

Metso

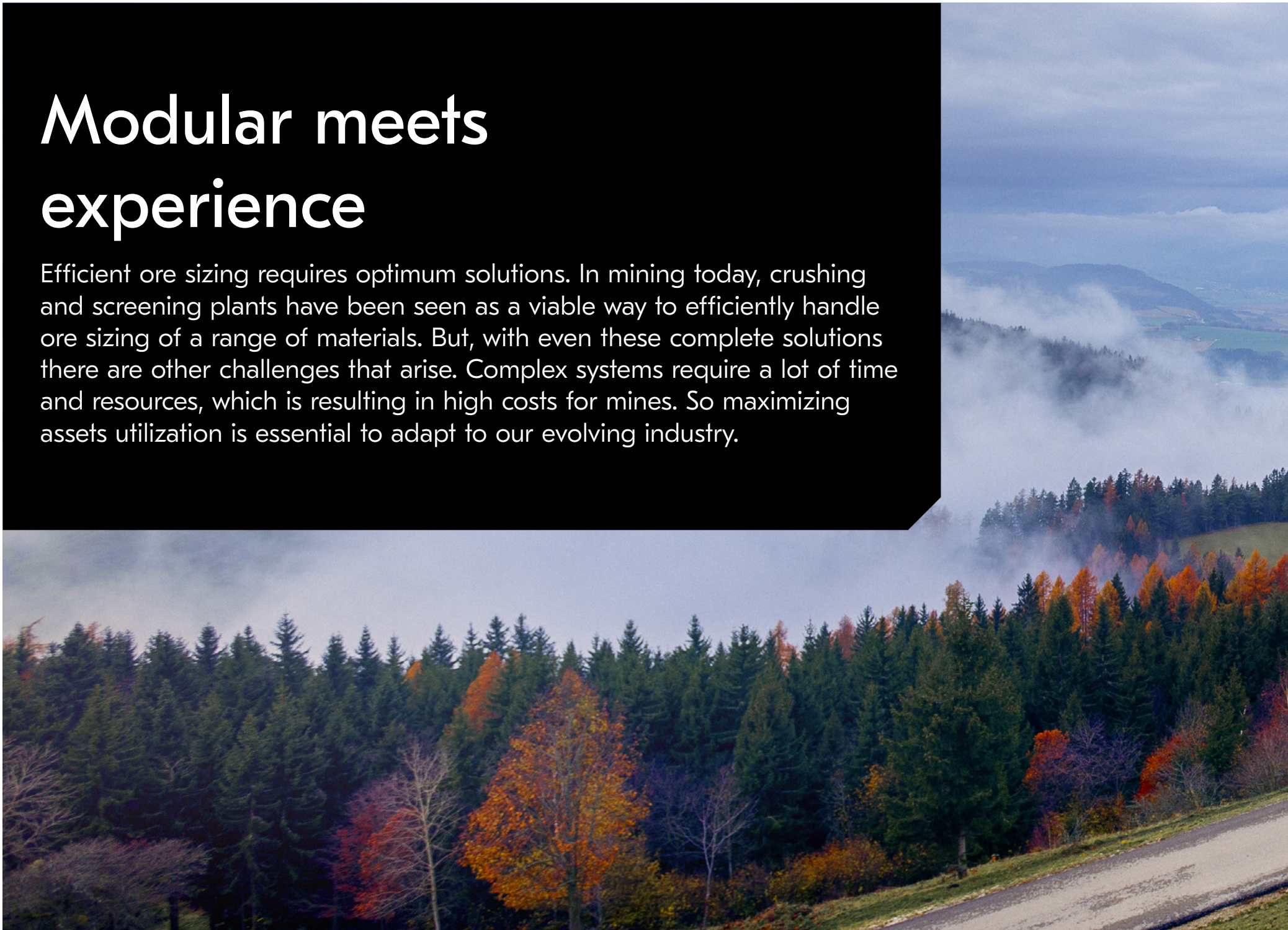
Combining legacy and expertise

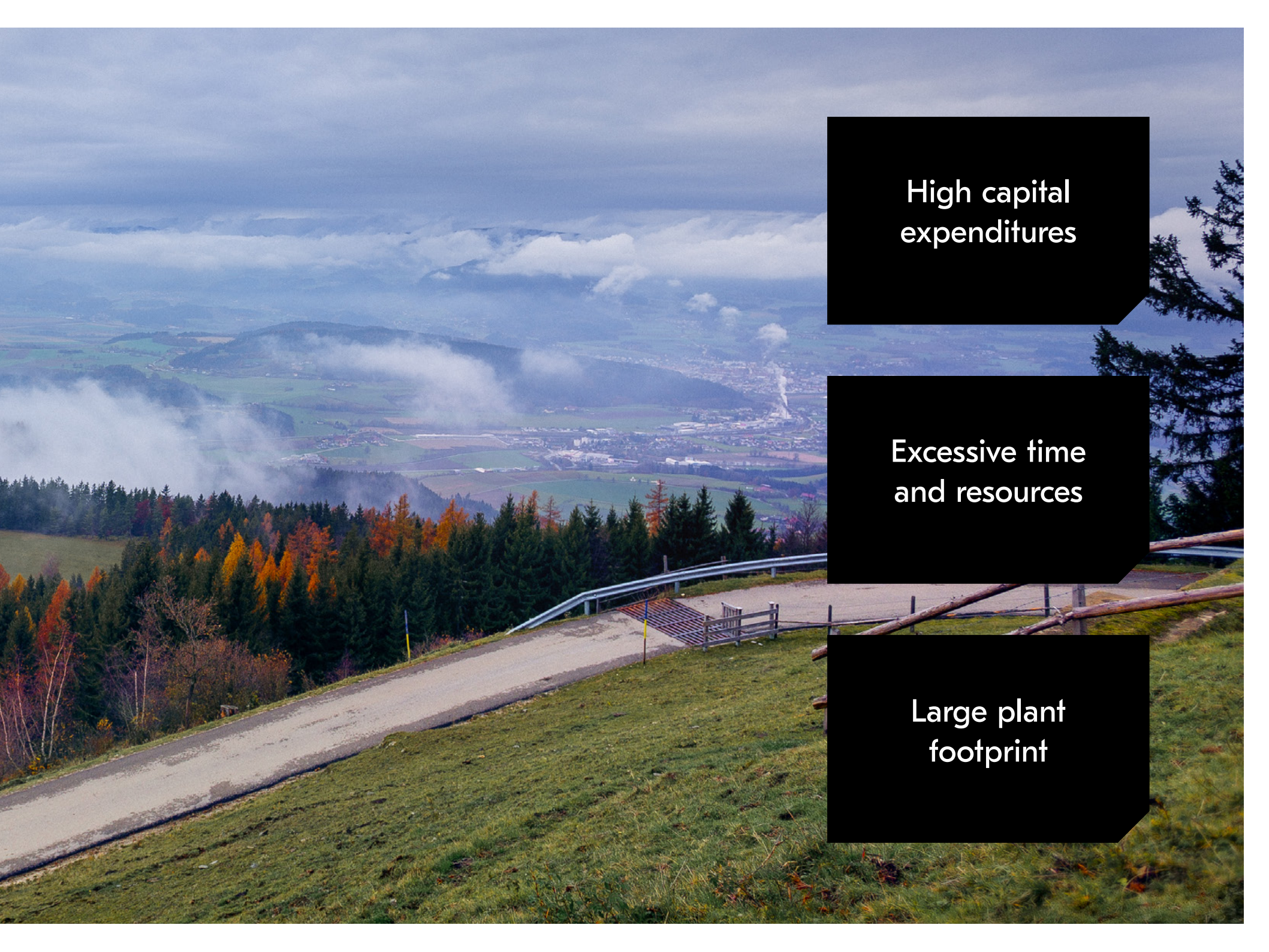
Mining Crushing Stations



Modular meets experience

Efficient ore sizing requires optimum solutions. In mining today, crushing and screening plants have been seen as a viable way to efficiently handle ore sizing of a range of materials. But, with even these complete solutions there are other challenges that arise. Complex systems require a lot of time and resources, which is resulting in high costs for mines. So maximizing assets utilization is essential to adapt to our evolving industry.





High capital
expenditures

Excessive time
and resources

Large plant
footprint

Introducing Metso Mining Crushing Stations

Combining legacy and expertise

Metso has experience in delivering tailor-made mining crushing and screening plants. With over 100 installations to a wide range of applications, our end-to-end process has helped develop our Metso Mining Crushing Stations.

Metso Mining Crushing Stations are unique, cost-efficient and productive solutions. All are modular crushing and screening plants designed to significantly increase time and resource savings for mining operations.

