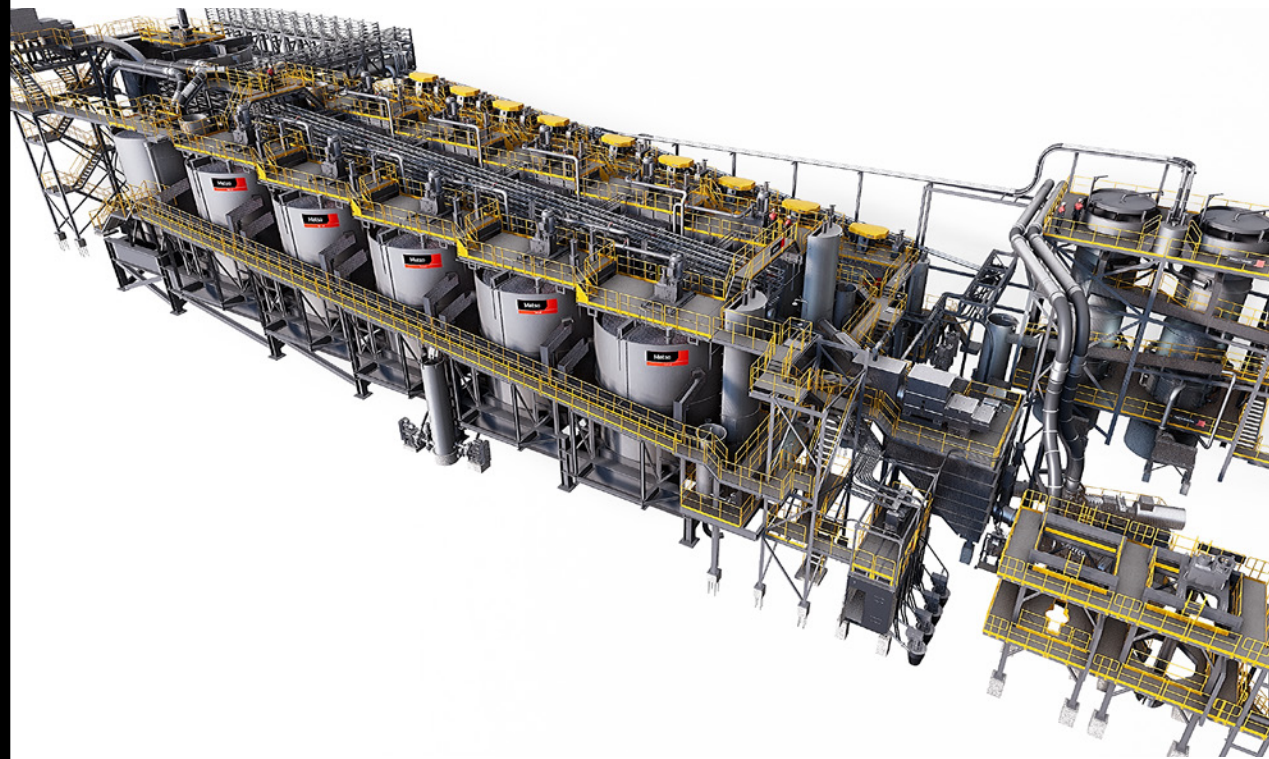


# Metso

## Flotation Plant Units

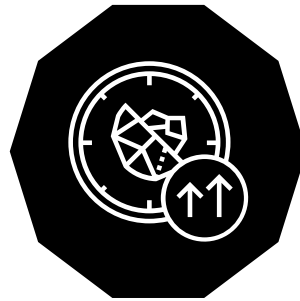
Maximizing  
performance and  
reliability



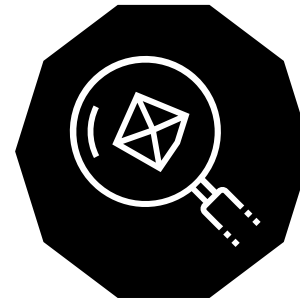


# Key challenges in flotation circuit performance

Decreasing ore grades and complex ore bodies set new challenges for the mining industry. Complex flotation circuit sizing and poorly integrated plant equipment can lead to recovery losses having an impact in the long run.



Changing ore types causing recovery losses



Understanding complex flotation circuit sizing



Poorly integrated plant equipment leading to underperformance

# Introducing Metso Flotation Plant Units

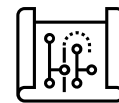
Through seamless integration of functional design and comprehensive scope, Metso Flotation Plant Units deliver unparalleled metallurgical performance leading to high operational reliability and return on investment.

