



# Update

## March 2008

Welcome to the seventh 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.

Read our **CENTRE NEWS** for the latest progress in the promotion of remanufacturing and other reuse options. Keep up to date by reading our **INDUSTRY NEWS**.

**GET INVOLVED** with remanufacturing by reading about the opportunities to participate in projects currently being carried out at the Centre.

Further information on the items below, many other current reports and news items, and back issues of the newsletter can also be found on our [website](#).

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

### End of Year Report

We are fast approaching the end of the current funding year, the first of full-blown activity for the CRR. Continued support by Defra for CRR's work is to a large extent decided based on measurable benefits to industrial practitioners such as yourselves. Our last newsletter for the year therefore ends with a plea: We need to know if you have had or anticipate any benefits from our actions or outputs. No need to send us any complicated forms: Please just reply to this email saying "OK" and with a telephone number and we will follow up by phone or email at a more convenient time. Thanks for your support so far.

Having said that, the year's not over yet. Find below a section of activities recently signed off, and things in the pipeline that you can still get involved with.

### Centre for Remanufacturing and Reuse - Second Stakeholder Conference

Representatives from government, academia and industry took part in the very successful stakeholder conference held by the CRR on Tuesday 22<sup>nd</sup> January 2008 at Broadway House, London. A full report on the day's events is available on our [website](#). For those unable to attend the presentations are also available to download by following [this link](#).

### Remanufacture Course @ Cranfield

Delivery of our remanufacturing course to MSc students on the 'Innovation and Design for Sustainability' programme at Cranfield University took place on the 12<sup>th</sup> and 14<sup>th</sup> February. Creating a university course on remanufacturing has been an element of our long-term plan endorsed at the last stakeholder meeting. We are now developing a suite of supporting materials for those who would like to implement design for remanufacturing in their course content; find out more [here](#).

### Product Group Studies – medical devices

Remanufacturing programmes for large medical imaging equipment have been developed by several of the market leading OEMs. The market for refurbished and remanufactured medical devices is well developed in the USA and is developing in some EU countries. Currently the UK does not buy any remanufactured medical devices, so potentially there is a large opportunity here. A more detailed report on the remanufacture of medical devices may be downloaded from our [website](#).

### Remanufacturing Decision Tool

The CRR has distributed the early version of the decision tool to interested parties and also demonstrated it at our Stakeholder event held in London on 22<sup>nd</sup> of January 2008. The tool has been very well received and plenty of feedback has been provided so far. On the basis of the feedback the Centre has upgraded and renamed the decision tool as "Remanufacturing Opportunity Tool, ReOpT" to reflect its use for remanufacturing opportunity assessment within an organisation. The tool is distributed by the CRR free of charge. You can obtain your copy by [emailing us](#).

### Welcome- Simon Walton

Oakdene Hollins would like to welcome Simon Walton as a new member of the technical consultancy team within the CRR. Simon has long-standing experience with the conception, design, manufacture and supply of production machinery and systems and, as such, has been included in the team to further the Centre's aim to become more interactive at the front line with one-to-one support for remanufacturers.

"I am delighted to be joining a team of dedicated professionals involved in such important work" says Simon who will initially be responsible for the progression of the retread tyre wear trials and support for our programme to create standards for remanufacturing.

### Surface Technologies for Remanufacturing Engineering Components

A one-day free **seminar** is to be held by the **CRR** in conjunction with the Department of Metallurgy & Materials, University of Birmingham on **Friday 7<sup>th</sup> March 2008**. The seminar will showcase leading industrial practice and the latest technologies and concepts from universities and industry. We have lined up speakers from Sifco, Laser Cladding Technology Ltd., BAE Systems, University of Birmingham and University of Leeds. There is more information about the seminar and the full programme on our [website](#). There will also be a visit to the related facilities within the Department of Metallurgy & Materials including the laser laboratory for direct manufacturing and remanufacturing of components, plasma surface engineering laboratory, nano-indentation laboratory and brush plating laboratory. There are couple of places still available for this event. To book your place please drop us an [email](#) with your dietary requirements. For those of you who are unable to attend there will be a report on the day in our next newsletter.