100+ mining
crushing and
screening plants
delivered
globally



Time savings

Design information available
reducing feasibility,
engineering
and construction

Flexibility

Industry's widest portfolio of
modular crushing and
screening plants that offer
customization per local
regulations

Ease of maintenance

Mining duty stations
built with
robust equipment

Wide range of solutions

Metso Mining Crushing Stations includes 3 mining crushing and screening plant solutions that are unique, cost-efficient and productive to fit your needs.

NW Rapid™ plants
Plug and play



FIT™ Stations
Speed and flexibility



Foresight™ Stations
Smart and autonomous



NW Rapid™ plants

Plug and play

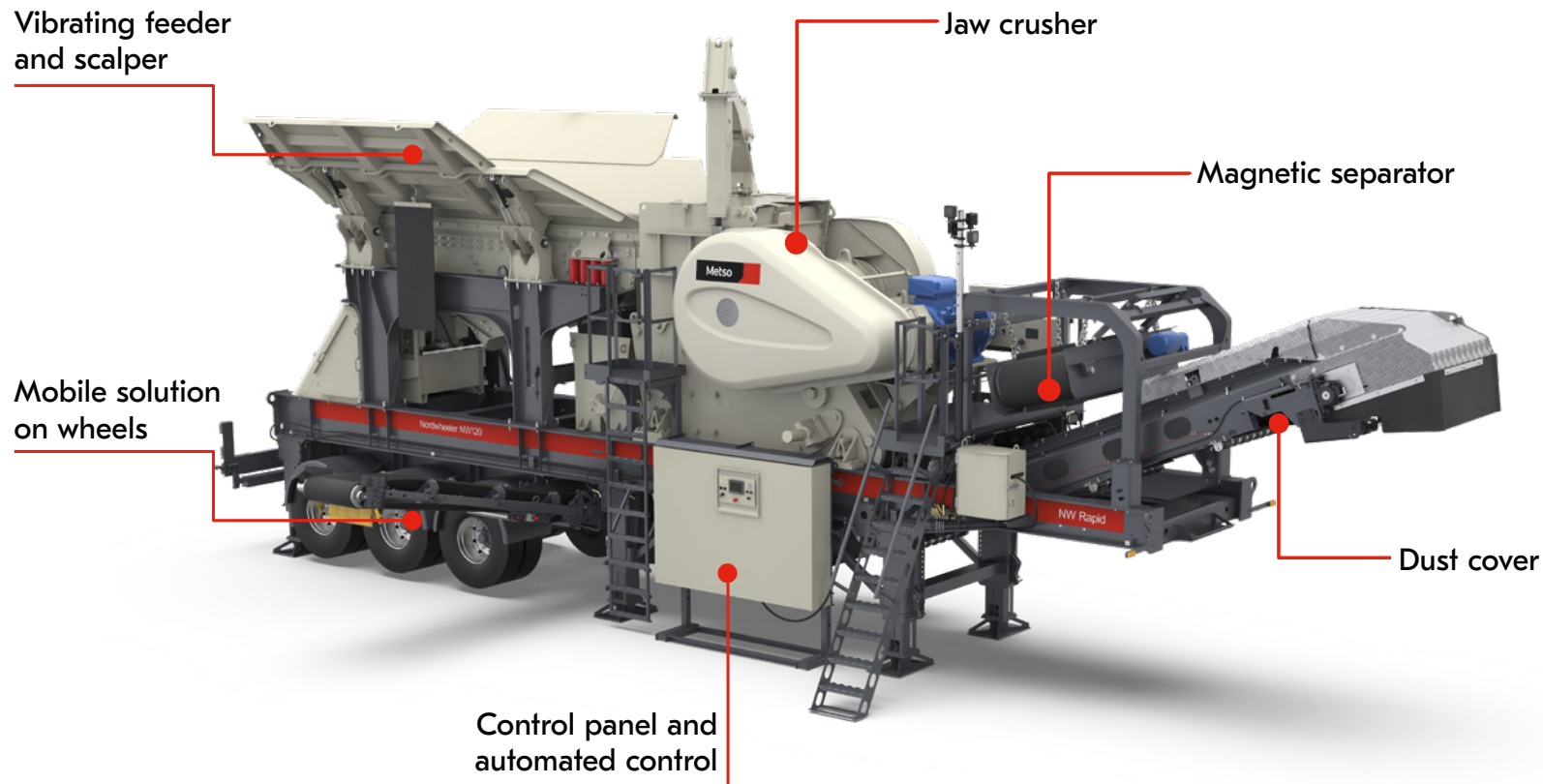
NW Rapid™ plants are an established crushing and screening plant within the Metso portfolio that is well known for a quick set up (10-14 weeks lead time FCA). Best used for applications in primary, secondary or tertiary crushing, the NW Rapid™ plants can handle a capacity of up to 1,000 tons per hour.

