

# **Operational Security - Contd. FMFRGENCY TRIP**

The Emergency Trip system is not to be used unless advised to do so by the

Duty Operator. Only under extreme

circumstances will the Duty Trader need to use this page.

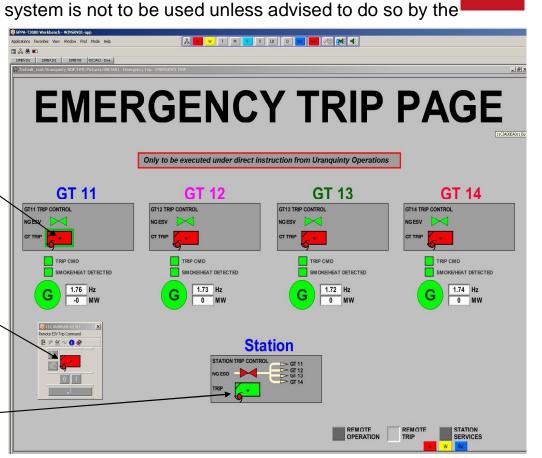
This page should not be opened or used except for it's intended purpose.

Double click on SLC as previously shown to open faceplate

By activating this function will shutoff gas to the unit and the unit will trip.

Alternatively if the whole station is to be tripped off the main Gas ESD will need to be shutdown via here.