### Brochures & Publicity

The promotional brochure will be available on the [remanufacturing.org](#) website at the end of March. This will include information for purchasers of office equipment products, a selection of companies and organisations offering remanufactured / reused office products in the UK and contact details for those wishing to purchase from them. Thanks to all the companies who have provided information for this; we hope that it will help to increase awareness of the availability of remanufactured and reused products in this sector.

### Remanufacturing Course – Film Clips & Demonstration Products

To enhance our presentations at universities and colleges, and give a richer picture of remanufacturing and reuse we are seeking donations of film clips and demonstration products from remanufacturing companies.

If you have any **promotional film clips** (in a format suitable for use in PowerPoint) which detail your company's remanufacturing / reuse activities and you would be happy for us to use them in our educational courses, please [contact us](#) with a brief outline of the film clip(s) that you have available.

We are also looking for donations of **demonstration remanufactured products** that we can take along for use in 'hands-on' activities. The purpose of this activity is to get the students to analyse a product, using a checklist of strategies, to assess which design for remanufacturing / reuse strategies have been applied in each instance. Again, if you have any products (they do not have to be in brand new condition) that you would like to donate please [contact us](#) with a short description of the product.

It would also be useful to know the actual strategies that have been applied in each example; any case studies that you have available would also be appreciated as follow up reading for the students after they have conducted the exercise.

### Retread Tyre Trial

The **CRR** holds the view that the use of retreaded tyres can yield significant economic and environmental benefits but that user perceptions regarding their quality compared to newly supplied items may be stifling their uptake.

Accordingly, the **CRR** are currently driving forward proposals for a trial aimed at comparing the relative wear rates of retreads and their equivalent new tyres as fitted to light commercial vehicles (LCVs).

In order to ensure the significance of the results, the initial proposal is for the trials to include the testing of tyres from various manufacturers, fitted to vehicles from a number of different fleets over the lifetime of the units.

If you are a manufacturer or end user of LCV retread tyres and would like to get involved in these trials, please do not hesitate to [contact us](#).

**Uniross launch PR campaign in UK to promote rechargeable batteries**

Uniross, European leader in rechargeable batteries, has announced the results of the world's first independent study that compares the environmental impact of disposable batteries with rechargeable batteries. [Read more:](#)

**Sourcing obsolete components manufacture**

An automotive engines and gearboxes remanufacturer uses the Web to find suppliers for obsolete components and for the hundreds of complex components. [Read more:](#)

**Australia - Fuji Xerox innovation makes business and environmental sense**

Eco-manufacturing efforts result in recycling and reuse of over 99% of resources from end-of-life products gathered across the Asia-Pacific region. [Read more:](#)

**Material flows of mobile phones and accessories in Nigeria: Environmental implications and sound end-of-life management**

The phenomenal progress in information technology in Nigeria has resulted in the generation of large quantities of electronic waste (e-waste) in the country. A paper has been produced which presents an overview of the developments in the Nigerian Telecom sector, the material in-flow of mobile phones, and the implications of the management practices for wastes from the Telecom sector in the country. [Read more:](#)

**Remanufacturing can make economic sense & protect the environment**

Enterprises of all sizes are increasingly taking part in the "go green" movement. Besides seeking ways to reduce data centre power consumption, adopting more environmentally sound practices for equipment disposal is one way IT admins can play their part. [Read more:](#)

**Competitive strategy in remanufacturing and the impact of take-back laws**

A paper has been published which examines the impact of take-back laws within a manufacturer/ remanufacturer competitive framework. Take-back laws require that firms take responsibility for the collection/disposal costs of their products. [Read more](#)

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