



CLIENT: Greenfield Fertiliser Plant

LOCATION: Western Australia

THE CHALLENGE:

Our client was constructing a greenfield fertiliser plant with an extensive suite of newly designed equipment.

The plant was a FIFO operation with limited office space and accommodation on site, particularly during construction activities. Whilst the plant was being constructed, they needed to ready themselves for operations.

They approached EnterpriseIS to remotely develop their asset structures, maintenance plans, and tactics for all their equipment. They also needed all the long lead time and first year running spares catalogued, complete with min/max levels to enable seamless procurement and receipt of items during the construction and commissioning stage.

THE SOLUTION:

EnterpriseIS, working from our Wollongong Office, were given remote access to all the documentation provided by each equipment supplier.

The Process and Instrumentation drawings (P&ID's) and Equipment Data Sheets were used to develop the Equipment Structure and Hierarchy for input into the clients CMMS. The OEM documentation was used to develop the routine and statutory maintenance tactics. In consultation with the client, these were logically grouped into periodic PM's for the equipment, with a priority placed on completing and uploading those needed for commissioning and early operations.

The OEM's recommended spares were critically reviewed and catalogued using the clients stock group classifications and Auslang descriptions. Spares were assigned to the correct plant location from the pre-developed equipment structure and a store location selected. The identification of lower cost spares providers added additional value to the client.

THE RESULT:

Prior to operation, the Asset Structure, PM tasks and supporting spares were in place for all equipment. The total build required the development of over:

- 10,000 lines of Asset Structure
- 1700 Maintenance tactics (170+ Statutory tasks)
- 4000+ Spares catalogued with min/max levels

The work was all completed remotely from the EnterpriseIS Wollongong Office with bi-weekly communications and reporting with the client, who drove the priorities based on delivery of OEM documentation and commissioning schedules.