



Update

August 2008

Welcome to the ninth newsletter from the **Centre for Remanufacturing & Reuse**, established with Defra support by Oakdene Hollins Ltd to promote remanufacturing and other reuse options.

Through this newsletter we hope to reach all those who are interested in keeping abreast of current developments in remanufacturing by providing them with up-to-the-minute news and information on remanufacturing worldwide.

We are pleased to announce that the **Centre for Remanufacturing and Reuse** website: www.remanufacturing.org.uk has been completely refreshed.

After listening to the views of industry, we have redesigned the website to be more user friendly with the information set out in a more logical way. The change is quite dramatic in its look, style and layout.

The website is now set out to aid people who want to do specific tasks such as learn about remanufacturing and its benefits, or find out how to remanufacture or where to buy remanufactured products. Most of the downloadable content is now available without having to log in, making it easier for people to learn about remanufacturing. The news section now contains an RSS feed delivering the latest remanufacturing news straight to your desktop.

This is only the start of the make over! We will be adding more content on remanufacturing, creating interactive tools, redesigning our interactive map and providing more information on our activities. Please [visit](#) regularly or subscribe to our newsletter to keep up to date.

You can contact the **Centre for Remanufacturing & Reuse** directly by either using the remanufacturing hotline **01296 337165** or e-mailing info@remanufacturing.org.uk.

Living in the 80s: a mobile phone in a briefcase

Last year the CRR sponsored a feasibility study into repurposing mobile phones. The outcome of that study can be found on our [website](#). The project was very successful resulting in several different prototype applications being developed, but the demonstration models produced couldn't be moved around easily to show potential partners. With this in mind, the CRR has co-funded the original collaborators (AxR) to build a robust repurposed mobile phone in a briefcase. This way a repurposed mobile phone can be transported to potential investors and collaborators. The hope is that seeing the repurposed device in action will create enough excitement within industry to result in full commercialisation of the idea. If you would like to know more about repurposing mobile phones please [contact us](#).

Product study: Wind Turbines

We've just completed an analysis of an emerging sector in the UK, wind turbines. Although there's not much reman activity at present, the projected growth in the availability of these highly-engineered items suggests a rich opportunity for greater activity in the future. Older turbines are becoming available from Danish, German and Spanish farms as installations are reaching the end of their first life or are being re-wheeled (replaced by larger, more powerful modern units). With suitable renovation they could be cascaded into private and community projects. Our report examines the potential. Please [contact us](#) if you would like more information.

Corporatewear

The aim of this project is to improve the reuse and recycling options for corporate wear through practical research and the development of supporting resources. We are pleased to announce that all five projects are now up and running and these are being undertaken by a core team of Sally Cowan Ltd, DeMontfort University, University of Manchester and Clare Hussey. The wider project consortium, which includes suppliers, manufacturers, end-users and textile recyclers, will continue to be consulted in order to draw upon its expertise and opinions. The key output will be an online resource which, as well as showcasing examples of Best Practice, will also feature a searchable database of peer-approved companies and a Guidance Document for purchasers and specifiers of corporate wear. This will be launched at the Clothing and Workwear Show at the NEC on the 1st & 2nd April 2009. For more information on the project please [contact us](#).

Purchasing

The CRR provides support to purchasers in two key areas - Buying and Disposal: After consulting the Sustainable Procurement team at the NHS Purchasing and Supply Agency (PASA) and at the Association of University Procurement Officers (AUPO), we are now working closely with them to produce two sector specific Guidance Documents for the Healthcare and Higher Education sectors. These documents will give an overview of the benefits of purchasing remanufactured and reused products, what to look for a product and how to dispose of end-of-service products to the reuse market. For more information please [contact us](#).

Building a remanufacturing future

The CRR recently attended an event in Guildford organised by SEEDA to discuss the development of a Building Material Reuse Centre. This SEEDA sponsored event follows directly from a business plan developed through the Centre's feasibility study fund from 2007. The report from this study can be found on our [website](#). The meeting was used to develop a plan to attract European funding to enable the setup of these centres. For more information please [contact us](#).

Reman live on the net

In June we were asked by the Open University to take part in a podcast for students on the business degree course. The session – about 30 minutes in total, was part of the reverse logistics model, but ranged further than that. The module will be “published” shortly, ostensibly for the benefits of OU students, but actually available to the whole world. It will also be free on the iTunes academic resources page. We’ll update you with a link so you can listen yourself or send it to your friends. For more information about courses and training materials please [contact us](#).

