

# Cutting emissions and creating value through remanufacturing

How manufacturers can unlock profit, resilience, and sustainability with IFS Cloud™, delivered by Platned

## What remanufacturing really means in 2025

Remanufacturing is not about repairing broken parts. It is a fully industrialised process that brings used products back to a condition as good as new, and often better. Using a mix of reused, repaired, and new components, products are rebuilt to specification, with full traceability and quality control. This is not a new idea. It was pioneered during the Second World War as a resource-efficient way to produce and maintain heavy machinery. Today, it is a strategic tool for sustainability, operational continuity, and cost efficiency.

## Climbing the value hill again

Think of a product's life cycle as a hill: raw materials, manufacture, distribution, and use. Traditionally, when a product reaches the end of its life, its value is lost. Remanufacturing changes the game. It allows manufacturers to "climb the hill" again, extending product lifespans and preserving the value already invested in them. An engine with 20 years of service can go another 20 through remanufacturing. That is not just reuse, it is resilience.

## Why it's a triple win – business, customer, planet

**Business:** Raw material costs can account for up to 70% of total production expenses in industries such as tyre manufacturing. Remanufacturing reduces these costs by reusing existing materials.

**Customer:** Buyers get high-performance, warranted products at a lower cost, with value comparable to new items.

**Planet:** Remanufacturing saves energy and significantly reduces carbon emissions over the product life cycle.

## What is holding manufacturers back?

Despite the benefits, only around 30% of manufacturers in Sweden and Finland currently operate remanufacturing programmes. Four big challenges often stand in the way:

- Unpredictable core returns – uncertainty in timing, quality, and volume of returned products
- Reverse logistics – complexity in moving products back from the field
- Component mix management – careful blending of old and new components
- Data complexity – need for robust systems covering traceability, inspections, and warranties



## The technology to tame the complexity

IFS Cloud™, delivered by Platned, is built to manage remanufacturing complexity. Unlike bolt-on systems, it provides native support across the product lifecycle:

- Disassembly and inspection workflows
- Core tracking and inventory valuation
- Component reuse prioritisation within MRP
- Cost roll-ups for reused and new components
- Shop floor integration for planning and execution

Whether working to order or forecast, IFS Cloud™ intelligently plans and prioritises reused parts, backed by new components when needed.

## What the future looks like

The demand for remanufacturing is set to accelerate in times of material shortages, customer pressure, and tightening regulations. It is expanding beyond engines and heavy machinery into sectors such as robotics, electronics, timber, and consumables.

With the right logistics, market conditions, technology, and IT system, remanufacturing becomes scalable. And scalability is the key to resilience, competitiveness, and sustainability.

## About Platned

Platned is an IFS Gold Services Partner, helping manufacturers unlock the full potential of IFS Cloud™. We deliver the expertise and technology to make remanufacturing practical, profitable, and sustainable. Learn more at [platned.com](https://platned.com)