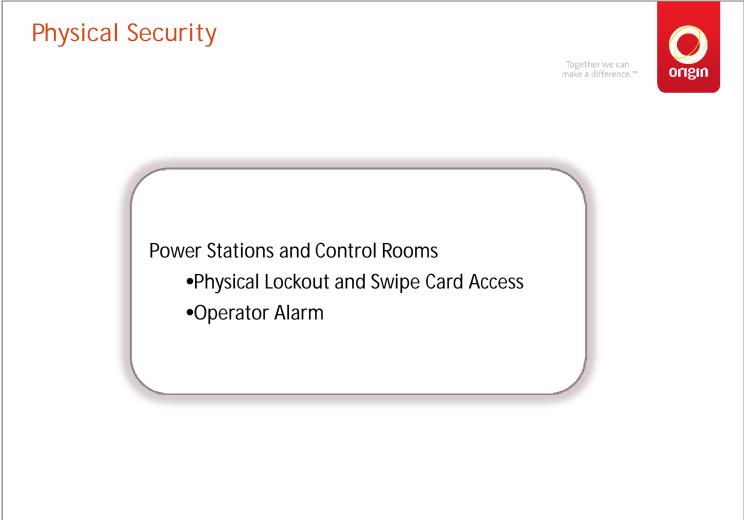
Page 30



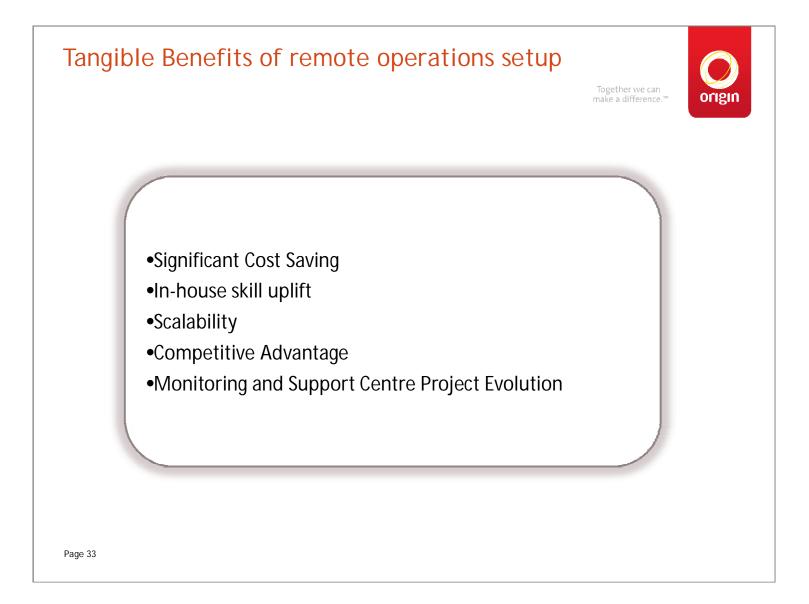
Together we can

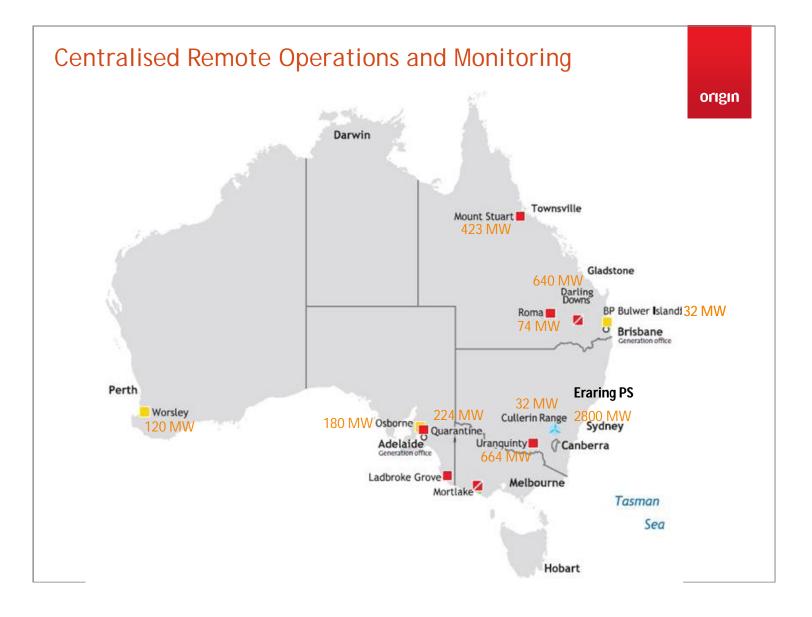
make a difference.

