



CHALLENGE

ProProcess is a process-focused engineering firm, able to contribute to a project at any stage of development, from conceptualization, throughout the life of the project, up to implementation and production. ProProcess is a medium-sized enterprise, which services the chemical, metallurgical, petrochemical and related process industries.

ProProcess produces a variety of flocculant make-up and dosing plants for our client's individual applicational needs. The following broad types of flocculant plants are available from ProProcess:

- Modular
- Standard Containerised (Pre-Engineered)
- Conventional (Batch & Continuous)
- Specialised Containerised

SOLUTION

Modular

ProProcess has designed, built, installed and commissioned one of the world's largest continuous flocculant plants capable of hydrating 1 500kg/hr of dry flocculant powder. This demonstrates that flocculant hydration can effectively be achieved on a continuous basis in a low shear environment. This modular plant was fabricated in South Africa prior to final assembly and commissioning in the Canadian Oil-Sands region.

Conventional

ProProcess provides traditional Flocculant Hydration Plants and has subsequently designed and built one of the world's largest Batch Flocculant Plants for a mining application, capable of hydrating 700kg/hr of dry flocculant powder. This plant was fabricated and trial assembled in South Africa prior to final delivery to the Namibian Uranium end-user.

Standard Containerised (Pre-Engineered)

In addition, ProProcess offer a standard range of containerised flocculant plants with the following capacities:

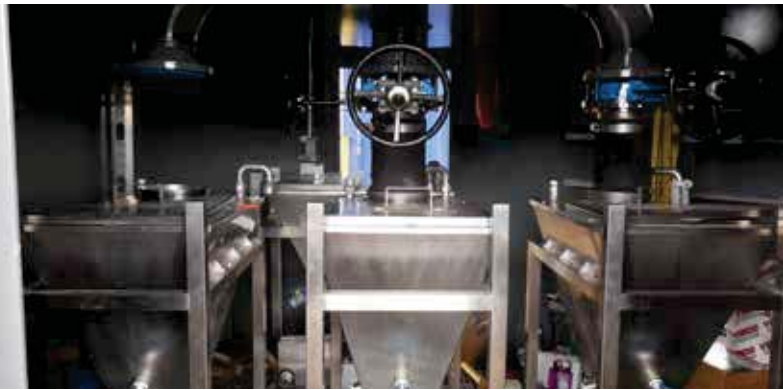
Unit	Continuous Production Capacity @ 0.5wt%
CPS9	9m ³ /hr
CPS12	12m ³ /hr
CPS15	15m ³ /hr

These units are also available with weather insulation for extreme climates.

Specialised Containerised

ProProcess is capable of providing containerised flocculant solutions tailor-made to our client's specialised applications.

Under license, all units are fitted with an Aerowet™ powder transfer system including a proprietary JetWet® wetting head. The use of these units ensure optimised flocculant hydration in minimised hydration time, with minimal maintenance requirements.



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.



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.

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