The design of this crushing and screening plant also comes with conveyors included. Also the plant is wheel mounted and can be mobile throughout the site if needed.



NW Rapid™ plant design

Metso NW Rapid™ plants are built with reliable equipment and components.



Learn more about NW Rapid solutions
metso.com/nw-rapid

FIT™ Stations

Speed and flexibility for quick installation

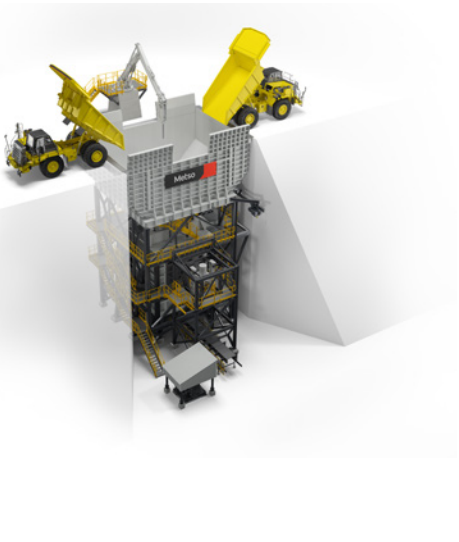
Metso FIT™ Stations use the speed and flexibility of the modular design to provide a quick installation. We offer 3 stations fitting the FIT™ Stations name: Primary gyratory, jaw stations and recrushing stations.

Most components for the stations can be supplied in containers and will reduce on site welding required. Both solutions bring reduced delivery time by up to 25% and reduced erection time by up to 15% compared to similar crushing and screening stations. These stations have capacities that are available up to 4,000 tons per hour.

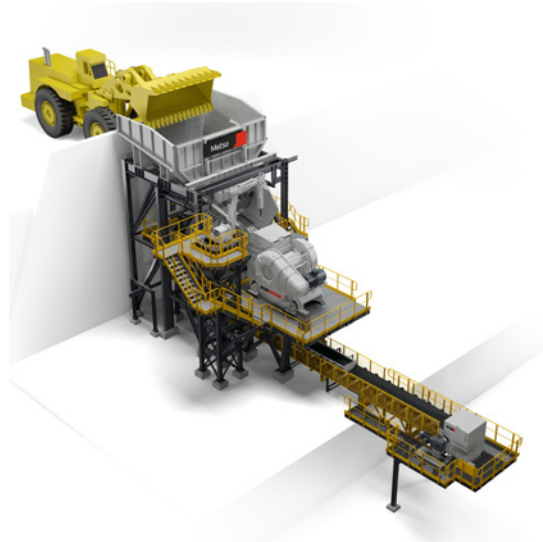
Reduce
erection time
by up to **15%**

Reduce
delivery time
by up to **25%**

Primary gyratory station



Jaw station



Recrushing station



Finding your FIT™

Metso FIT™ Stations offers a wide range of equipment configurations. Giving flexibility to meet your operational needs for capacities up to 3,500 tons per hour.



Primary gyratory stations



Jaw stations



Recrushing stations

Capacity	≤ 4,000 t/hour
Lead time	40 weeks (FCA)
Crusher models	Superior™ MKIII 42-65, 50-65, 54-75
Applications	Primary crushing

Capacity	≤ 3,000 t/hour
Lead time	25 weeks (FCA)
Crusher models	C120, C130 C150, C160
Applications	Primary crushing (Sizer available)

Capacity	≤ 750 t/hour
Lead time	25 weeks (FCA)
Crusher models	HP400, HP500
Applications	Stockpile recrushing (Secondary and tertiary)