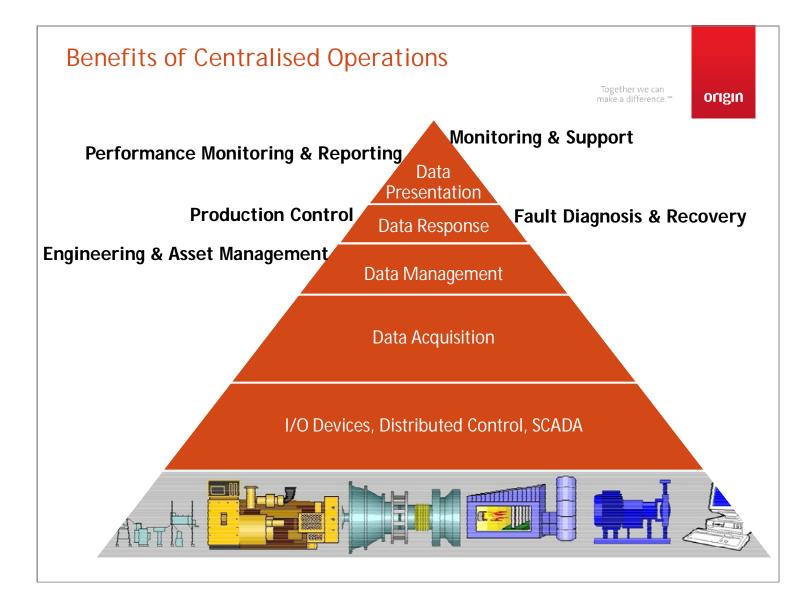
origin

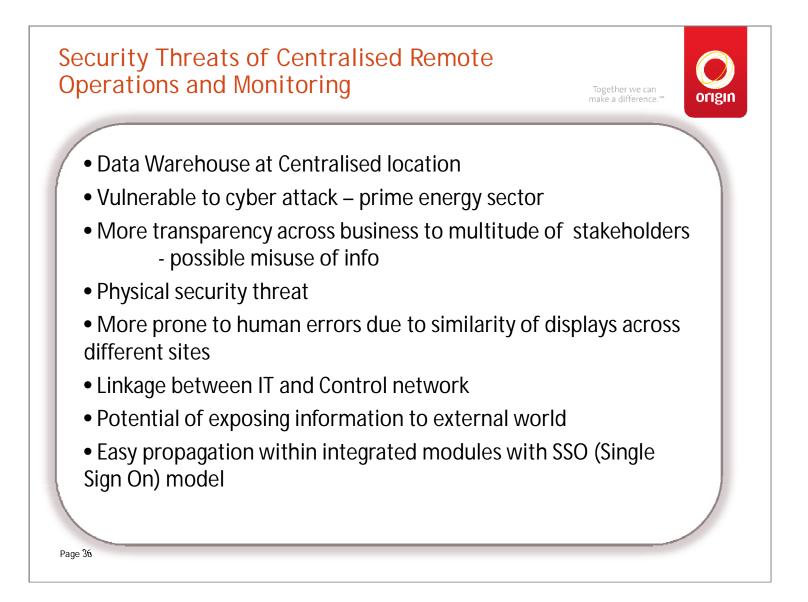


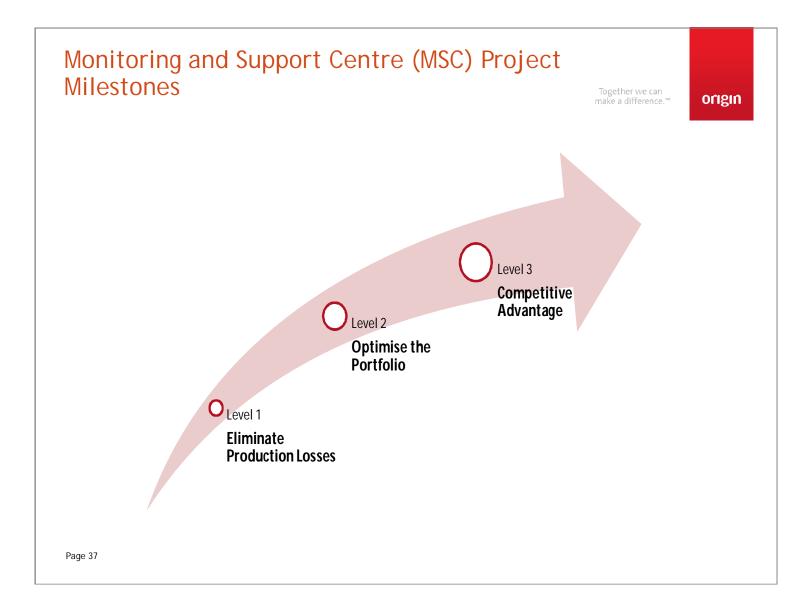












# SCADA/DCS installed at Origin Generation sites

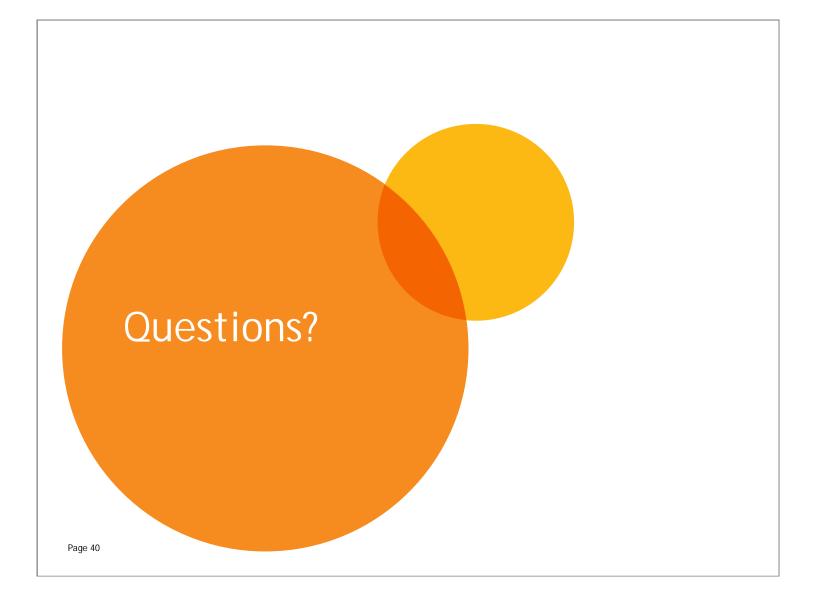
Together we can make a difference.™

origin

#### **Generation Site**

Mt Stuart Power Station	Mitsubishi Netmation & GE Mark Vles
Roma Power Station	Citect/Triconex
Darling Downs Power Station	GE Mark Vles
Uranquinty Power Station	Siemens T3000
Mortlake Power Station	Siemens T3000
Ladbroke Grove Power Station	Citect/Woodwards
Quarantine Power Station 1-4	ABB Advant
Quarantine Power Station 5	GE Mark Vies
Cullerin Range Wind Farm	Citect/Foxboro