Our extensive experience in process planning combined with installed base of over 15,000 flotation equipment installations around the world enables us to design and deliver complete optimized flotation circuits catering to all types of applications and ores.

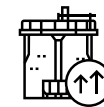
Compared to traditional delivery, Flotation Plant Units result in the earliest time-to-volume.



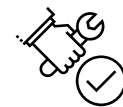
Compact footprint and minimized elevation



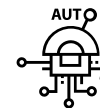
Complete sampling and automation portfolio



Wide range of flotation equipment from fine to coarse particle flotation



Safe and superior plant designed using industrial best practices



Decades of experience in flotation technology, with 15,000+ installations world-wide



High operational reliability & fast maintenance for continuous, trouble-free operation

# Industry's most comprehensive scope of supply

The Metso Flotation Plant Units offer industry leading technologies consisting of the most advanced flotation equipment, conditioners, froth handling system, as well as automation and services providing a one-stop shop from testing to full plant unit delivery.

### Core

- Flotation process know-how and sizing services
- Tankcell® flotation
- SkimAir® flash flotation cells
- ColumnCell™ flotation
- OKTOP® conditioners
- Froth handling (launders, sumps, pumping, piping systems)
- Process control and automation
- Proven plant and flotation process design

### Ancillary

- Blower and compressor systems
- Overhead cranes
- Piping and valves
- Building and equipment support steel structures
- Process and building electrification

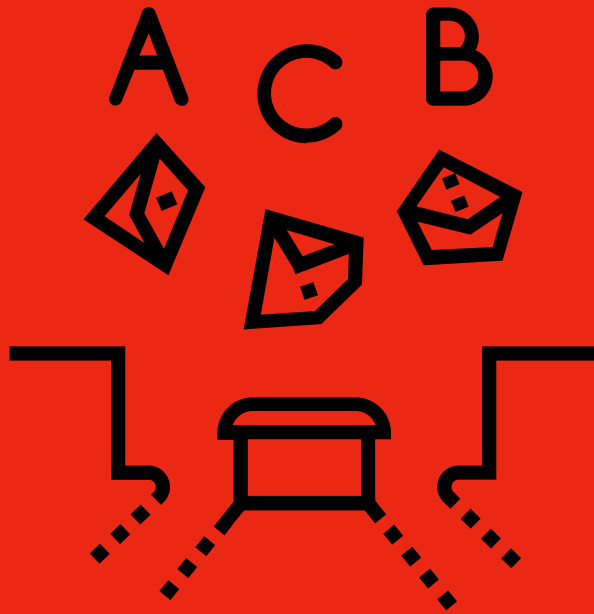
### Enablers

- Sampling systems
- Courier® analyzer
- LevelSense™ slurry level measurement
- FrothSense+™
- APC froth speed control
- APC flotation optimizer
- Geminex™ metallurgical digital twin

### Services

- Spare and wear parts
- Maintenance, shutdown and repairs
- Modernizations, upgrades and retrofits
- Process optimization and connected services
- Life Cycle Services
- Training services

# Why choose Metso Flotation Plant Units?



Maximizing  
performance &  
reliability

## Outstanding operability

High emphasis on accessibility with maximized maintainability and froth visibility by optimal pipe and cable routing

## Functional design

Compact footprint with froth handling designed for a high operational window, allowing for flexibility in circuit operation

