



## ABOUT US

DDS Engineering (Pty) Ltd specialises in the

# Design and Drafting of Mechanical, Structural, Civil, Piping and Electrical equipment for the Engineering sector

### Clients first

At DDS Engineering, we put the satisfaction of our clients at the center of our priorities. Our objective is to build and maintain a strong and trustful relationship with our clients by ensuring the quality of our services, the competitiveness of our prices and the respect of our project deadlines. That is the cornerstone of our business.

### Specialist know-how

Our experienced project and service teams combine extensive practical know-how with a lifetime of knowledge - from Mechanical, Structural and Civil Engineering consultants with 10 to 30 years' experience, to CAD drafters experienced in Mechanical, Structural, Civil, Piping and Electrical.

## SERVICES

Our in-house design and drafting capabilities range from component re-engineering to full 3D Model assemblies and system layouts.

### Engineering design and drafting



Excavation layouts and modeling



Innovative methodology statements



Concept designs



Civil, structural, mechanical, electrical and piping layouts and detail drawings (2D/3D)



Shop detailing



Conversion to electronic CAD drawings



Outsource our support team

# HIGH RELIABILITY

We take pride in our quality record and practical implementation of our work.

1. We offer comprehensive design and drafting services that will take your product from concept straight through to manufacturing. Our designs are focused on quality, economy and ease of manufacture and installation.
2. Finished products may range from functional to realistic renderings depending on client requirements. Our 3D modeled drawings are accurate and allow for the creation of general arrangement layouts, marking arrangements, assembly drawings, part drawings complete with Bill of Materials.
3. All projects are undertaken with a commitment to quality and customer service which is why we maintain full accountability for all our design and drafting services.

## Our output is:



Client-centred



Cost effective



High-tech



Quality controlled

### Client-centred

We work on a wide variety of small, mid-sized and large projects, with one goal in mind: meeting client expectations.

### Cost effective

Because we specialise, we are able to provide practical, cost-effective solutions.

### High-tech

We use the latest software in 3D modeling and intelligent software for all areas of design.

### Quality controlled

All designs and drawings are approved by a Professional Engineer before being issued for manufacturing and construction.

# EXPERIENCE

- Underground decline conveyors, transfer conveyors, waste dump conveyors, overland conveyors, sacrificial conveyors, trestles, tail ends, head ends, head chute, horizontal or vertical take up frames, take up trolley, stringers, impact stringers, gantries, drive stations, belt reel structures, mechanical and pulley schedules etc.
- Bulkheads, radial doors, cylinder layouts, vibrating feeder support, langlaagte, swivel langlaagte, side skirts, transfer chutes etc.
- Winder house, warehouse layouts, purlin, girder, portal frames etc.
- Underground grizzly tip structures, underground pump station and dam layouts, underground excavation overlays; actual blasted profiles vs. planned profiles.
- Headgear, crash steelwork, crash arrangement, sheave deck, gates and screens, jack catches, swivel guides, A-frame, center tower, sinking headgear, kibble tipping arrangements, swivel chute, dropback distances etc.
- Piping layouts, pipe schedules, valve schedules, pipe supports, pipe bridge, pipe anchors etc.
- Various civil reinforcing details and bending schedules.
- Lowbed transporter, pipe sling cradle, shaft sling cradle, lifting devices, crawl structures, crane structures.
- Walkways, platforms, plate work, gates and screens, inspection platforms, cat-ladder, safety canopies etc.

# CONTACTUS

[info@ddsengineering.co.za](mailto:info@ddsengineering.co.za)  
[www.ddsengineering.co.za](http://www.ddsengineering.co.za)

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