### Overview

Together we can make a difference.™



Origin – Generation portfolio

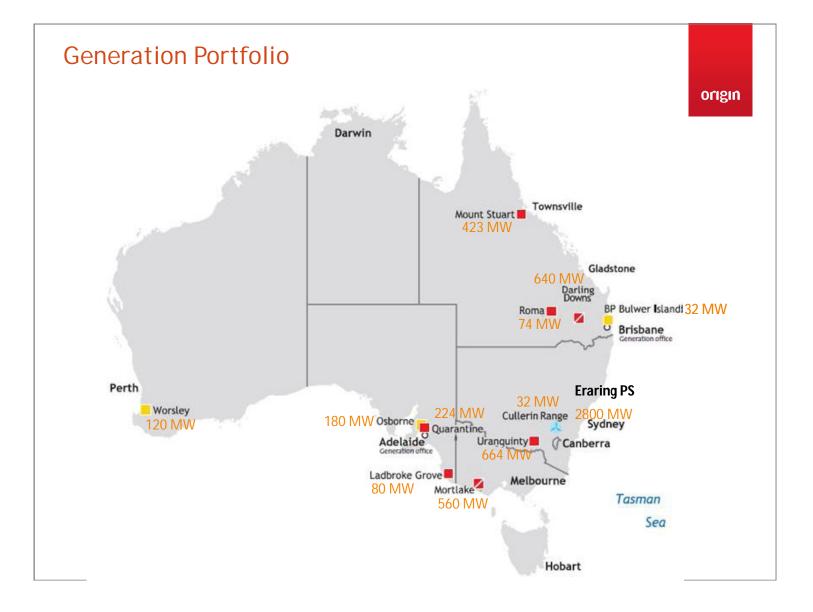
Remote operational capability at Origin Power Stations

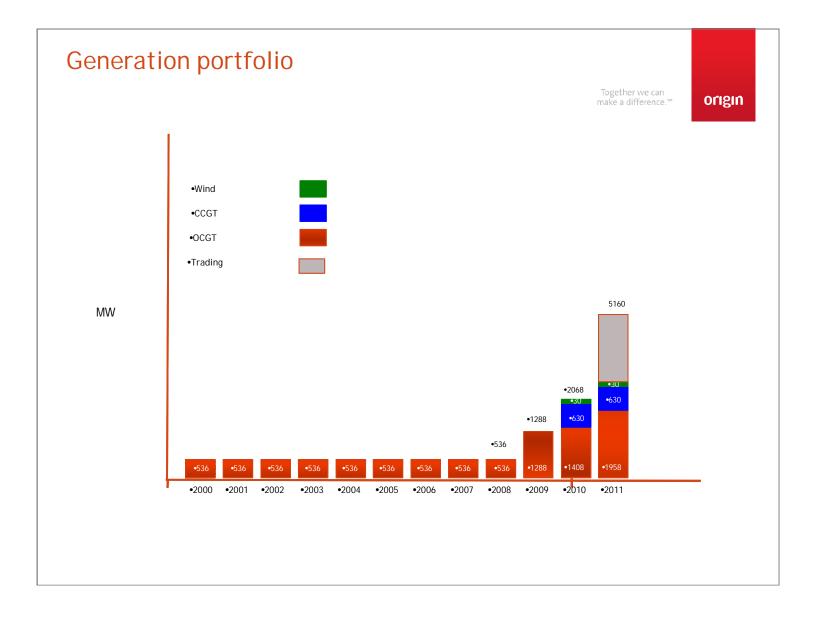
Establish remote operation for Peaking Power Station

