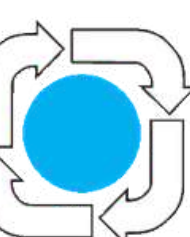
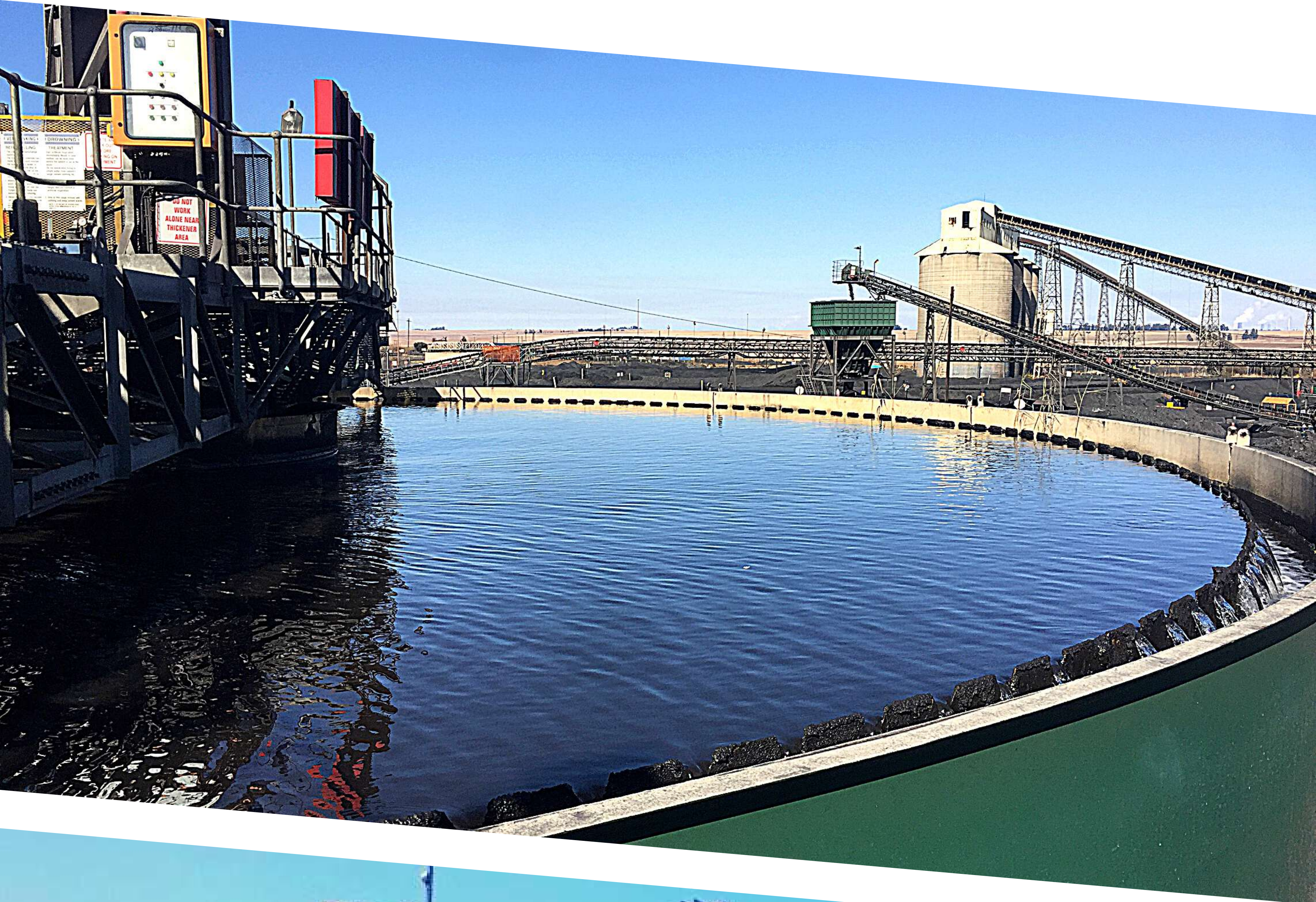


**filtaquip** (Pty) Ltd  
Mineral Processing Solutions

# **THICKENER TECHNOLOGY BROCHURE**







# THICKENER TECHNOLOGY

Located in Johannesburg, South Africa, we are dedicated to offering first-world thickener technology to the global mining industry. Our in-house designs & manufacturing of innovative products have become the standard for base metals, precious metals & the coal sector, providing **World Class Quality.**



We are at the forefront of innovation and technological advancement.