Learn more about FIT™ stations
metso.com/portfolio/fit

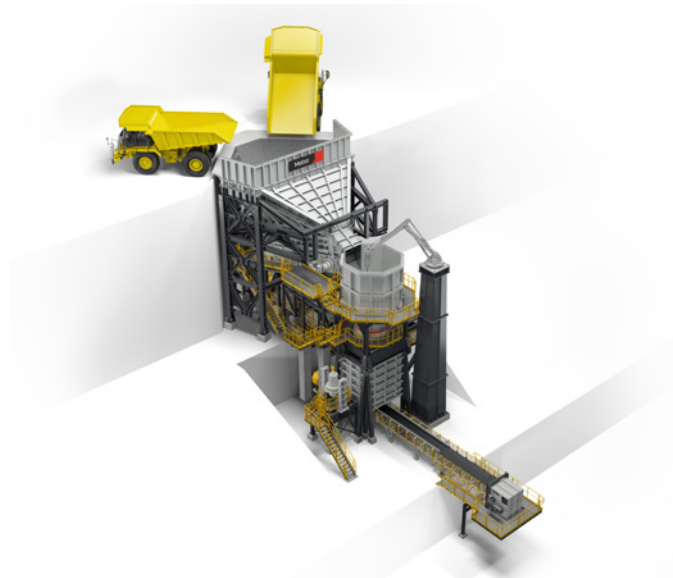
FIT™ stations

Primary gyratory stations

As the latest addition to the FIT™ family, the Metso primary gyratory station is designed for stationary primary crushing applications. Capacities range up to 4,000 tons per hour, 40 weeks (FCA) lead time and utilize our Superior™ MKIII crushing technology.

The primary gyratory stations come in 3 different configurations: Single feed, dual feed and indirect feed.

High
throughput



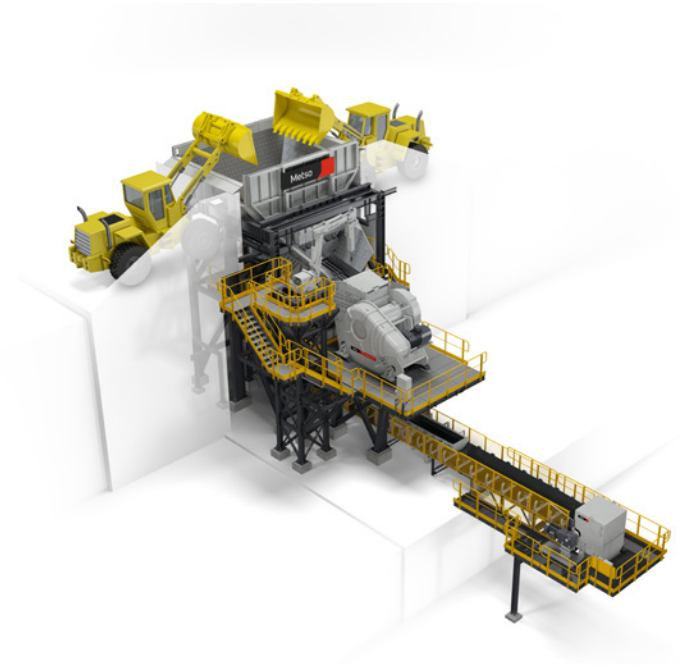
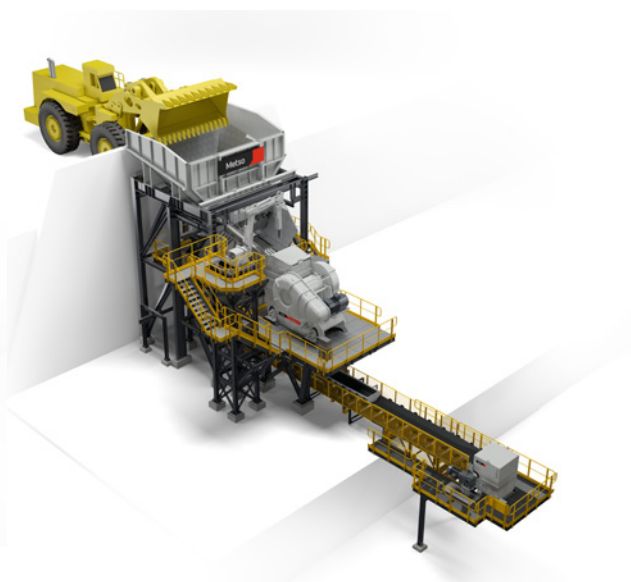
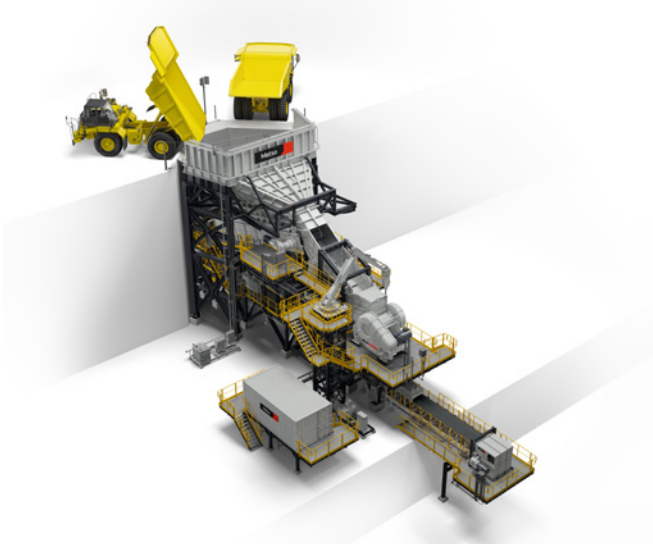
FIT™ stations

