ProProcess is a process-focused engineering firm, able to contribute to a project at any stage of development, from conceptualization throughout the project life cycle, up to implementation and post-project production optimization. ProProcess is a medium-sized enterprise, which services the chemical, metallurgical, petrochemical and related process industries. ProProcess also offers a number of turn-key skid-mounted and containerised modular process unit operations for both pilot and full-scale operations.

Our involvement in the petroleum industry often requires protection of our clients’ assets from the devastating damage that a fire can cause. The risk of asset and production loss is not limited to the petroleum industry, and we often encounter the need for fire protection in the chemicals and hydrometallurgical industry, where they make use of volatile and flammable reagents.

ProProcess believes that because we have a fundamental understanding of the primary processes involved, we are in a better position to provide suitable fire detection and suppression designs for these facilities. There is often a trade-off between the value of the asset to be protected, and the cost of the fire protection system. We will always consider the most cost-effective method whilst ensuring that the protection is fit for purpose.

Fire detection and suppression is ‘reactive’ rather than ‘proactive’. The ProProcess approach is to be ‘proactive’ and therefore always consider ways to prevent fires, rather than detecting and suppressing them after they have occurred.

ProProcess employs the services of fire engineers and risk specialists with extensive experience in the industry. The industry is closely regulated, and our engineers have detailed knowledge of the standards and codes of practice required for the design of a variety of different fire detection and suppression methods.

ProProcess’ experience includes the following:
- Containerised Fire Pump Systems
- Specialised Mining Fire Systems
- Plant Wide Fire Systems

Types Of Agents Used:
- Clean Agent Gases
- DCP – Dry Chemical Powder
- Foam

Fire Systems are designed in accordance with:
- ASIB – The Automatic Sprinkler Inspection Bureau (Pty) Ltd
- NFPA – National Fire Protection Association
- SANS – South African National Standard

- Water
  - Spray
  - Deluge
VISION
ProProcess is synonymous with process excellence within the industry.

MISSION
ProProcess provides smart, world-class, cost effective process engineering solutions to its client base.

CORE VALUES
ProProcess puts the client first and understand the issues from their perspective. We work with clients and partners to achieve their goals. We seek innovative, yet cost effective solutions for clients and partners.

OUR COMMITMENT
We work in close collaboration with our clients, ensuring that tasks are clearly defined and understood. We address current and future needs, through the delivery of value for money solutions.

“ProProcess: engineered with passion, executed in excellence.”

COMPANY PROFILE
ProProcess is a dynamic engineering and design company. We consult and provide design and implementation services to the following industries:

- Mineral processing
- Hydrometallurgy (Base metals and PGMs)
- Acid Mine Drainage
- Petroleum and Petrochemical
- Waste to Energy
- Fine Chemicals
- Food and Beverage

As a multi-disciplined organisation, ProProcess strives to meet clients’ objectives by drawing upon expertise in chemical process engineering; research and development; instrumentation; controls; and process analysis.

ProProcess takes pride in its ability to offer a high level of personal attention to all its clients. Clients can depend on speedy, cost effective solutions to their requirements, while maintaining control over project expenditure.

In this way, the investment becomes a joint venture with great benefits in terms of time, expertise and expense for the client.

ProProcess is committed to conducting its business in a safe, socially and environmentally responsible manner. We are an equal opportunities employer and do not discriminate on the basis of race or gender.

ProProcess employs Professional Engineers registered with ECSA (Engineering Council of South Africa). All our designs are produced, checked and approved by a registered engineer prior to construction.

The ProProcess Principal Engineers have post-graduate qualifications in Chemical Engineering, with extensive experience in the field of chemical, metallurgical and petrochemical processing and each have more than 15 years’ experience in project engineering.

www.proprocess.co.za