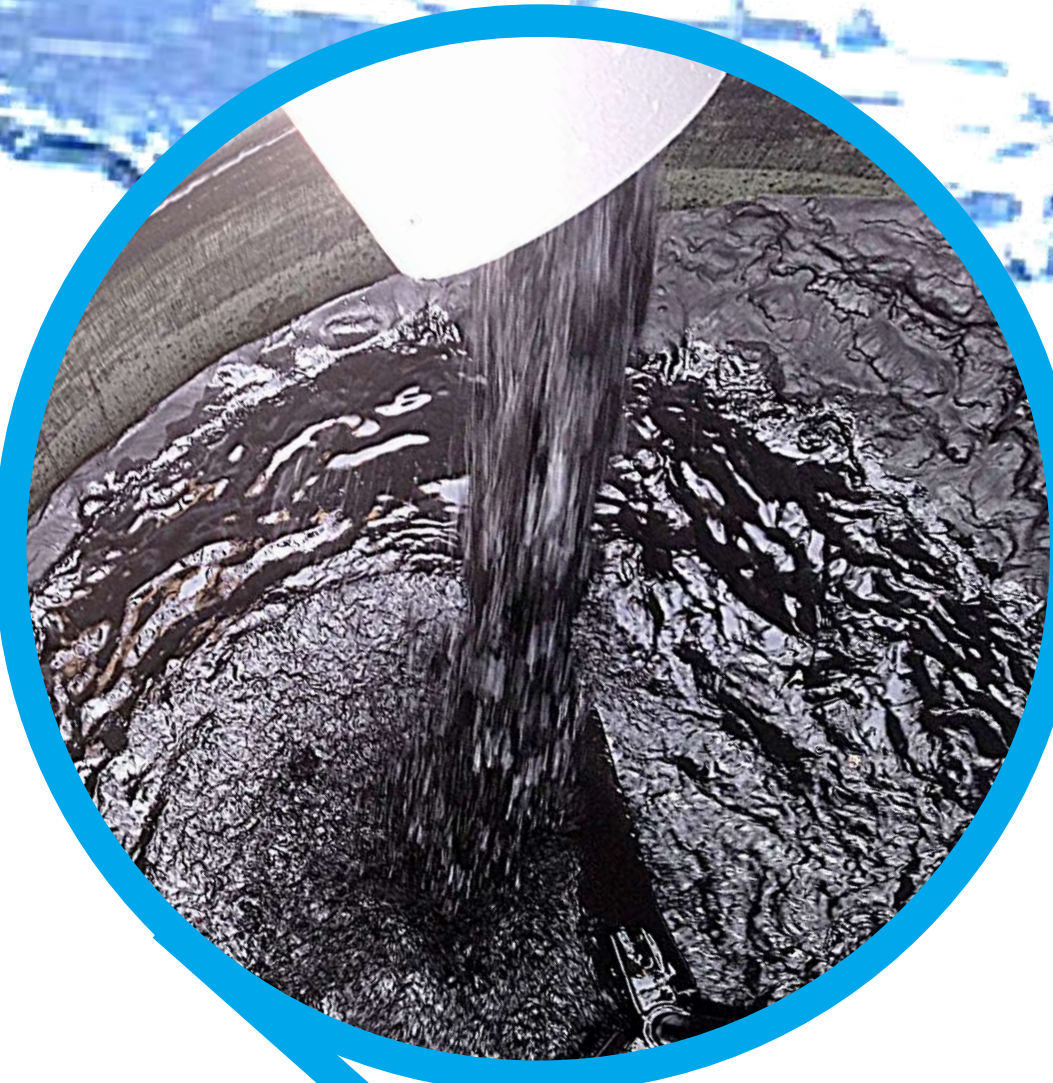




# MAXIMISING YOUR MINERAL OUTPUT



**Enhanced  
Recovery**



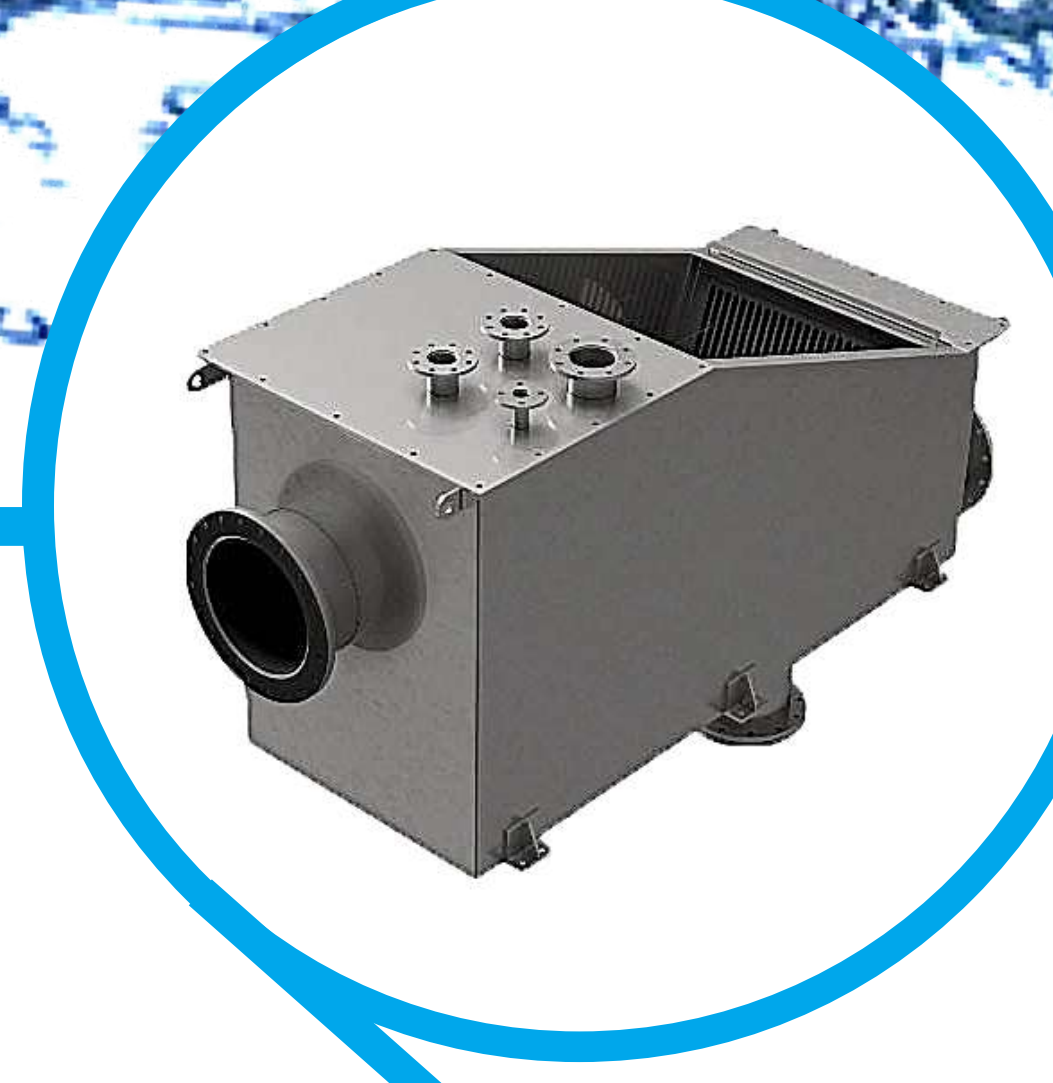
**Thickened  
Underflow**



