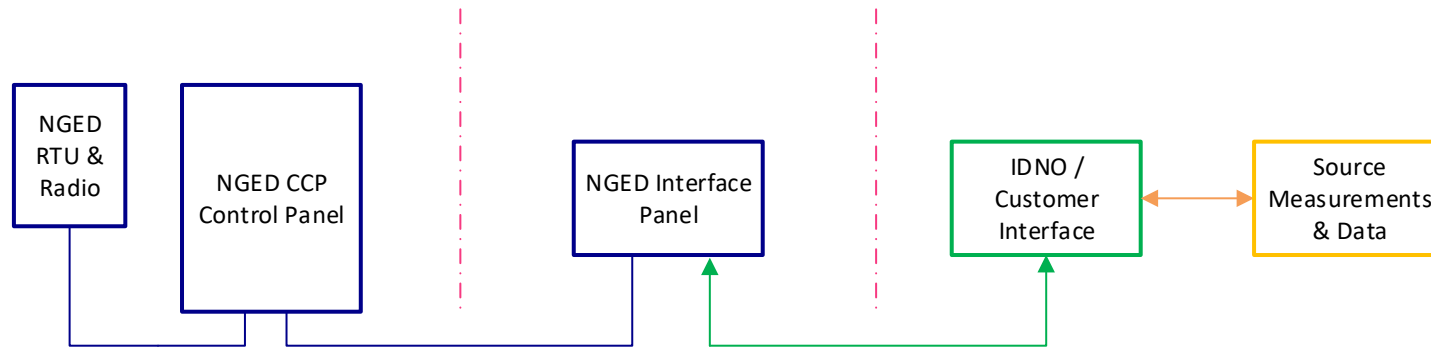


NGED Substation

IDNO Substation

Customer Substation



Fibre Optic circuit
&
2.5mm² 12c Multicore to EE SPEC: 80

Installed in 2 x green 96.5mm ducts as per ST:TC3A & 1 x
150mm black electricity duct as per ST:CA6A

Further consideration shall be given for additional ducts and
cable requirements for unit protection schemes and the
main electricity cable

*Cables suitable for serial Modbus communication with the IDNO/Customer power transducer,
4 to 20mA dc analogue (ANM set point) signals and Stage 1 and Stage 2 inputs/outputs
(typically at 48Vdc).*

Maximum Distance of 250m
Between NGED CCP and Source Data / CB

Notes;

1. IDNO to provide 12V / 20W supply to NGED Interface Panel for Optical Driver & 72 hour battery back up ability.
2. For 'Hot Sites', multicore cable to be replaced with alternate arrangement to provide galvanic isolation.
3. 24/7 access requirements to IDNO substation