

PROJECT PROFILE



U052 / 252 Surge Protection for the Blowers

Location: South Africa

Owner: SASOL

Contractor: Lead Engineering and Projects

Peak Manpower: 55

Description: U052 / 252 Surge Protection for the Blowers

Scope of Work:

- Detail Engineering pack for: Process, Mechanical & Piping, Structural & Civil, Electrical, Control & Instrumentation
- Interface to Anti Surge Control panel
- Tender for Procurement and Construction to follow
- Manage subcontractors

PROJECT PROFILE



Compliance of AN and Explosives Pumps to SHE-N03 code

Location: South Africa

Owner: SASOL

Contractor: Lead Engineering and Projects

Peak Manpower: 3

Description: Compliance of AN and Explosives Pumps to SHE-N03 code

Scope of Work:

- Process, Electrical, C&I and Mechanical Basic Engineering
- Compliance Audit in comparison to SHE-N03 code
- GAP Analysis to highlight deviations
- Detailing of proposed solution
- Preliminary design drawings for solutions

PROJECT PROFILE



Fire Station Cafeteria power supply upgrade

Location: South Africa

Owner: SASOL

Contractor: Lead Engineering and Projects

Peak Manpower: 12

Description: Secunda RES Cafeteria - Fire Station

Scope of Work:

- Detailed Electrical Engineering
- Detailed Civil Engineering of a transformer bay
- Design, Manufacture and Installation of a 200kVA 525/400V Transformer
- Design, Refurbishment of a Allan-West MCC Tier
- New 400V Distribution board for the Fire Station Cafeteria Equipment
- Network Analysis in ETAP

PROJECT PROFILE



PDPS Secunda CTF West Unit 96 Demolition Filters 7 8 9

Location: South Africa

Owner: SASOL

Contractor: Lead Engineering and Projects

Peak Manpower: 3

Description: PDPS Secunda CTF West Unit 96 Demolition
Filters 7 8 9 (Work pack 7)

Scope of Work:

- Electrical, Control and Instrumentation work packages for the demolition works of Filter 7,8 and 9 in Unit 96
- Lists of existing equipment within the demolition area
- Demolition and Removal Philosophies per equipment type
- Isolation Philosophies
- Mark-up Existing drawings showing equipment to be removed.
- Develop a SDE and Project Schedule for the execution of the demolition work.

PROJECT PROFILE



PDPS Secunda CTF West Unit 96 Demolition work pack 6

Location: South Africa

Owner: SASOL

Contractor: Lead Engineering and Projects

Peak Manpower: 3

Description: PDPS Secunda CTF West Unit 96 Demolition work pack 6

Scope of Work:

- Electrical, Control and Instrumentation work packages for the demolition works in Unit 96
- Lists of existing equipment within the demolition area
- Demolition and Removal Philosophies per equipment type
- Isolation Philosophies
- Mark-up Existing drawings showing equipment to be removed.
- Develop a SDE and Project Schedule for the execution of the demolition work.

PROJECT PROFILE



Installation of High Voltage Pulse Energisation Controllers

Location: South Africa

Owner: SASOL

Contractor: Lead Engineering and Projects

Peak Manpower: 25

Description: HVPEC

Scope of Work:

- Supply/Install MCC
- Manufacture/Install 2 Mechanical Structures on top of ESP roof
- Supply/Install 4 X 5 ton Electrical Hoists
- Supply/Install Cable racking and Cables
- Install 6 High Voltage Transformers
- Install 6 Corremax Controllers
- Install PLC Panel
- Supply/Install Power supply for Hoists

PROJECT PROFILE



De-Bottlenecking of 20D power supply

Location: South Africa

Owner: SASOL

Contractor: Lead Engineering and Projects

Peak Manpower: 25

Description: De-Bottlenecking of 20D power supply

Scope of Work:

- Supply/Install MCC Panel
- Supply/Install Lighting Distribution Board
- Supply/Install Lighting Transformer
- Supply/Install Battery tripping unit
- Build Transformer Pen
- Relocate LV Distribution Transformer
- Extend Sub-Station building
- Supply/Install Cable racking and Cables
- Supply/Install building lights
- Supply/Install Bus-ducting system
- QC and commissioning of the above

PROJECT PROFILE



Sasol SCO Nitro Fertilizer - Dam Sluice Automation

Location: South Africa

Owner: SASOL SECUNDA

Contractor: Lead Engineering and Projects

Peak Manpower: 20

Description: Dam Sluice Automation

Scope of Work:

- Detailed engineering package, construction and commissioning
- Supply/install supply Transformer
- Supply/Install Distribution boards
- Supply/install Instrumentation Panels
- Supply/install Instrumentation
- Supply/install Cable racking and Cables
- DCS/SCADA programming
- Supply/Install V-notch plates
- Supply/install Actuators

PROJECT PROFILE



Sasol Salty Water Pit Load Reduction

Location: South Africa

Owner: SASOL/PDPS

Contractor: Lead Engineering and Projects

Peak Manpower: 10

Description Salty Salty Water Pit Load Reduction

Scope of Work:

- Detailed Electrical and Instrumentation engineering package.
- Supply and install Lights
- Supply and install Instruments
- Supply and install earthing system
- Supply and install Cable racking and Cables
- DCS Software programming