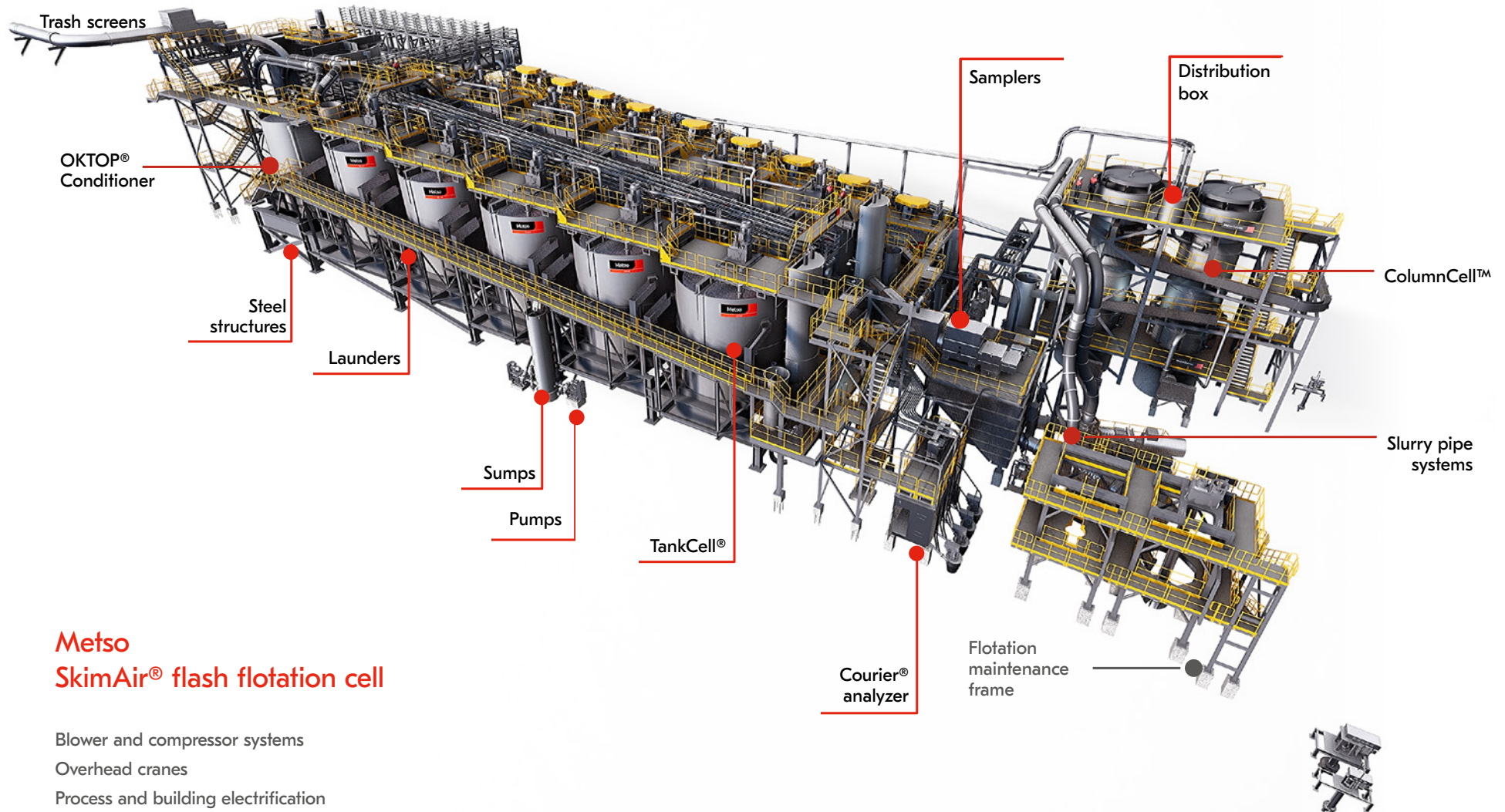
## Exceptional performance

Integrating flotation circuit testing, piloting & modelling with decades of process expertise and 15000+ delivery references into unrivalled flotation circuit design capabilities

