

# Metso

Flotation services

## Service platform upgrade



Enhance plant availability and minimize downtime through swift, simplified, and safer maintenance performed from a service platform.

Plant availability stands as a critical Key Performance Indicator (KPI) for any concentrator, demanding proactive maintenance efforts. In the realm of flotation cell maintenance, complexity arises as key wear parts—the rotor and stator—are situated at the bottom of the cell.

Regular maintenance inspections necessitate emptying the cell. To streamline the replacement process and eliminate the challenges of working in confined spaces, the drive, shaft, and mixing mechanism can be lifted from the cell, allowing maintenance from a purpose-built service platform, also known as a maintenance platform.

The Metso Service Platform is tailor-made for Metso TankCell® flotation cells, offering a layout that expedites the maintenance of the cell's mixing mechanism. This approach results in reduced downtime and, consequently, heightened plant availability.

The platform comes in both individual and dual configurations, with the dual setup featuring a spare drive shaft to minimize downtime during ongoing maintenance work..

### Delivery scope

- Lifting rack
- Service platform(s):

1–5 TankCells: 1 platform recommended

6–10 TankCells: 1 dual-configuration platform or 2 individual platforms recommended, or 1 driveshaft mount for every 5 TankCells

We also supply service platforms for the following TankCell models and corresponding mixing mechanisms:

- e100 • e130 • e160 • e200 • e300 • e500 • e630



### Benefits

- Swift, safer, simpler maintenance
- Minimized downtime and higher plant availability
- Plug-and-play installation
- Quick response for unexpected failure

## Frequently asked questions

Question	Answer
How does the upgrade help to speed up the maintenance process and make it safer?	The platform provides sufficient free space to work around the equipment when the drive unit, shaft, and mechanism are hoisted into place. This ensures easier access to components and a safer working environment.
What lifting height does the platform require?	As a rule of thumb it requires two times its own height plus a 30% margin for extra hoisting capacity, but these requirements will vary according to TankCell capacity due to the different drive, shaft, and mixing mechanism heights
Can multiple drive sizes from different cells fit on the same service platform?	A hoisting rack for each specific cell capacity can be mounted on the service platform.
Do you offer service platforms for TankCells with a capacity of less than 100 m3?	It is more efficient to perform maintenance and replace wear parts from from inside smaller cells, but we can provide platforms on request.
What support do you provide to help me carry out proactive maintenance and make proper use of the platform?	We provide information on the best maintenance practices, and one of our maintenance experts can also conduct a site visit to provide additional support.