Jaw stations

The Metso Jaw station is very flexible in the ability to have wide range of possible configurations fitting to range of needs. With 25 weeks of lead time (FCA) and capacities up to 3,000 tons per hour, the Jaw station can be best suited for primary crushing.

Also because of the modular design, this allows for ease of maintenance for the different components of the station.

30+
configurations



FIT™ stations

Recrushing stations

Metso Recrushing stations are skid mounted with conveyors included and fed by an excavator (Or a truck if desired). Best installed close to the stockpile for stockpile recrushing, this station sees fitting into secondary and tertiary applications.

Also for certain applications, Recrushing stations will boost SAG mill capacity. This solution allows for capacities up to 750 tons per hour and a lead time of 25 weeks (FCA).

Boost SAG mill
capacity by up
to **15%**



Foresight™ Stations

Smart and autonomous for optimal production

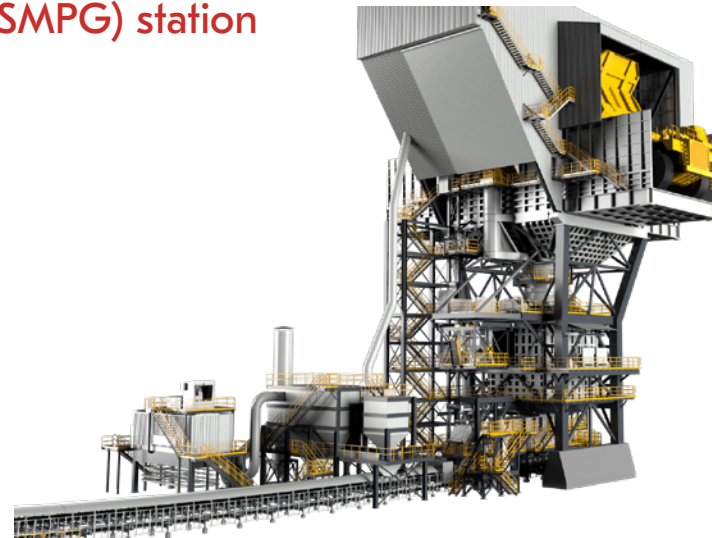
Metso Foresight™ stations help provide optimal production levels to mining operations. Using Metso proven smart controls and equipment in combination, this allows the fully connected plant to always be monitoring station conditions to ensure that no time or resources are wasted.

Featured solutions in the Foresight™ family are the MP cones station and the Semi mobile primary gyratory (SMPG). Capacities range up to 15,000 tons per hour and 40 weeks lead time. These stations also bring top size control with a reduced plant footprint compared to similar crushing and screening plants.

MP cone station



Semi mobile primary gyratory (SMPG) station



Learn more about Foresight™ stations
metso.com/portfolio/foresight

Foresight™ stations

MP cone crusher station

Fully
connected
solution

The MP cone station is a fully connected plant for capacities up to 6,000 tons per hour and offers a lead time of 40 weeks (FCA).

This station also will reduce plant footprint due to the use of multiple pieces of equipment in a compact design and eliminates the need for other equipment downstream.

Applications include secondary or tertiary crushing, or can be used for direct feeding to a high pressure grinding roll (HPGR) or a SAG mill.



Foresight™ stations

Semi mobile primary gyratory (SMPG) station

Metso's Foresight™ semi-mobile primary gyratory (SMPG) station is a crushing plant made of steel. The guiding principle is to reduce concrete works to the largest degree and build a modular plant with a focus on ease of installation and associated site-activities, maximizing off-site work, as well as ease of relocation.

The capacity can range up to 15,000 tons per hour and is best used in primary crushing or in pit (In pit crush and convey) applications.