Resource Efficient Remanufacturing Project – partners required

Industrial partners are needed for a project to be undertaken by Dr. Qing Wang of Durham University School of Engineering and Professor David Stockton from the Centre for Manufacturing, De Montfort University. The project aims to provide a significant increase in the level of decision-support provided during the remanufacturing planning process that facilitates step improvements in the resource efficiency, lead time and throughput. It will also develop methods for generating estimates of the work content for individual cores. Further information is available on our [website](#) or through [contacting](#) Dr Qing Wang.

Test and Inspection Techniques for Remanufacturing Seminar

Given that the service history of a product is often an unknown quantity during its first life, the effectiveness of inspection techniques at the point of remanufacture is all the more critical for ensuring its integrity prior to re-application. For this reason, the CRR is organising a FREE, one-day technical seminar designed to showcase various inspection techniques and to demonstrate how they can be applied to remanufacturing activity. The event will take place at the TWI Technical Centre in the Advanced Manufacturing Park, Rotherham, on 26th September. It will include presentations from academia, remanufacturing practitioners and providers of inspection equipment and services. If you are interested in attending as either a delegate or presenter please [contact us](#).

Enhanced Capital Allowances

The Enhanced Capital Allowance (ECA) scheme was introduced as an incentive for companies to invest in energy efficient technologies, thus reducing their energy consumption. The ECA scheme encourages businesses to invest in energy-saving plant or machinery specified on the Energy Technology List (ETL) for accelerated tax relief. The CRR has been working to extend the ECA scheme into remanufactured equipment to promote reuse alongside other EoL options. We have identified products in the ECA scheme that have a remanufactured equivalent and then looked at the market scale and potential as well as carbon benefits. The CRR will take this information to HM Treasury, which is responsible for these issues, to start a dialogue. If you are interested in this area of work and would like to find out more, please [let us know](#).

Carbon impact of remanufactured products

The CRR has worked on a number of product groups to establish the evidence base for remanufacturing. These include aircraft, ATMs, automotive, carpet tiles, construction equipment, electronics, food equipment, inkjet cartridges, machine tools, office furniture, photocopiers, pumps, fans and compressors, rail (traction and rolling stock), tooling, vending machines and washing machines. We will be demonstrating the CO₂ impact of remanufacturing over disposal or just plain recycling on these product groups. We’ve done this for tyres, cartridges, bricks and engines so far. If you are interested in this work and would like to be involved then please [let us know](#).

BAE Systems secures \$538 million contract for US army

BAE Systems has secured a \$538 million U.S. Army contract to remanufacture Bradley vehicles and provide spare parts, with options for additional vehicle remanufacturing and spares. Under the initial contract, BAE Systems will remanufacture 160 M2A3 vehicles, 60 M3A3 vehicles and 32 M3A3 Bradley Fire Support Team Vehicles in conjunction with the Red River Army Depot through a public private partnership. [Read more:](#)

IBM recognized for its green recycling and remanufacturing practices

IBM Global Asset Recovery Services, the IT equipment renewal and recycling arm of IBM, was recognized by leading IT analyst firm IDC as one of the first recipients of its Green Recycling and Asset Disposal for the Enterprise (G. R.A. D.E.) certification. [Read more:](#)

USA - first Northstar locomotive completed

The first Northstar commuter rail locomotive to come off the production line took it's first trip earlier this month. The locomotives have remanufactured engine blocks, which saves US\$1 million per cab. [Read more:](#)

Acquisition expands ArvinMeritor's global remanufacturing operations

ARM has announced that it has entered into an agreement to acquire Trucktechnic, a major remanufacturer and distributor of commercial vehicle disc and foundation brakes and components, based in Liege, Belgium. [Read more:](#)

G8 summit statement on climate change and environment

This recent statement supports WTO action on remanufactured goods. [Read more:](#)

Qatar - GE Oil and Gas establishes service centre

GE Oil and Gas has established a service centre in Qatar's Ras Laffan Support Services Zone. The centre will support both emerging markets and the fast growing refinery industry in the region, with application expertise ranging from petrochemical services to LNG. It will also provide customers with the first GE re-manufacturing capabilities for compressors in the Middle East. [Read more:](#)

US navy employees win engineering awards for remanufacturing innovation

Four Port Hueneme Division, Naval Surface Warfare Center employees have been awarded Department of Defense Value Engineering Achievement Awards for their innovations that have collectively saved the Navy more than \$5.3 million. [Read more:](#)

ATC Technology Corporation Announces European Expansion

ATC Technology Corporation (ATC) announced that it is establishing a new engine remanufacturing facility in the Czech Republic to better serve its European-based and global Drivetrain customers. [Read more:](#)

USA - VSE opens new centre of excellence

VSE Corporation recently held a ribbon cutting ceremony for a new \$6.2 million state-of-the-art military vehicle and equipment refurbishment center in Ladysmith, Virginia, USA. [Read more:](#)

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