**In-House  
Designs**



**Test  
Work**



**Process  
Optimisation**

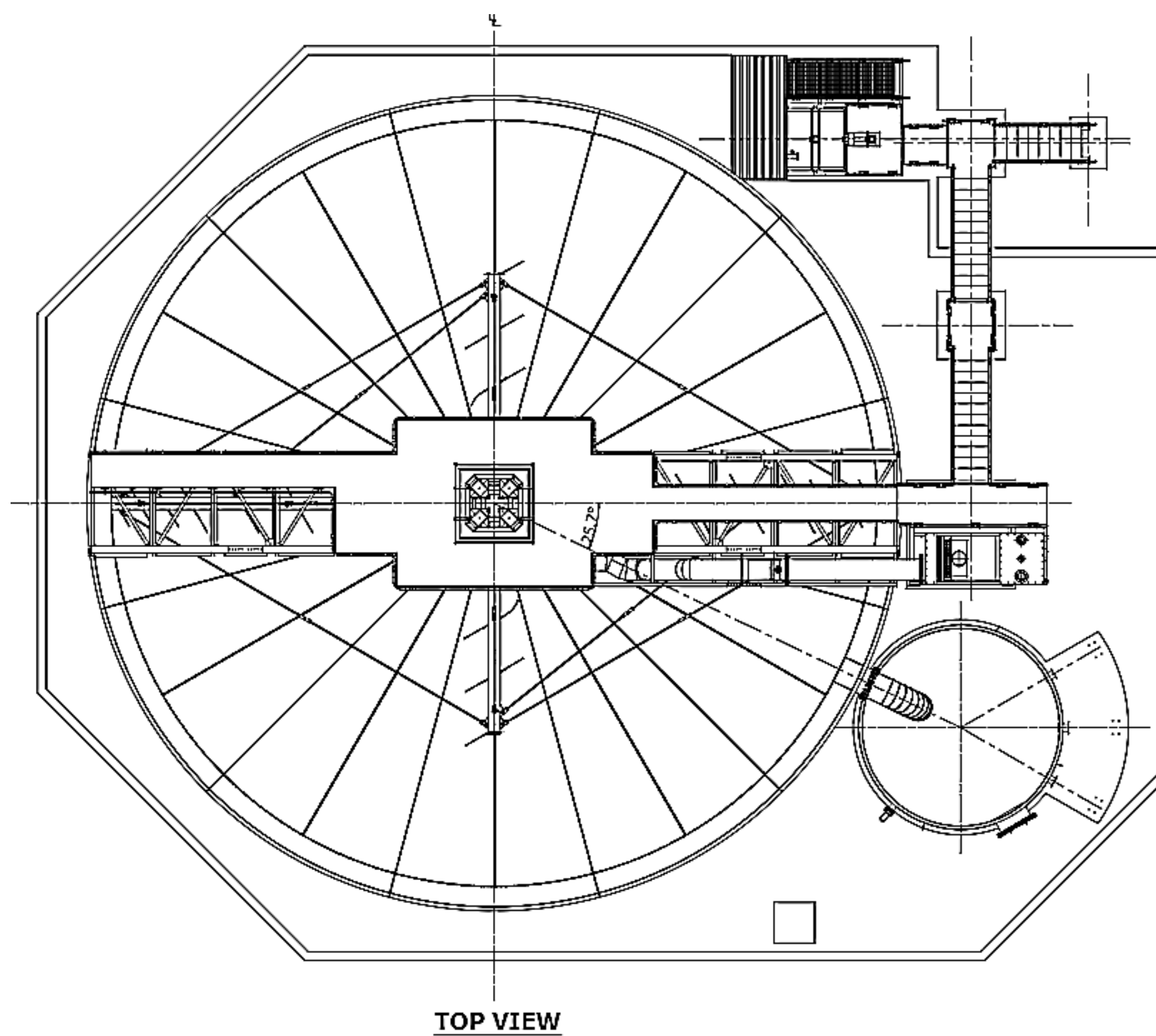


**Flexible  
Solutions**