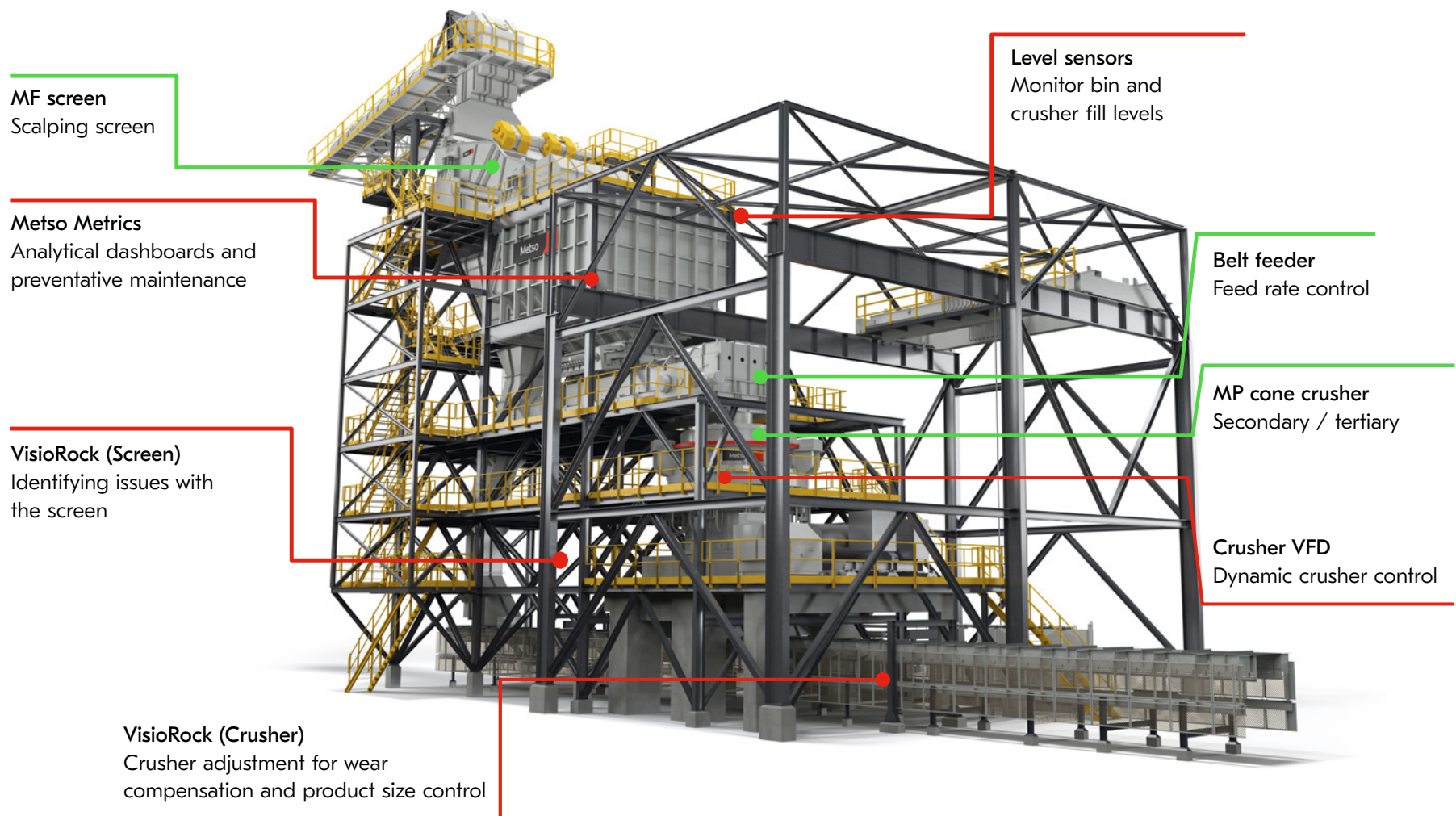
The SMPG station has a modular approach that focuses on a few different pillars to build your optimal station.

