

Metso

Flotation services

Flotation cell retrofit



Flotation

The forced-air technology retrofit is compatible with all brands of flotation cell and can be provided as a standardized package for your self-aspirated cells.

Achieve reliable, energy efficient metallurgical performance and help solve sanding and stability challenges with a Metso TankCell retrofit.

Our expertise at your service

Achieving and maintaining optimal recovery of valuable minerals is not something that happens by chance. Designing a new flotation process, or choosing the right equipment for an existing process, requires experience and a deep understanding of minerals processing and metallurgy.

Our solutions are designed in our Engineering and R&D centers by experts specialized in minerals processing and technology development.

Using state-of-the-art laboratories and pilot plants for the most demanding test work, our specialists help you evaluate the best options for your process and make informed decisions for the entire life cycle of your plant.

Designed for your productivity

The productivity of your process has a direct effect on the profitability of your operations. Our decades of experience working with metals and minerals processors around the world has enabled us to develop some of the most innovative and productive flotation technologies on the market.

The Metso FloatForce® technology is a good example: by improving flotation hydrodynamics and pumping performance at high air dispersion rates, the FloatForce enhances particle recovery in the flotation cell, while also reducing power consumption and the risk of sanding.

Lifecycle support and beyond

Our extensive service portfolio and customized solutions cover all phases of your flotation plant's life cycle. We handle engineering and procurement (EP), engineering, procurement, and supply (EPS) or engineering, procurement, and construction (EPC) projects for flotation plants.

Our service scope is always tailored to meet your unique business challenges and to have maximum impact on your performance and productivity.

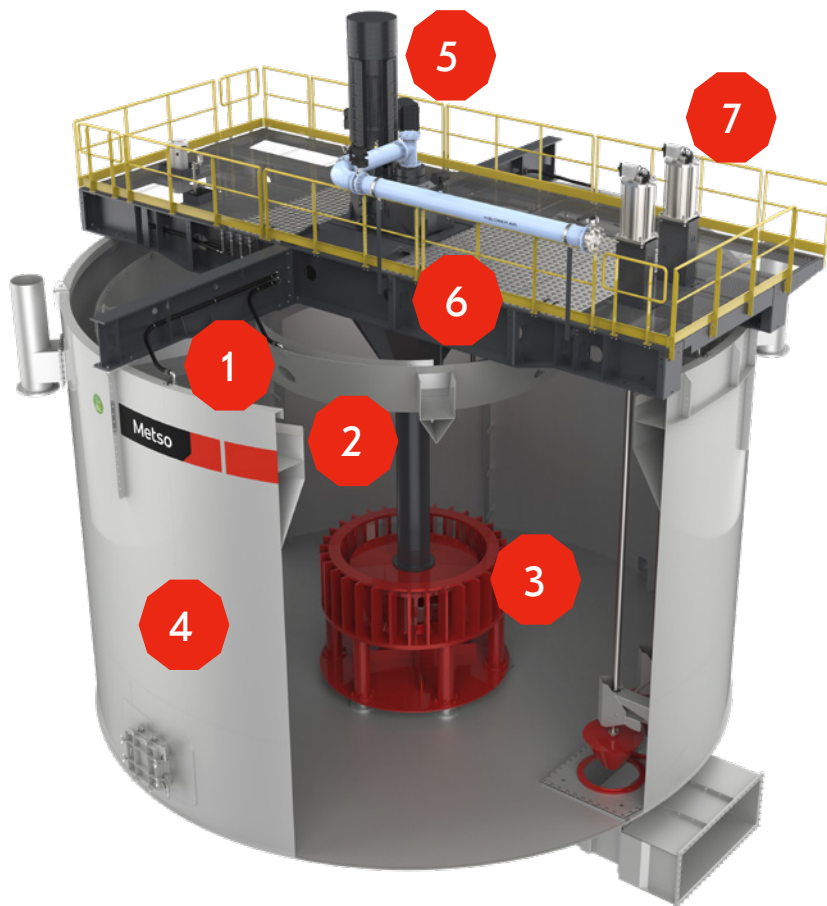
We can help you with everything from increasing productivity, product quality, energy efficiency, and recovery rates to improving water conservation, asset availability, and environmental compliance.

Benefits

- Increased throughput
- Improved recovery and metallurgical control
- Reduced downtime and maintenance requirements
- Decreased energy consumption and environmental footprint

Flotation modernization packages

Metso TankCell forced-air technology provides more stable and efficient metallurgical performance than self-aspirated cells and is fully compatible with other cell types. Our flotation cell retrofit uses proven Metso TankCell technology and state-of-the-art FloatForce forced-air technology. In addition to these technologies, the service can also include modern automation solutions as well as tailor-made service solutions.



- 1 Center launder upgrade**
Obtain maximum recovery with efficient froth recovery and collection
- 2 Spider crowder upgrade**
Ultimate froth zone optimization for larger flotation cells
- 3 FloatForce® mixing mechanism upgrade**
Improve hydrodynamics, enhance particle recovery, reduce power consumption & sanding
- 4 Flotation cell retrofit**
Achieve reliable, energy-efficient metallurgical performance, solve sanding and gain stability
- 5 Drive unit upgrade**
Improve energy efficiency and power transmission for and reduce maintenance costs
- 6 Air control upgrade**
Automate air regulation to optimize circuit performance, recovery and concentrate grade
- 7 Level control upgrade**
Get accurate level measurements, improved cell throughput, performance & reliability
- 8 Service platform**
Minimize downtime, maximize plant availability with quicker, easier and safer maintenance
- 9 Courier analyzers**
Get accurate online measurements for real-time process monitoring and control