



CASE STUDY

AFGRI Animal Feeds



February 2022



CUSTOMER SUMMARY

AFGRI Animal Feeds is a manufacturer and supplier of advanced animal feed products.

4Sight OT Automation secured four projects with AFGRI Animal Feeds. Two of the projects were PLC and SCADA upgrades of the existing sites at Pietermaritzburg and Paterson and the other two projects were new additions to the Paterson site. The new additions at Paterson required the design, supply, installation and commissioning of 2 new MCCs and control systems.



CHALLENGES

- COVID-19 Pandemic
- The 2 AFGRI sites do not operate the same
- Tight installation and commissioning schedules



REQUIREMENTS

- PLC and SCADA Upgrades
- Software standards development
- Site installation and commissioning
- Electrical & Control System design, supply and commissioning for the new Paterson plants
- Field IO for the new Paterson plants
- Integration to custom ERP system



SOLUTION OVERVIEW

- M580 Schneider PLC solution for the upgrades
- Citect SCADA 2016 upgrade
- IFM ASi Field IO implemented for the new Paterson plants
- MCC solutions for the new Paterson plants
- Software standards implemented for all projects





FEATURES & ADVANTAGES

Features:

- Schneider M580 hardware
- Latest software features available

Advantages:

- Software familiarity between sites
- Less field cabling with ASI field IO
- Latest technology hardware



BENEFITS & OUTCOMES

Benefits:

- Reduced downtime
- Availability of spares
- Optimised Process
- Same “look and feel” of upgraded SCADA
- As built plant documentation

Results:

- Optimised Process and control
- Accurate data and reporting

