

remanufacturing REMANPATH pathways

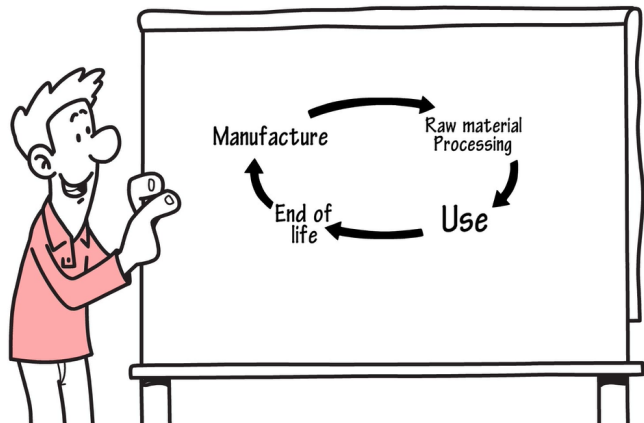
- Is your business an SME?
- Are you involved in manufacturing?
- Looking for ways to improve your sustainability?
- Interested in developing new business models?

What is remanufacturing?

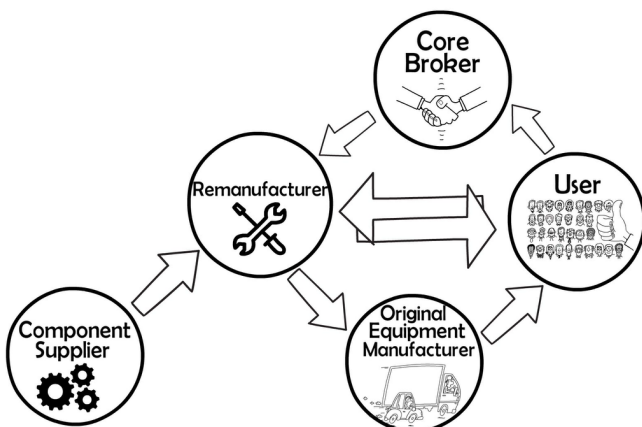
Remanufacturing involves dismantling and cleaning a product, restoring or replacing any damaged components, then testing the reassembled product.

For a customer, the remanufactured product is just the same as a new product, usually with a warranty equivalent to that of a new product.

A remanufactured product should be at least as good as the original and should meet the original product's performance specifications.



How does this work?



- There are several actors involved in a typical remanufacturing supply chain. Some Original Equipment Manufacturers (OEMs) will do their own remanufacturing, while some contract it out to third parties.
- Whichever way they operate, a critical part of remanufacturers' business is taking back 'core' end-of-life products to remanufacture, either directly from the user or through brokers.
- Remanufacturers also need to access components to replace worn or broken parts. The remanufactured product can then be returned to use, either through a supplier or directly to the user.

Find out what remanufacturing could do for your business by following this link to free materials to help get you started:

<https://www.remanufacturing.eu/remanpath>

Remanufacturing *in practice*

Finnish tractor manufacturer **Valtra** began offering remanufactured transmissions in 2012 and since then the turnover for Reman gearboxes has increased 25-30% annually. Currently Valtra offers around 120 types of transmission components, and remanufactures each year over 800 transmissions, powershift gearboxes and forward -reverse shuttles. Remanufactured components are an attractive alternative for a growing number of customers. They come with all available updates and a warranty, cost 60-70% the price of new ones, and can be sent to customers straight off the shelf. Material and energy savings are remarkable. Valtra technicians themselves are happy with the service as it requires a high level of expertise, and the cross-functional collaboration helps improve the products.



Aqua Assainissement has developed (in partnership with the G-SCOP laboratory) an initiative to remanufacture end-of-life compressors and engines for micro-sanitation stations, as part of a global circular economy project. This initiative involves the launch of remanufacturing activities from components recovered from several out-of-use products, the online sale of remanufactured products with a six months' warranty, and the recovery and recycling of materials from parts that cannot be remanufactured. Aqua Assainissement was the winner of the 2018 "eco -innovative service" of the Bourgogne Franche Comté Eco-innovation trophy (France).



German **AfB GmbH** is a non-profit IT company that is active in the remanufacturing of used high-quality and refurbished IT hardware, with a warranty up to three years. The refurbishment is done by AfB, including pick-up of the hardware, certified data deletion, professional cleaning, disassembly, separation and remanufacturing.



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