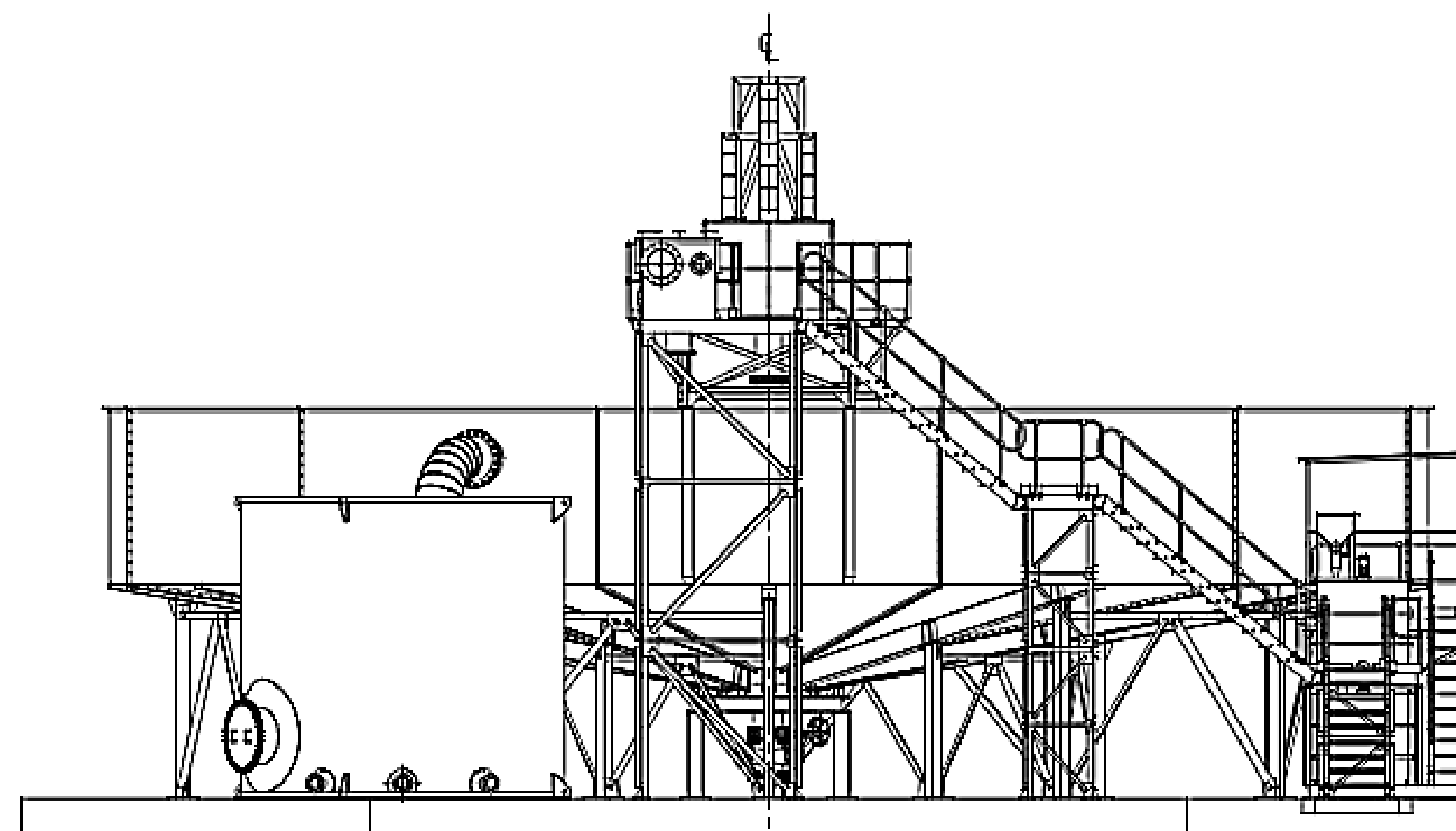




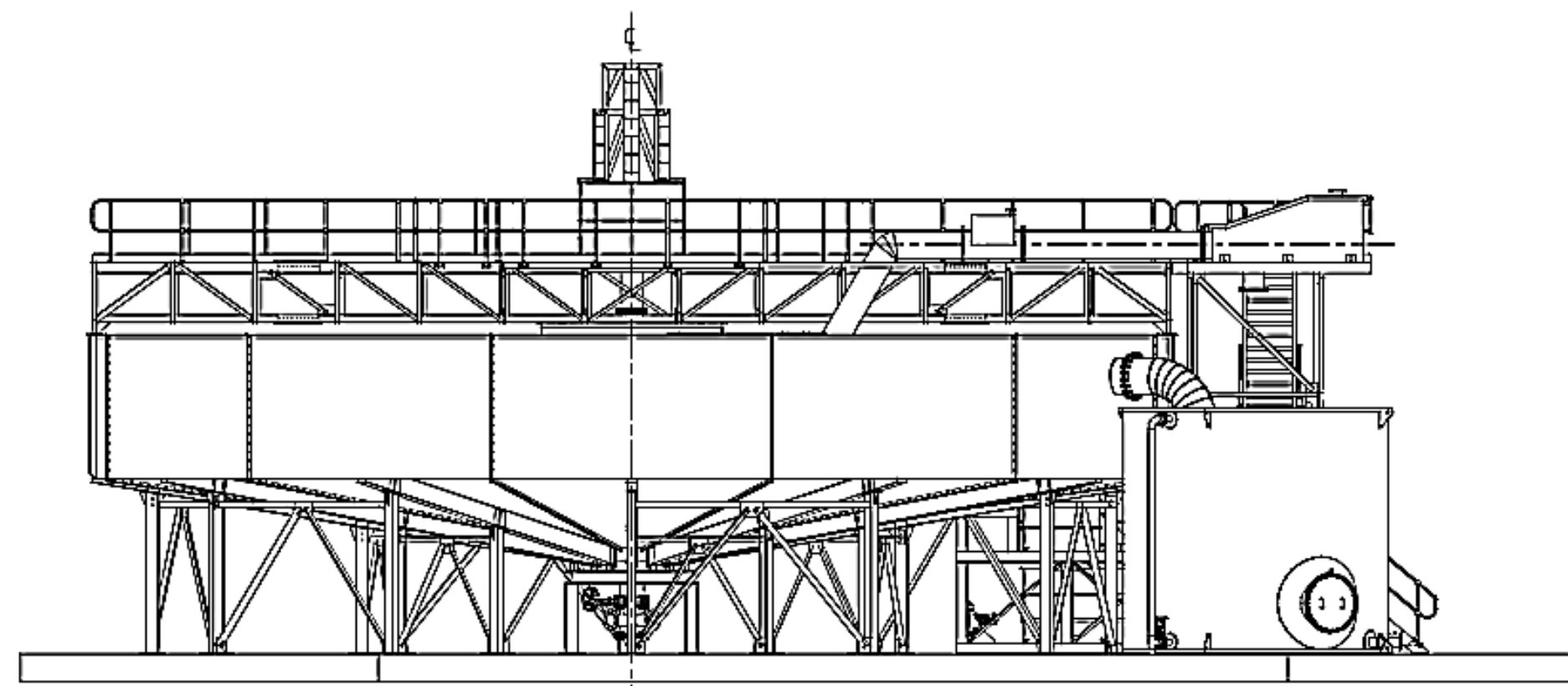
**WE SUPPLY**  
Custom Designed  
Thickening  
Technology For  
Your Applications