Security measures considered and implemented

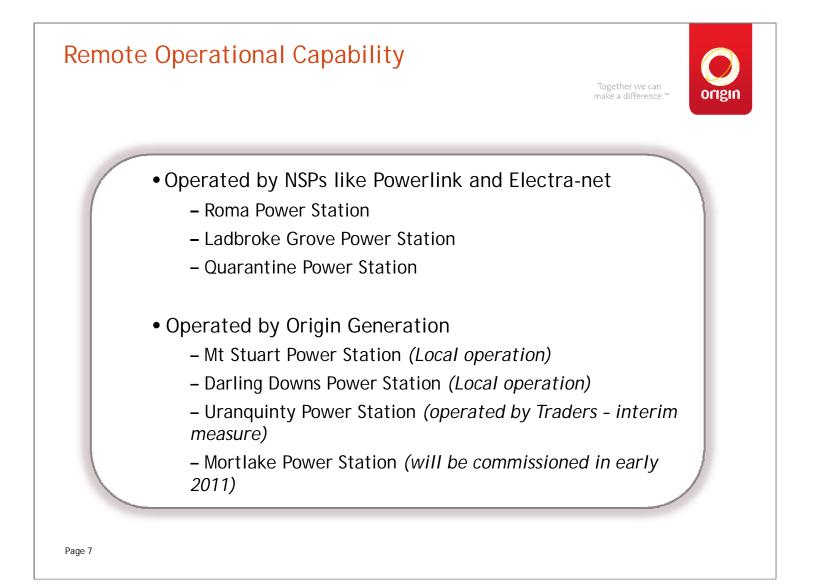
Centralised Remote Operations – Tangible Benefits and security threats.