# Main equipment and components

Metso

Intelligent sensors, process control, flotation optimizer



Metso

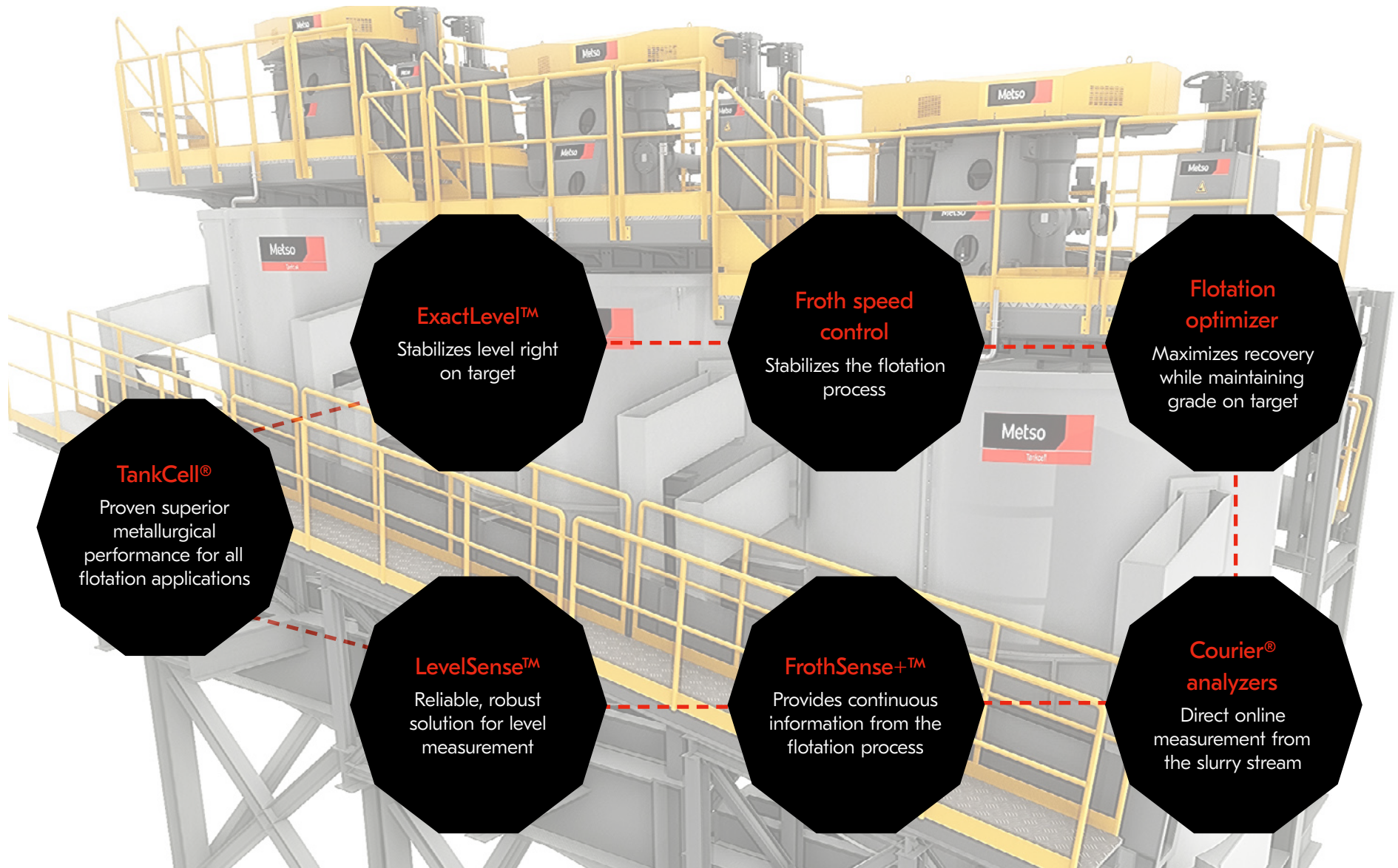
SkimAir® flash flotation cell

Blower and compressor systems

Overhead cranes

Process and building electrification

# Enabling flotation circuit optimization



## ExactLevel™

Stabilizes level right on target

## Froth speed control

Stabilizes the flotation process

## Flotation optimizer

Maximizes recovery while maintaining grade on target

## TankCell®

Proven superior metallurgical performance for all flotation applications

## LevelSense™

Reliable, robust solution for level measurement

## FrothSense+™

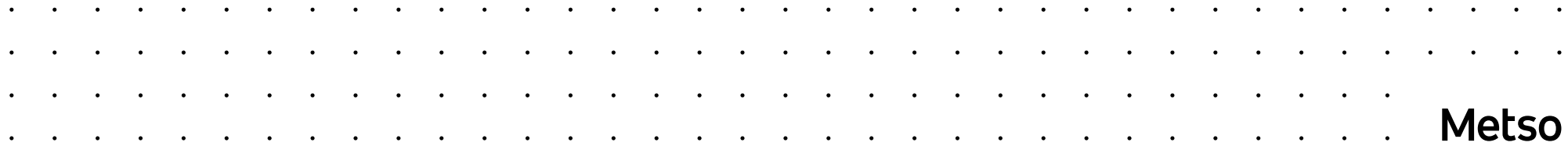
Provides continuous information from the flotation process

## Courier® analyzers

Direct online measurement from the slurry stream

Metso is a frontrunner in providing sustainable technologies, end-to-end solutions and services for the aggregates, minerals processing and metals refining industries globally. By helping our customers increase their productivity, improve their energy and water efficiency and environmental performance with our process and product expertise, we are the **partner for positive change**.

[metso.com](https://www.metso.com)



**Metso**