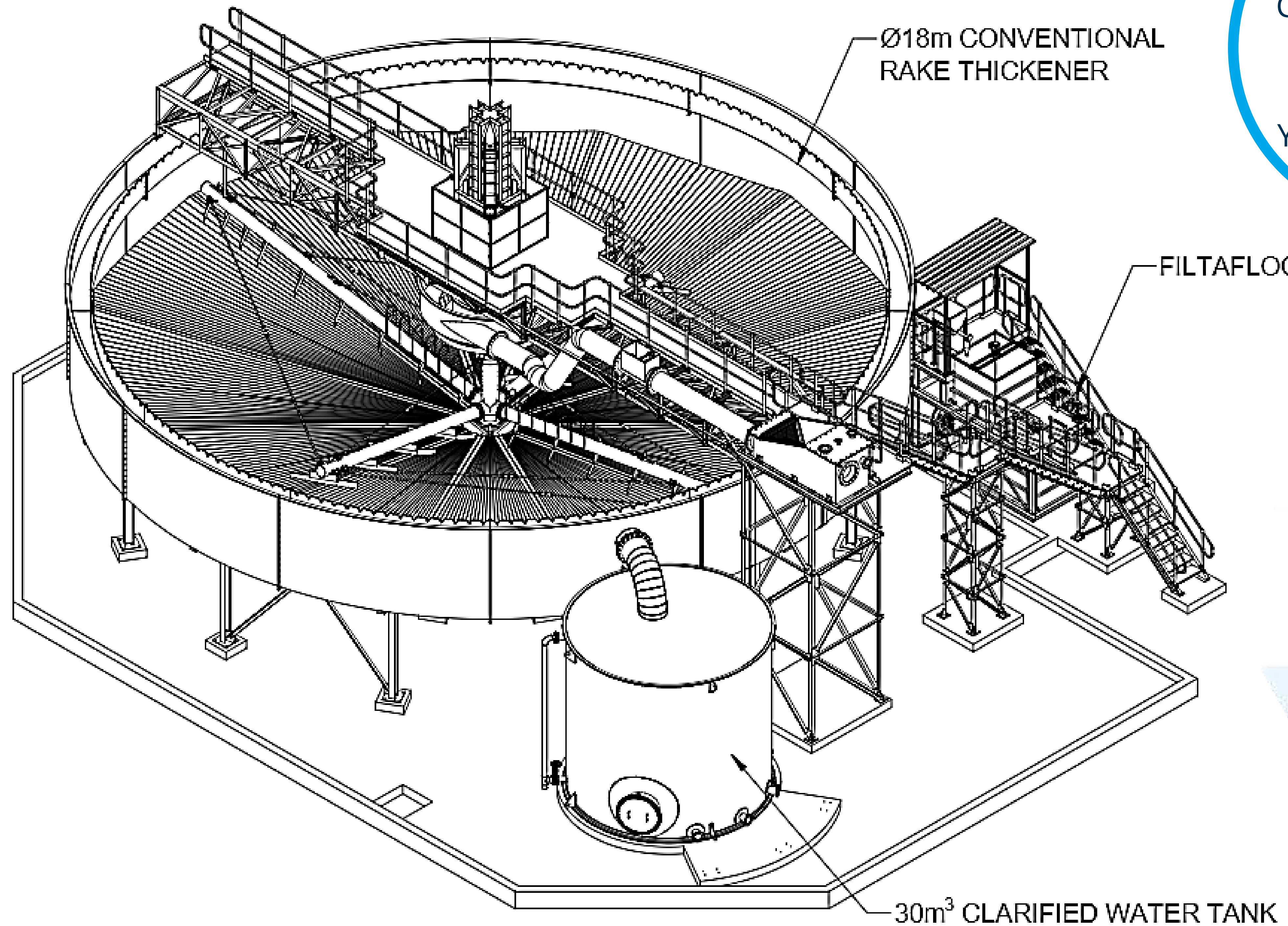
TOP VIEW



SIDE VIEW



Design



Ø18m CONVENTIONAL RAKE THICKENER  
ISOMETRIC VIEW



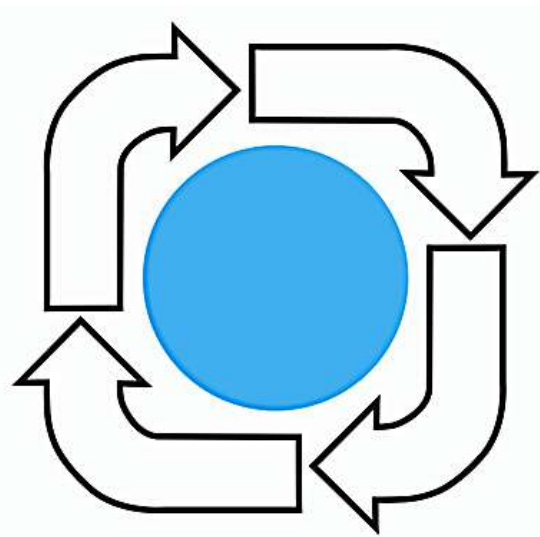
Manufacturing



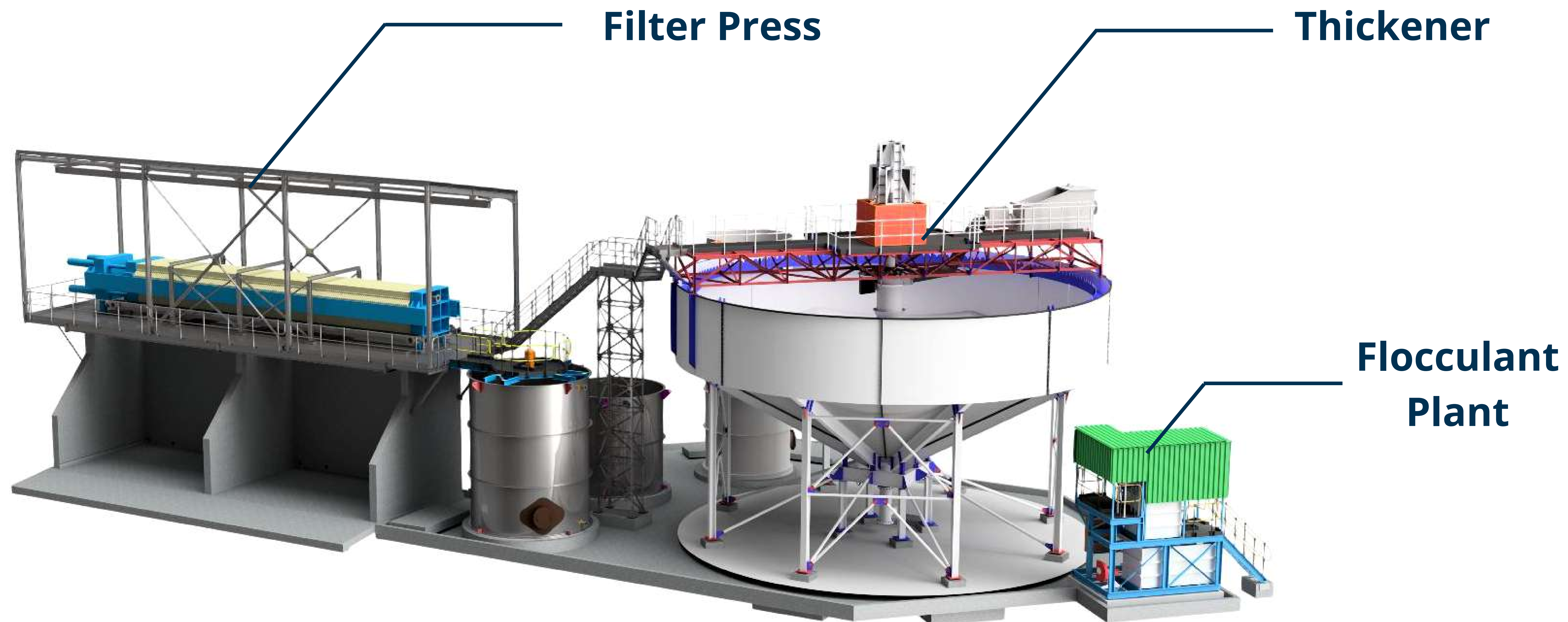
Installation







# RELIABLE SOLID - LIQUID SEPARATION SOLUTION



## MAIN APPLICATIONS

- Coal
- Base Metals
- Precious Metals
- Chemical Applications
- Aggregates Applications

