



OUTOTEC CPLANT FLOTATION

The Outotec cPlant Flotation offers a cost-effective, flexible solution for tackling challenges with project budget or schedule overruns, constantly changing capacity needs, or operations in remote locations. The plant is based on pre-fabricated and functionally tested modules inside container-sized steel frames that can be easily transported and installed, and quickly connected to the process.

BENEFITS

- Reduced EPC project costs compared to a conventional flotation plant
- Up to 20% lower capital investment
- Requires 30% less labor resources
- 95% of installation & pre-commissioning done prior to delivery
- Minimal civil engineering work required

FAST TRACK TO PRODUCTION WITH LESS COST

The Outotec cPlant Flotation is a modular flotation plant equipped with Outotec FloatForce® mixing mechanism and other Outotec TankCell® technologies. The plant has been developed for projects handling up to three million tons of ore per year, with cell capacities of 1.5, 3.6, or 11 m³. Additionally, the plant provides a solution for bigger sites as cleaning cells or for selective flotation. Its prefabricated modules are easy and cost-effective to transport and install, and can be quickly connected to your process – keeping investment costs low.

The Outotec cPlant Flotation is the ideal solution in any of the following situations:

- You are facing challenges with an investment project running over time and budget
- Your capacity needs are constantly changing
- You are processing ore from a smaller deposit in a remote location
- You need to replace old, poorly performing flotation cells
- You require temporary production capacity during a brownfield modernization project in order to minimize production losses

As most of the installation and test work is done at Outotec's workshop, the plant requires less installation, commissioning and civil works on-site, providing a faster track to production with less cost.

Moving the plant to a new site

Outotec cPlant Flotation can also enable economically feasible processing of old tailings containing significant amounts of valuable metals or smaller deposits with shorter life time. Once the ore body has reached the end of its economic life, the plant can be transported to a new location.

Comprehensive service offering

Our extensive service portfolio and customized solutions cover all phases of the plant's life cycle, and our service scope is always tailored to meet your unique business needs and challenges.

- Advisory Services, including technical and process audits, engineering and EHS advisory services
- Operations Services, including ramp-up services
- Maintenance Services, including installation and commissioning, maintenance strategy and program
- Spare and Wear Parts
- Remote Services
- Training Services

The prefabricated modules are easy and cost-effective to transport and install, and can be quickly connected to your process – keeping investment costs low.



The modular construction of the cPlant Flotation makes it economical to move to a new site once the ore deposit at the old site is processed

TAILORED SOLUTION WITH MODULAR DESIGN

Outotec cPlant Flotation can be tailored according to the needs of your specific application, with the option to add new modules and reconfigure standard ones as required.

The plant is delivered pre-installed in a steel frame the size of a shipping container, and includes pre-installed drive mechanism, instrumentation, piping and electrification, as well as automation and controls if requested. Auxiliary equipment such as blowers, a reagent plant, conditioners, pumps and pump sumps, analyzers, and control and automation rooms can also be supplied in additional container modules. As the plant is delivered with most of the supporting structures integrated into the prefabricated unit, it requires only basic foundations.

Standard cPlant Flotation cell modules

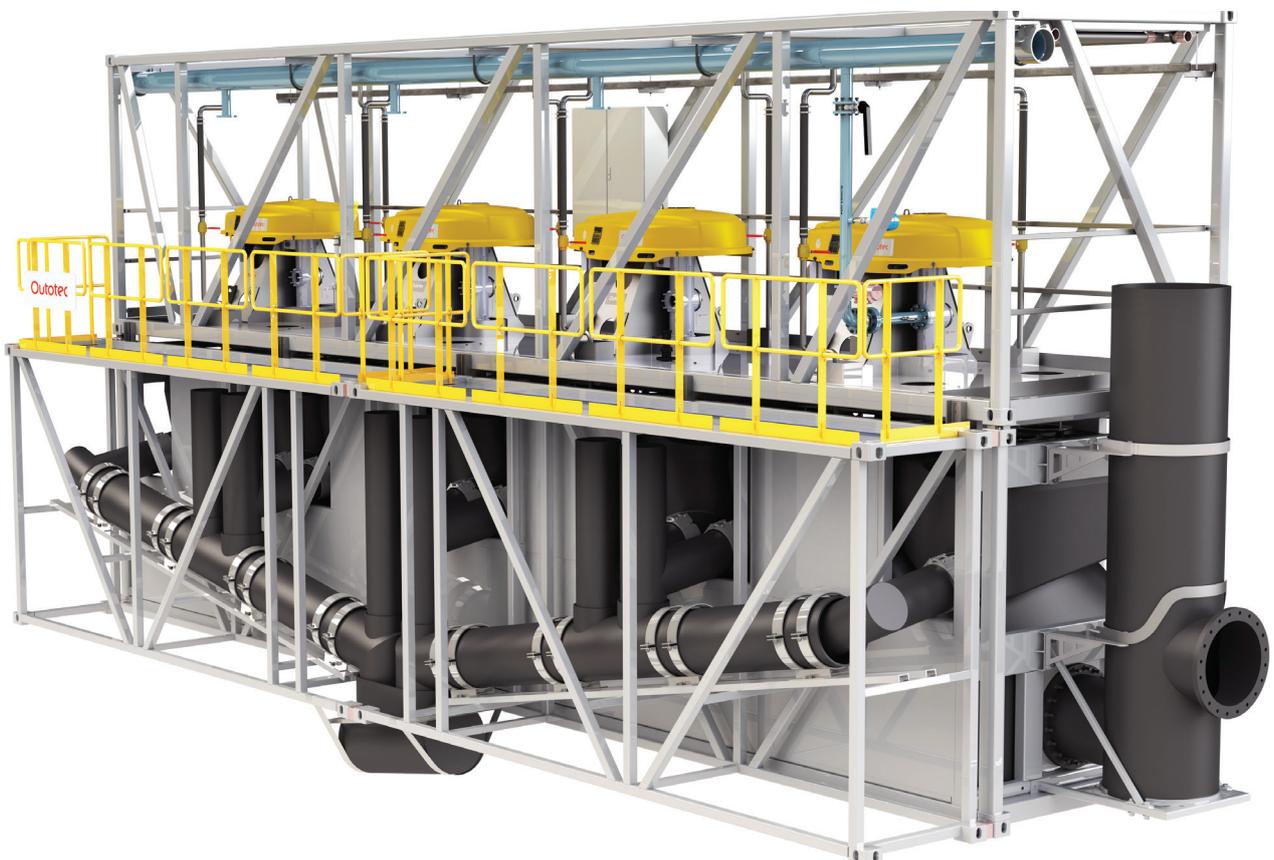
- Flotation module C11, C6, C3 or C1.5
- Launder module

Additional modules

- Pumping module
- Blower module
- Motor control center (MCC) module
- Reagent Preparation
- Reagent Dosing
- Conditioner
- Control Room
- Automation room
- Analyzer

Outotec cPlant Flotation is equipped with premium flotation, automation and instrumentation technology ensuring high process efficiency.

For more information please visit www.outotec.com/cplant-flotation.



Flotation module C11-4 with 4 cells/shafts in a 40 foot container.

Outotec provides leading technologies and services for the sustainable use of Earth's natural resources. As the global leader in minerals and metals processing technology, we have developed many breakthrough technologies over the decades for our customers in metals and mining industry. We also provide innovative solutions for industrial water treatment, the utilization of alternative energy sources and the chemical industry. Outotec shares are listed on NASDAQ OMX Helsinki. www.outotec.com

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