

Remanufacturing

Remanufacturing is commonly defined as

"The process of returning End-of-Life products to as-new or better condition with warranty to match"

Remanufactured products appear in virtually every product class and sector, often engineered by famous names, but also by some of the largest private companies you've never heard of.

These are a few of the products that are available both to business customers and to consumers.



We estimated the value of remanufacturing to be on a par that of the recycling industry. This has been achieved without any government support or intervention, but delivers disproportionate material, energy and employment benefits.

About The Centre

The Centre for Remanufacturing & Reuse is a BREW pilot programme, now entering its second year of funding. It is the only pilot programme addressing the spectrum of product reuse (excluding recycling) from refurbishment, through remanufacturing to remarketing.

About Year 1: Evidence Base

The first year of our pilot programme was directed to understanding the state of play in high impact sectors and product groups (see right).

We estimated what the benefits could be if modest but sustained changes could be made in demand for these products.

Critically, we determined, by consultation with the sectors, where action could be taken to make things happen. Examples of this are shown on the third panel.

Our action plan can be seen at the web site, www.remanufacturing.org.uk.

Products and Sectors

White Goods
Visual Displays
Vending Machines
Industrial Food Processing Equipment
Automatic Teller Machines
Pump and Fans
Office Furniture
Carpet Tiles
Aerospace
Rail – Traction and Rolling Stock
Machine Tools
Cutting Tools
Automotive
Tyres
Refrigeration & HVAC
Photocopiers
Toner Cartridges

The Role of Remanufacturing & Reuse

Remanufacturing and reuse is not a universal solution. However, it can achieve at least Factor 4 benefits, when used appropriately. Our Year 1 work demonstrated to Defra that real benefits were available and endorsed by industry.

Year 2

This year, we are moving from a data-gathering to an action phase involving real remanufacturing companies, OEMs, purchasers, social enterprises, researchers and other BREW delivery partners.



www.remanufacturing.org.uk

Our Mission

The Mission of Defra's Centre for Remanufacturing and Reuse is to stimulate increased appropriate remanufacturing and reuse with commensurate sustainability benefits.

Our Key Actions This Year

- Raise awareness amongst purchasers of the benefits of purchasing reman goods.
- Work with MTP to create specifications for reman products for purchaser confidence.
- Create publicity to illustrate credible, quality operators in each sector.
- Work with sectors to institute standards and protocols for supplier consistency.
- Create tools for OEMs and remanufacturers to analyse reman potential.
- Bring together remanufacturers across and within sectors for practice and technology exchange.
- Stimulate "design for remanufacture" – product and process – by project support.
- Gather metrics that demonstrate reuse benefits to influence fiscal policy such as Enhanced Capital Allowances.
- Support and direct research into frontier reuse topics, and more.

Our Vision Is

- To be a recognised hub for advice, support and policy creation in the area of remanufacturing and reuse (NOT recycling).
- To enable environmentally and economically beneficial decisions about End-of-Life products both by manufacturers and purchasers, based on sound data and methods.
- To establish quality standards that underpin quality, ethical remanufacture and reuse.
- To act as an advice point for policy and government research to underpin activities.

More Information

Our action plan can be seen in full at the web site, www.remanufacturing.org.uk.

Register there to stay in touch, receive news items and access full resources.



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