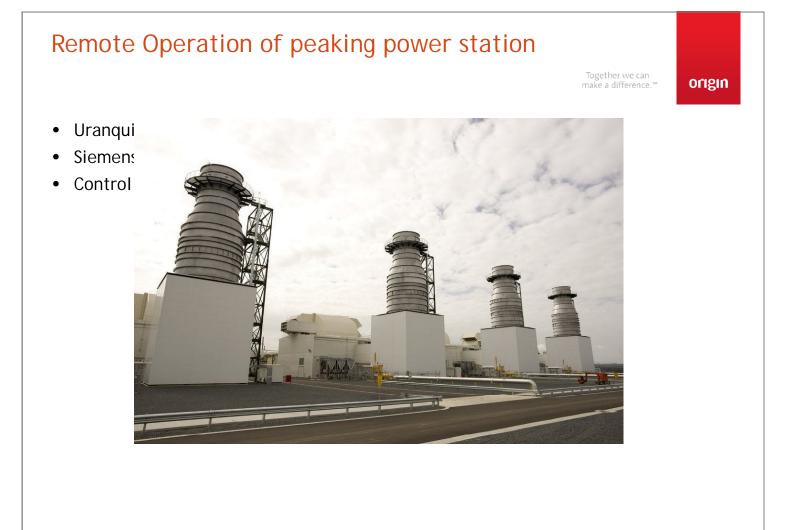


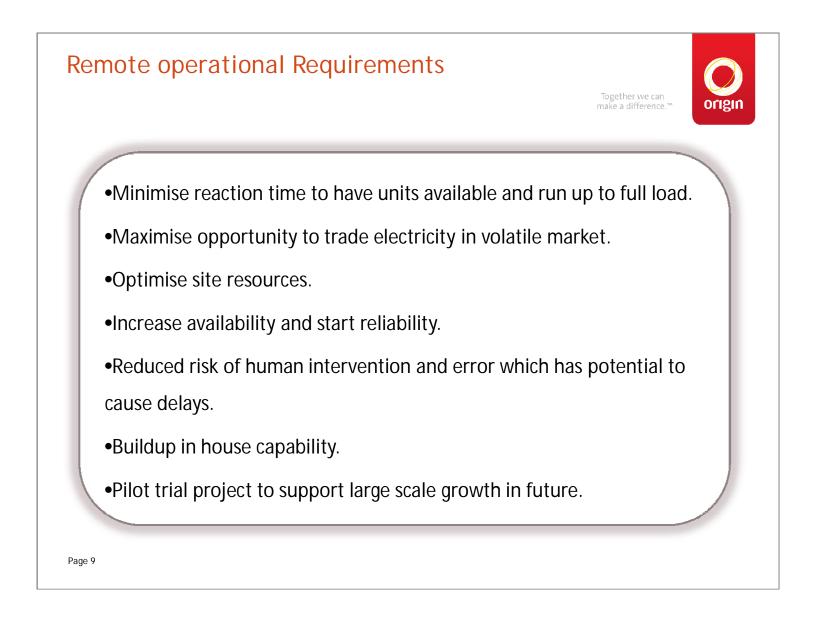


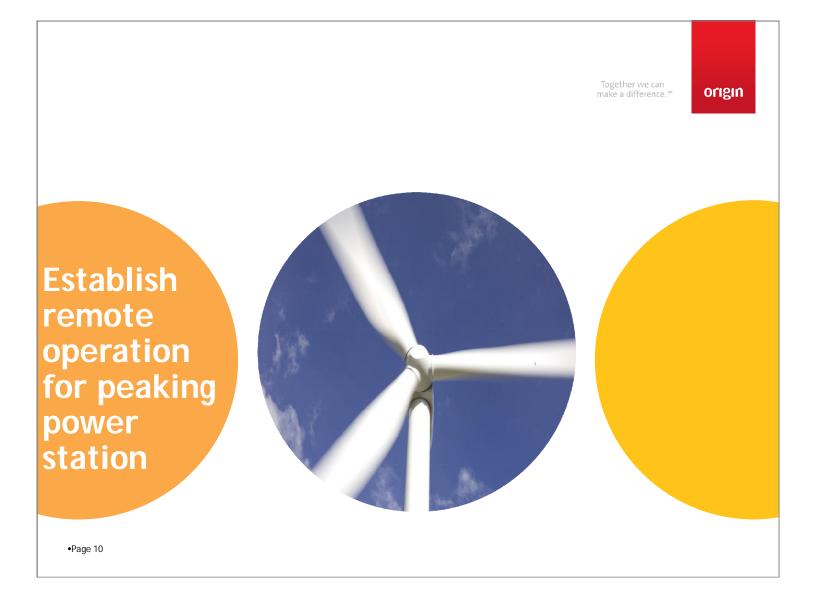


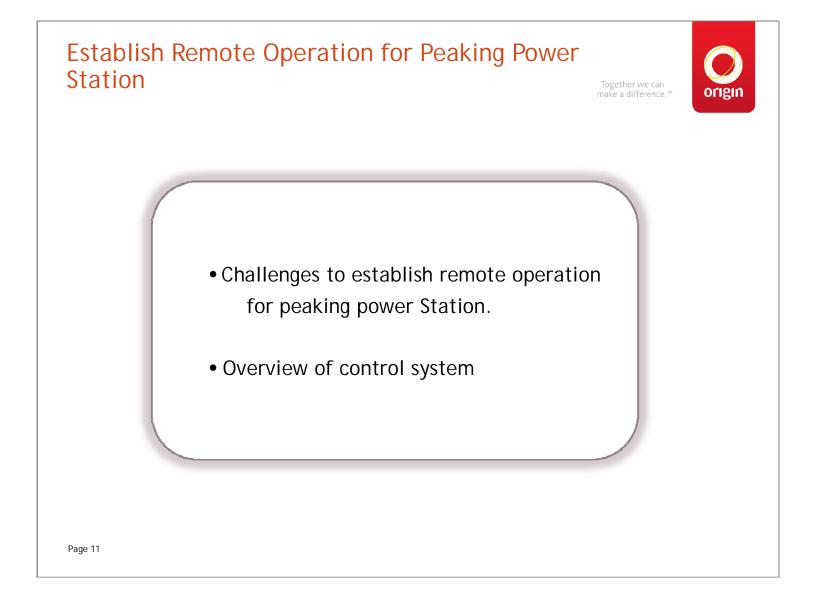


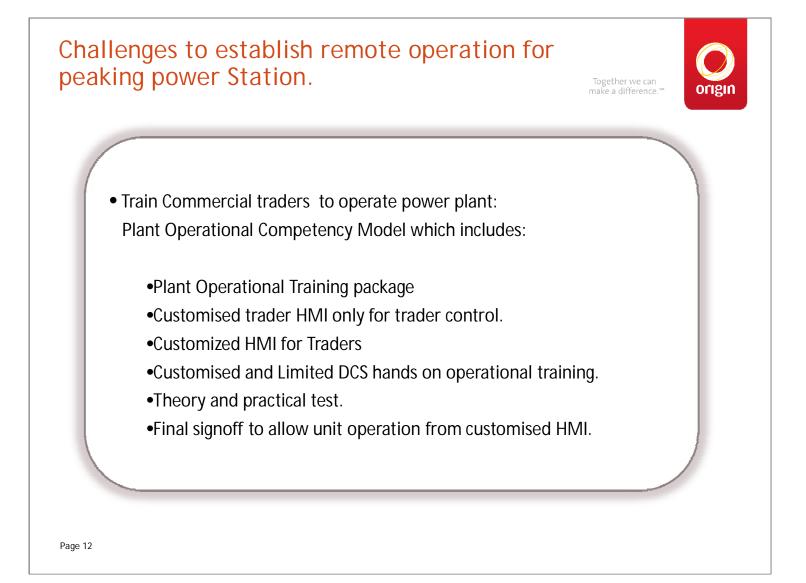


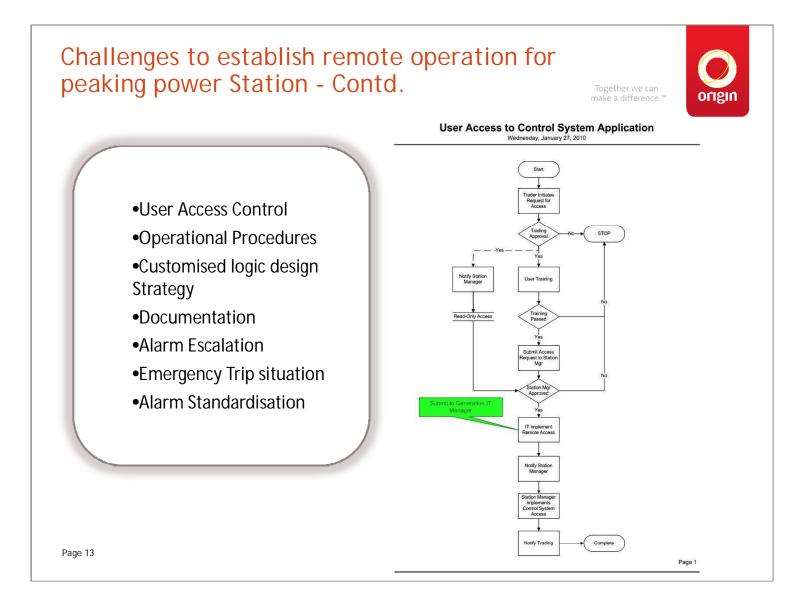


