

CASE STUDY: Volac International Ltd – Site wide SCADA Refurbishment

Project Description

The purpose of this project was to replace the SCADA system in several areas throughout the Volac International site and to upgrade the existing HMI system with a new Siemens WinCC version 6.0 SCADA System.

The pre-existing system in Area One, the SATTScope 300 SCADA system and the existing PanelView HMI for the UF filter was replaced and the mimics from this system was incorporated into a new Siemens WinCC SCADA system. The existing mimics for the NF and RO PanelViews were also added to the new WinCC SCADA system.

The two pre-existing SATTGraph 1200 SCADA system controlling Area's 2, 3, and 4 were also replaced and with the new Siemens WinCC SCADA system incorporated in all practical areas.

Another part of the project was to include a new Siemens SCADA system for the newly installed New Fridge plant.

Area One New Silo

Volac International Ltd installed a new 4th concentrate silo into Area 1 which Adsyst Automation Ltd wrote, designed and developed PLC code for existing area 1 Siemens S7-300 PLC.

The silo has the same functionality as the other three silo's with its own CIP sequence. Adsyst also modified the WinCC Scada system to include the new silo.

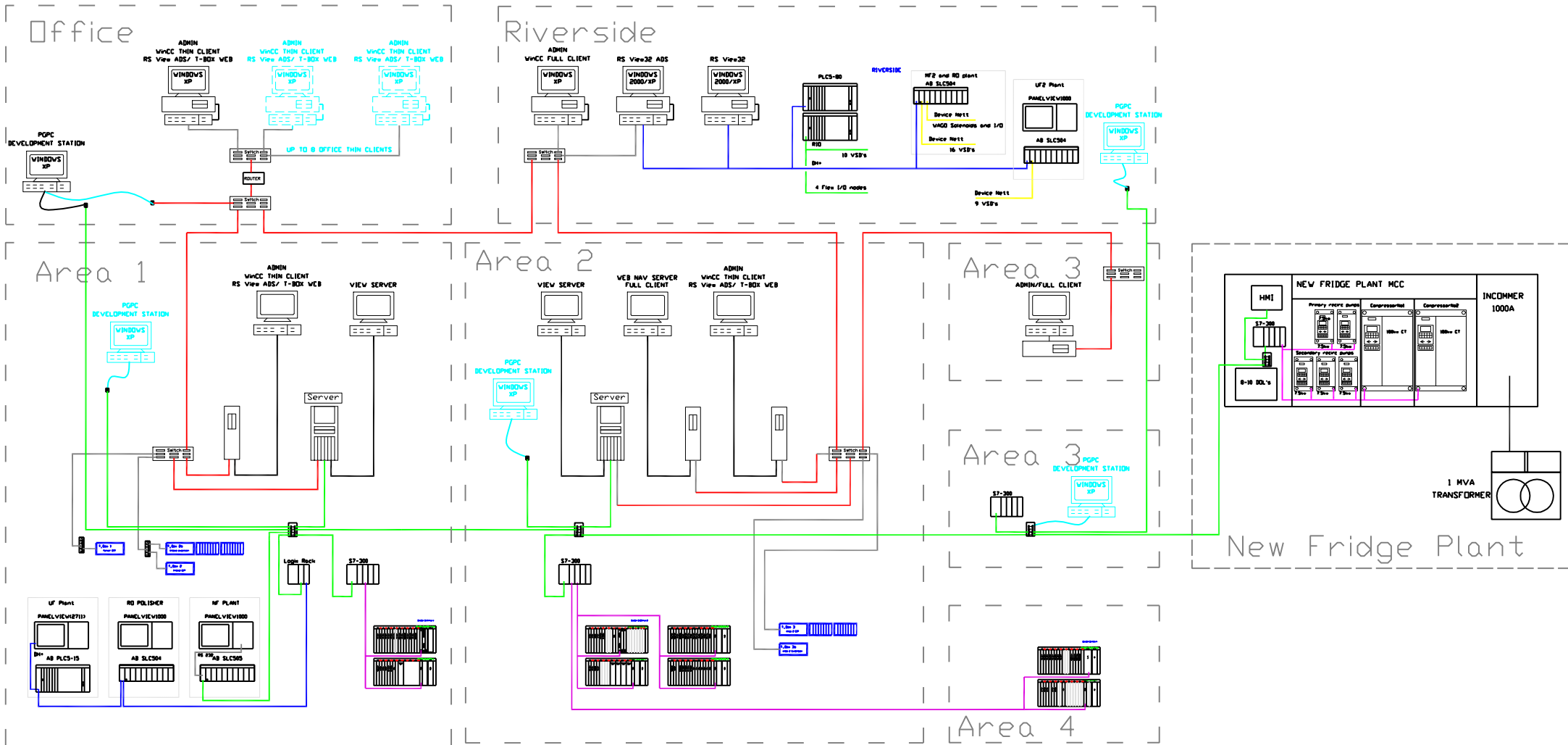


No. GB4311



No. GB11318

Volac Site Wide SCADA Refurbishment System Architecture



- SCADA Ethernet
- PLC Ethernet
- 1 Box Ethernet
- Dns
- Profibus
- SCADA Ethernet