

Planet Positive definition

The products and services included in the Planet Positive portfolio are distinctive from a sustainability point of view, address customers' sustainability needs, and build on our competitive advantages. Planet Positive products are demonstrably more energy- or water-efficient than the industry benchmark or Metso previous generation product in the market, help our customers cut their CO₂ emissions, or achieve other sustainability priorities such as reducing pollution. Planet Positive Services can improve customers' processes to achieve similar benefits. We have also defined the scope of Planet Positive to not only cover offerings that directly reduce the environmental footprint of a customer's operations but to also consider embedded carbon, i.e., the carbon emitted in manufacturing and delivering products, as well as the potential for recycling materials used, producing products with less materials or using more sustainable materials.



We define the required level of performance to qualify as a Planet Positive portfolio to ensure that designated products and services can make a meaningful contribution to our customers' efforts toward reaching their climate and other environmental targets.

Specifically, we define Planet Positive qualification requirements and threshold levels for qualifying as Planet Positive by looking for such performance improvement level that would be consistent with our customers achieving their own publicly stated climate change and other environmental targets, e.g. for reducing their carbon footprint.

In addition to the qualification criteria, a Planet Positive product or service always needs to be as good, or preferably better, than the industry benchmark product(s) in terms of health and safety, pollution, and biodiversity impact. We are therefore confident in stating that Planet Positive products are demonstrably better than the industry benchmark.

Planet Positive for capital equipment and consumables

We compare all Planet Positive products with industry benchmarks and use concrete data to evidence the sustainability performance and related performance claims such as energy efficiency improvements. This evidence includes one or several of the following: specific improvements compared to an industry benchmark or a previous generation product in the market, performance analytics and simulations, as well as comparisons using product calculators.

Planet Positive for Services and digital offering

The Planet Positive designation for Services follows the same logic as for capital equipment and consumables. However, the thresholds for aftermarket are lower than for equipment because when using services to improve existing equipment, it is an ongoing process to make incremental improvements, i.e. there are many opportunities to progressively accumulate benefits over the lifetime of the flowsheet. Over time, such cumulative gains can be very significant. In addition, by implementing sustainable upgrades to existing equipment we can reduce waste by giving new life to older machines.

Assessing embedded carbon to qualify for Planet Positive

Embedded carbon in a product can be minimized in multiple ways, and the following factors are included in the Planet Positive assessment:

- Less raw material for the same performance (% reduction ¹⁾)
- Increase in output for constant raw materials (% improvement ¹⁾)
- Decreased carbon raw material for the same performance (% reduction ¹⁾)
- Extending equipment life (% increase in average life ¹⁾)
- Maximizing (%) recycled materials used as input (% compared to market average)
- Enabling recycling of waste output (% recycled)
- Lower logistics emissions (% reduction ¹⁾)
- % of embedded carbon that is offset

¹⁾ compared to the industry benchmark or Metso previous generation product

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)