**The Complete Dewatering Solution**

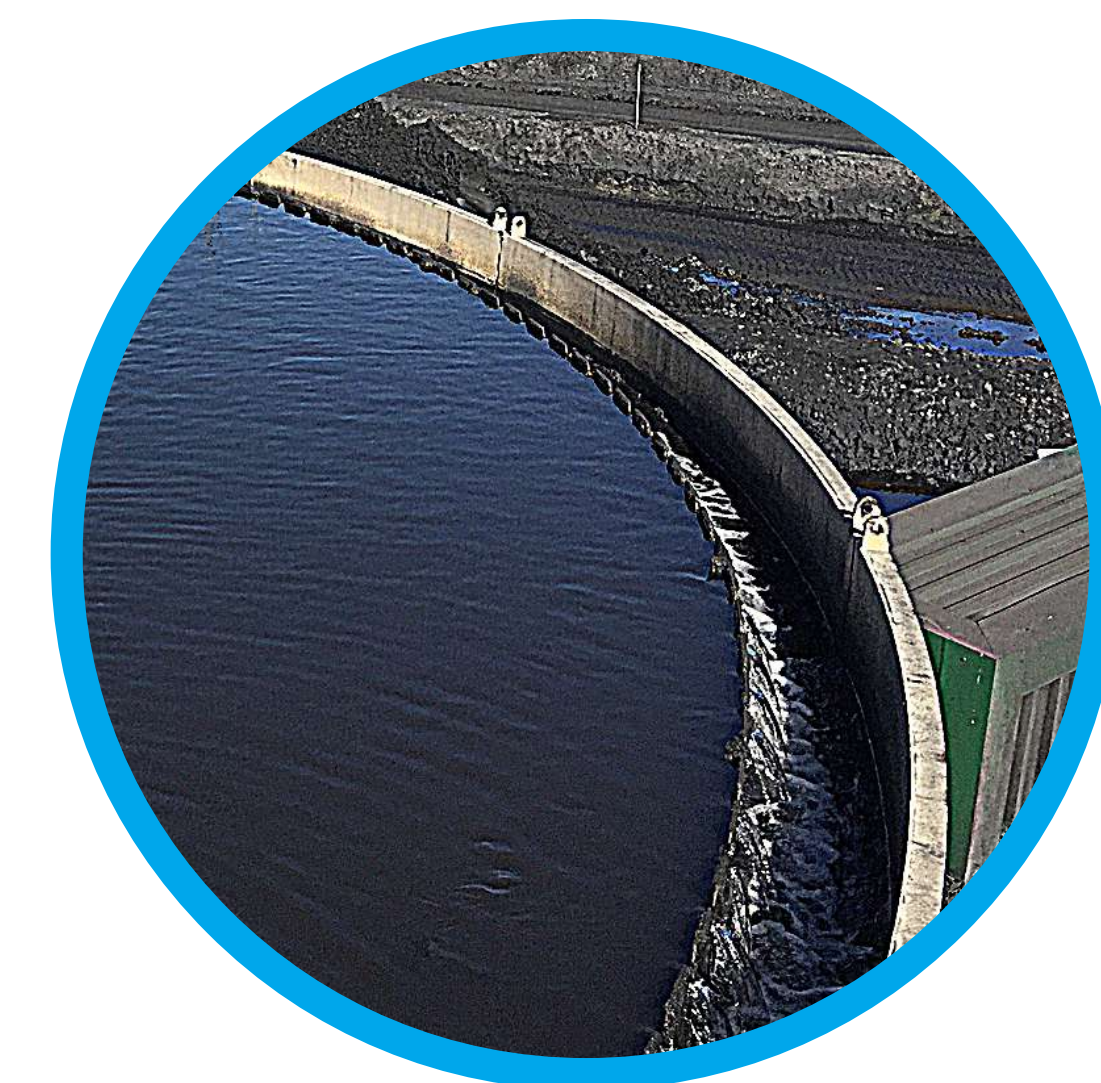




# HIGH RATE THICKENER



**Innovative Feedbox**



**Clear Overflow**



Clarified  
Overflow

Automated Rake  
Lifting & Rotation

Electric & Hydraulic  
Drive Options

Bolted or  
Welded Design

Bed Level & Density  
Control

Efficient Solid/Liquid  
Separation



# RAKE DRIVES

Optimised Gearbox  
Selection

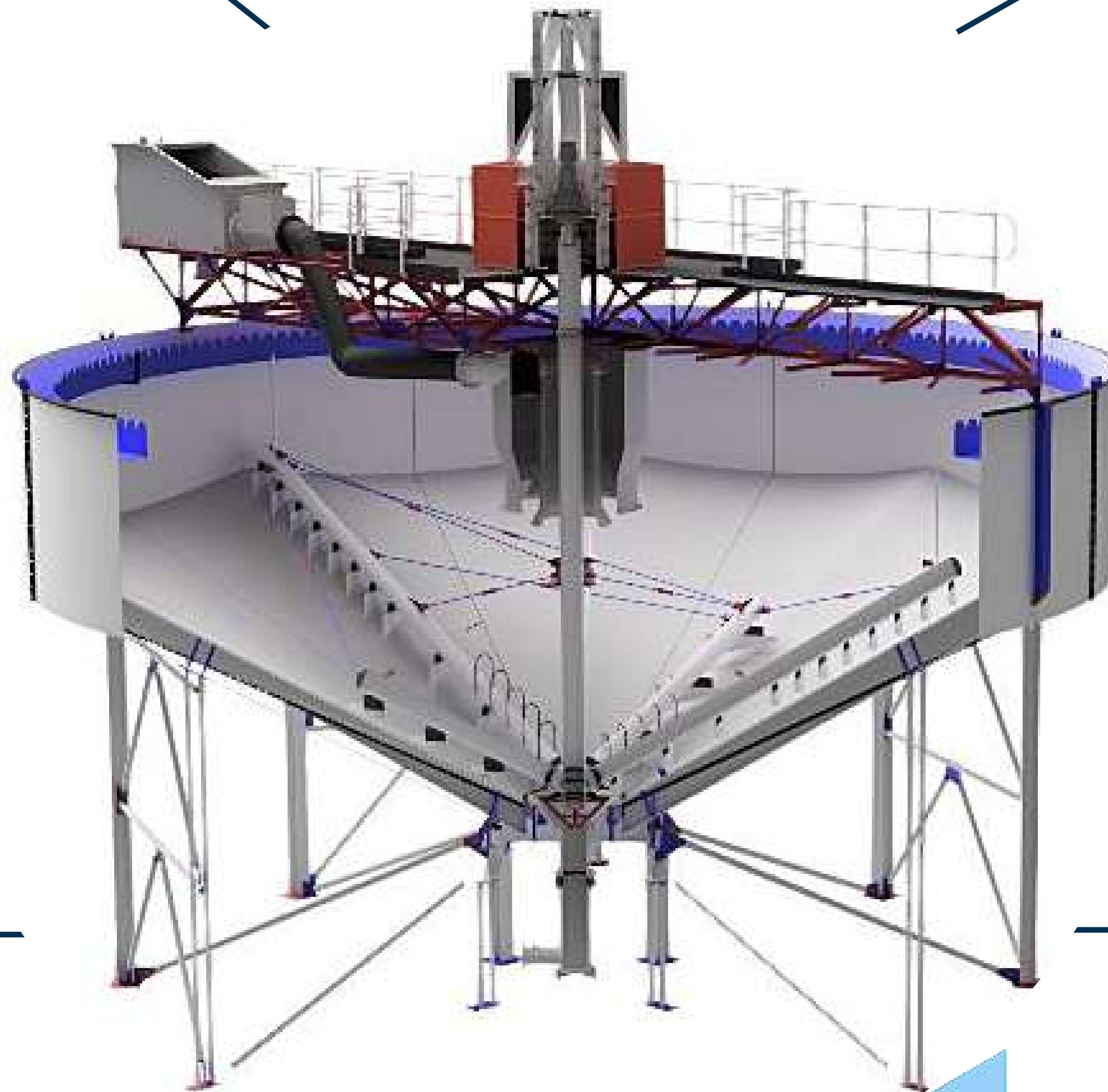
Fully Automated Operation

Purpose Selected  
Construction Materials

24/7 Operation

Rakes designed to mitigate  
fluctuations and prevent  
underflow blockages

Process & equipment  
protected by high level  
safety interlocks





# FEED & DILUTION BOX

Low or High energy  
mix

Flocculant addition &  