Capacity range
up to
15,000 t/h



Monitor, identify and adapt

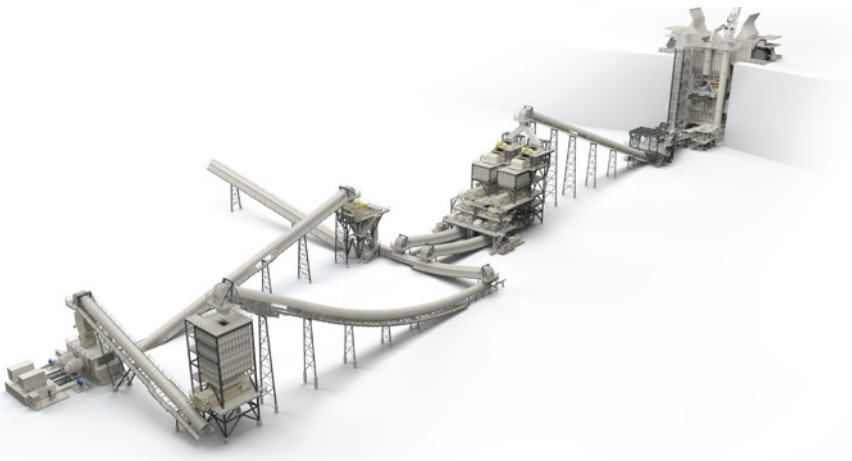
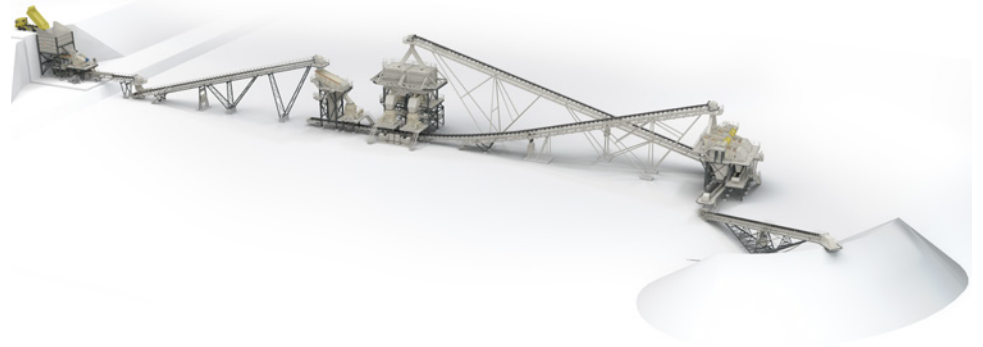
Foresight™ stations combine smart controls and reliable equipment to provide a fully connected solution.



Multiple station combinations

In the mining industry, there will be situations where it would be fitting to build even larger, integrated solutions.

The modular designs of Metso Mining Crushing Stations is not only applied to the stations, but also gives the ability to unify stations to fit any need. So the capabilities for these solutions become an even wider range.



Services built for performance

Maximize efficiency, availability and longevity

Spare and wear parts

Crafted to the same strict specifications and standards as our equipment, our genuine parts ensure complete compatibility for seamless operation. Our global distribution logistics network ensure that Metso OEM spare and wear parts are available when you need them.

Equipment upgrades and retrofits

Improve your equipment's productivity without the large capital investment. Our upgrades are offered as easy-to-implement packages or custom-engineered for your specific requirements, with the aim of enhancing safety, operating and maintenance features.

Maintenance and repairs

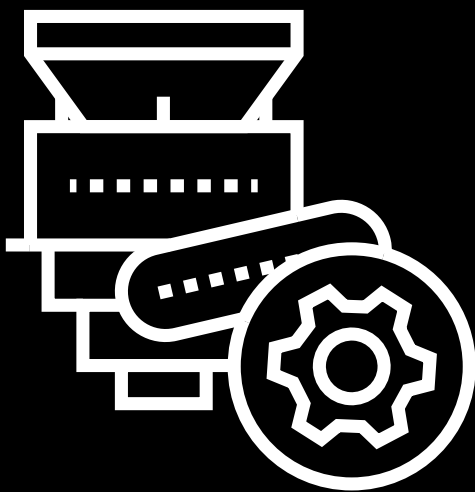
Proper maintenance is key to running your equipment effectively. Metso offers end-to-end service ranging from inspection and diagnostics, equipment and part repairs, shutdown solutions and planning, as well as emergency services.

Process optimization and controls

Metso process experts help in solving complex operational issues using analytical techniques, laboratory testing, and advanced control systems. Whether you need to optimize a piece of equipment, a circuit, or your entire plant, we have the tools and technology to help you make it happen.

Life cycle services and performance solutions

Metso's pre-packaged solutions are designed to assist you in meeting your business goals, from start-up to shutdown to end-of-life. We can support you on a specific activity or over a larger scope, combining elements from our large portfolio of services with unique commercial models.



Crushing and screening plants in mining have their challenges. Metso understands the industry challenges and has developed our Mining Crushing Stations which features unique, cost efficient, modular and productive stations.

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