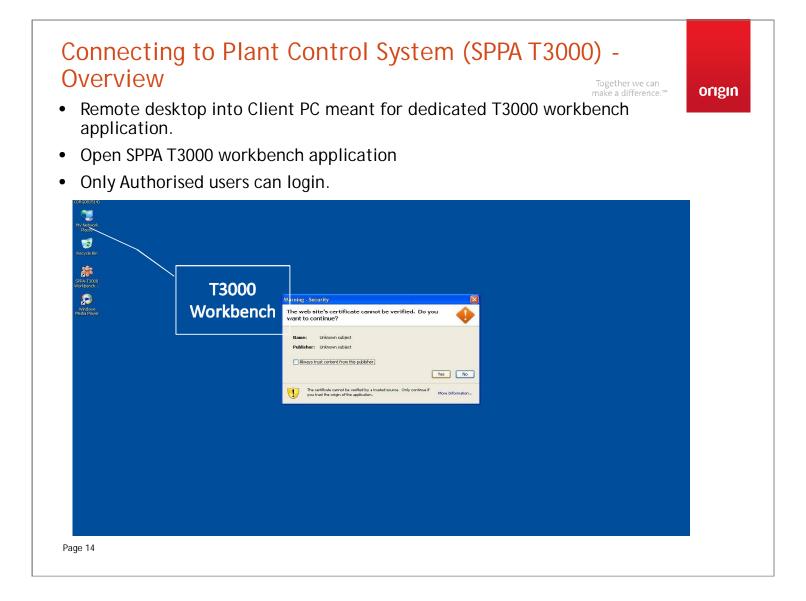












## Uranquinty Control System Access

- A login will be created for all authorized members of the trading team. Type in user specific Username and Password.
- User name: Specific to each individual trader
- Password: Specific to each individual trader