mixing point

Multiple feed entry points

Replaceable oversize  
screen protection

Oversize solids drain point

Rubber lined or Tiled to  
reduce wear





# VERTICAL RAKE-LESS THICKENERS

Specialised Feedwell Design

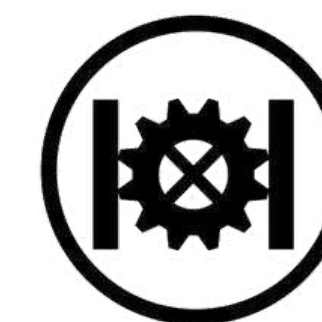
Innovative feedbox design

Smart flocculant control

Intelligent Underflow Control



## NO MOVING PARTS





# FILTASEP THICKENERS

## EFFICIENT SETTLING



Innovative feedbox design

Smart flocculant control

Steep cone & high wall design

High torque monitoring with  
rake lift

Specialised Feedwell Design





# COMPLETE SOLUTIONS PROVIDER

Enhanced life times

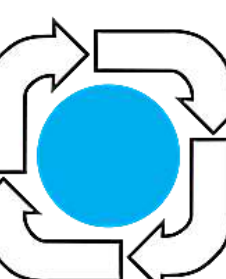
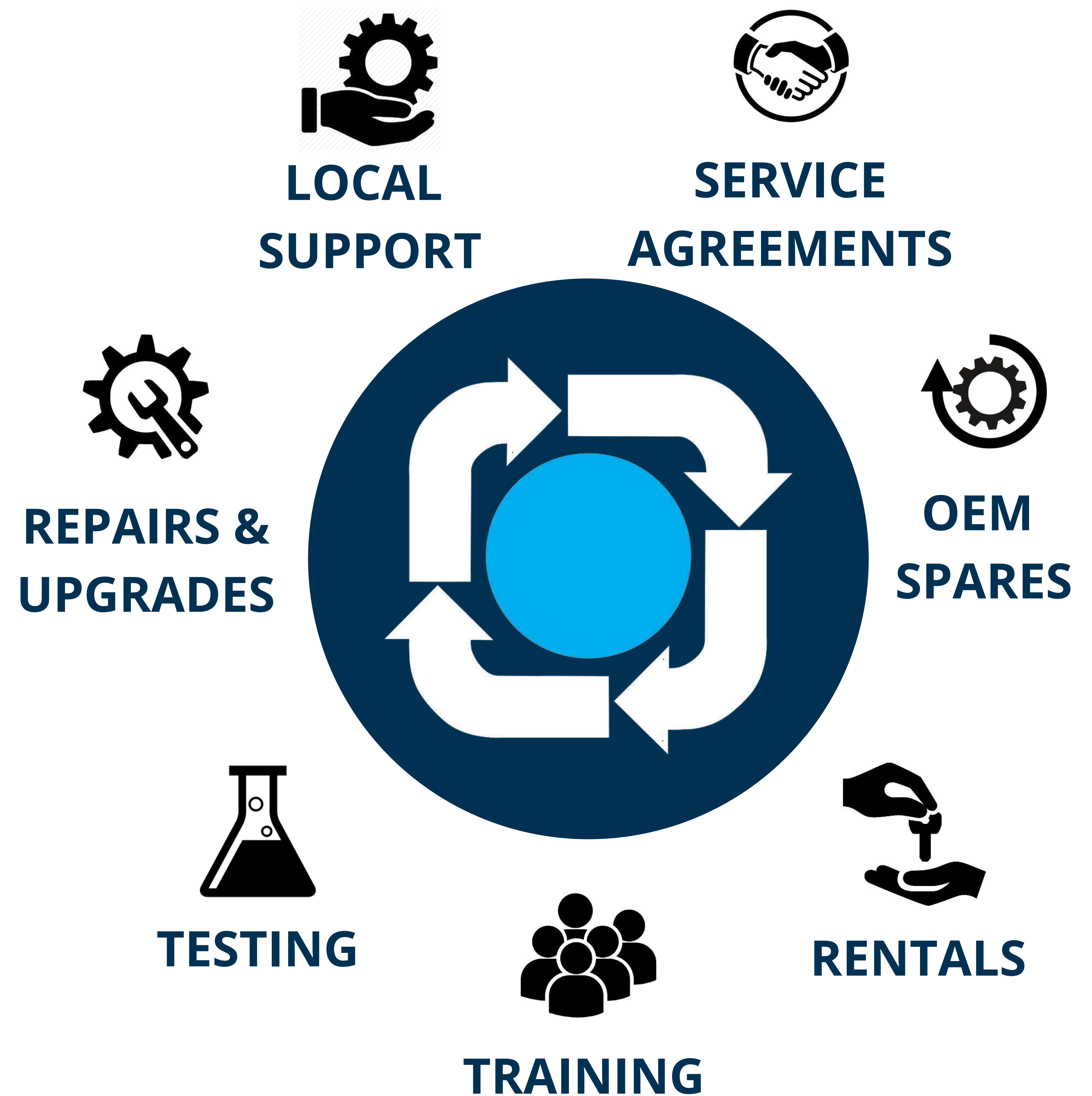
Rapid design & installation

Maintenance and upgrades

Customised installations

High expertise delivered in multiple locations worldwide

Project Management from conception to installation







**Ø 10m High Rate Rake  
Thickener**



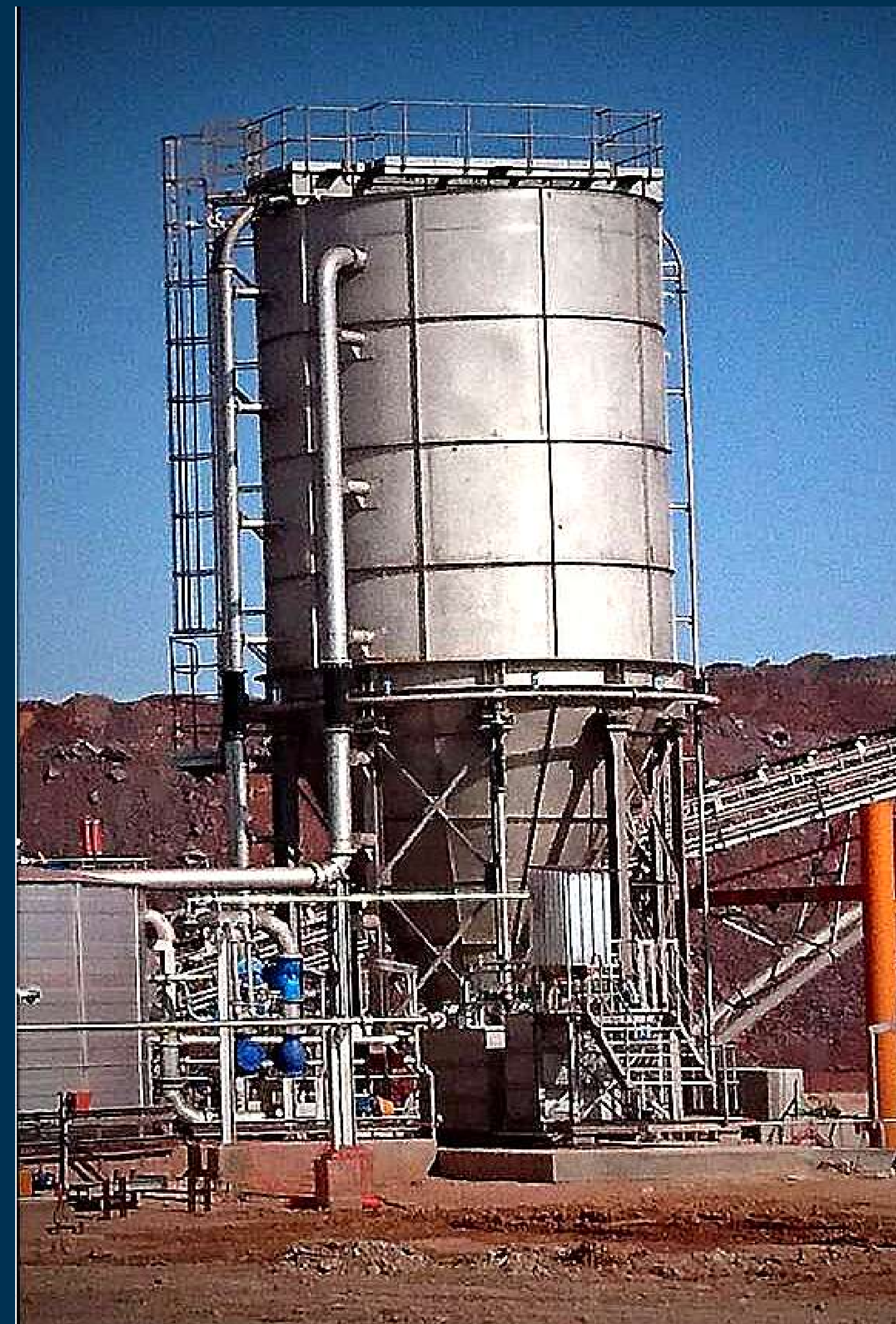
**Ø 30m High  
Rate Thickener**



**Ø 10m FiltaSep**



**Pilot Thickeners**



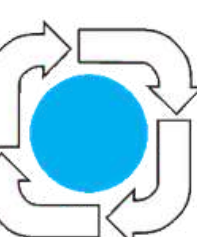
**Ø 6m Paste  
Thickener**



**Ø 2m Rake-Less  
Thickener**



**Ø 18m Thickener**





# Contact us



## Call us

+27 (0) 11 397 2121

## Email us

[sales@filtaquip.co.za](mailto:sales@filtaquip.co.za)

## Enquire

[www.filtaquip.com](http://www.filtaquip.com)

## Visit Us

17 Bisset Road, Hughes Ext 5 Jetpark, Gauteng

## Find Us

-26.175253, 28.224228

