

Design for Remanufacture

case studies and workshop on
business and product impacts

19 March 2009



Agenda

09.30 – 10.00 Arrival and registration

10.00 – 10.40 Introduction from Event Organisers

Jenni Rosser (Envirowise) David Parker (CRR) (10 minutes each including an overview of remanufacturing/design for remanufacturing, and what each organisation offers in terms of support)

10.40 – 11.10 (A) Business design (i.e. business models to support and incentives product remanufacture and reuse globally)

Edwards Vacuum

10.10 – 11.30 (B) Design for remanufacture and reuse (i.e. key strategies to consider when designing products for a second or extended life – design for disassembly, etc)

Wax RDC

11.30 – 12.00 (C) Independent remanufacturing view (challenges and opportunities)

Bond Group

12.00 – 12.15 Q&A session/refreshments

12.15 – 12.45 Credit Crunch: Turning threats to opportunities through eco-design of products

Leigh Holloway, Envirowise adviser

12.45 – 13.30 Lunch and networking

13.30 – 14.00 (D) In-house or outsourcing? (i.e. product remanufacturing as an in-house process, using 3rd party contractors or leaving it to the independents – issues of quality control, performance, brand image)

Sony Corporate Entertainment Europe (SCEE)

14.00 – 15.15 Interactive Workshop

Hosted by Dr Andrew King

4 groups themed A-D as per sessions

Delegates split into four groups and spend 15 minutes in each group moving from A-D discussing various aspects of product remanufacturing & reuse

Followed by Group Feedback

Hosted by Dr Andrew King

Input from Envirowise and CRR panel

Q - How can SMEs embrace ecodesign/remanufacturing strategies

15.30 – 15.45 Closing Remarks from Event Organisers

Jenni Rosser (Envirowise) David Parker (CRR)



Who we are

Government Business Support

BERR **Defra** TSB

Business Resource Efficiency



Stimulate the appropriate uptake of remanufactured and reused products

www.remanufacturing.org.uk

Carbon Trust
Energy Savings Trust
WRAP
NISP
Envirowise
CRR
Action Sustainability
MTP



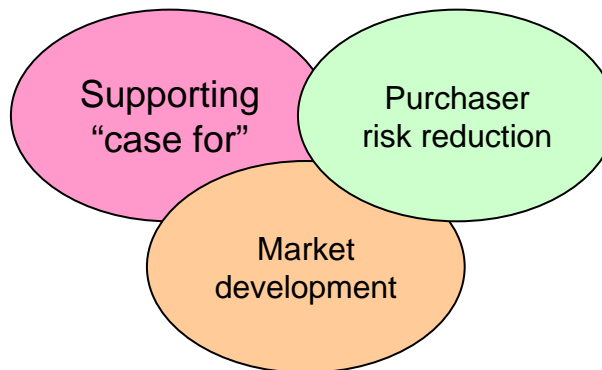
Advice and support for manufacturing resource efficiency improvement inc. product design
www.envirowise.gov.uk

More info on delivery bodies



About the CRR

- Carbon impacts
- Case/market studies
- Evaluation tools
- News-feed/web



- Standards for reuse
- Purchaser specs

- Feasibility funding
- Concept development
- Sector collaboration

CRR contacts

- David.parker@remanufacturing.org.uk
- www.remanufacturing.org.uk
- Hotline 01296 337165

Quick-links:

About CRR, mission, vision etc: <http://tinyurl.com/ccpspk>

Newsletters: <http://tinyurl.com/ctrf9u>

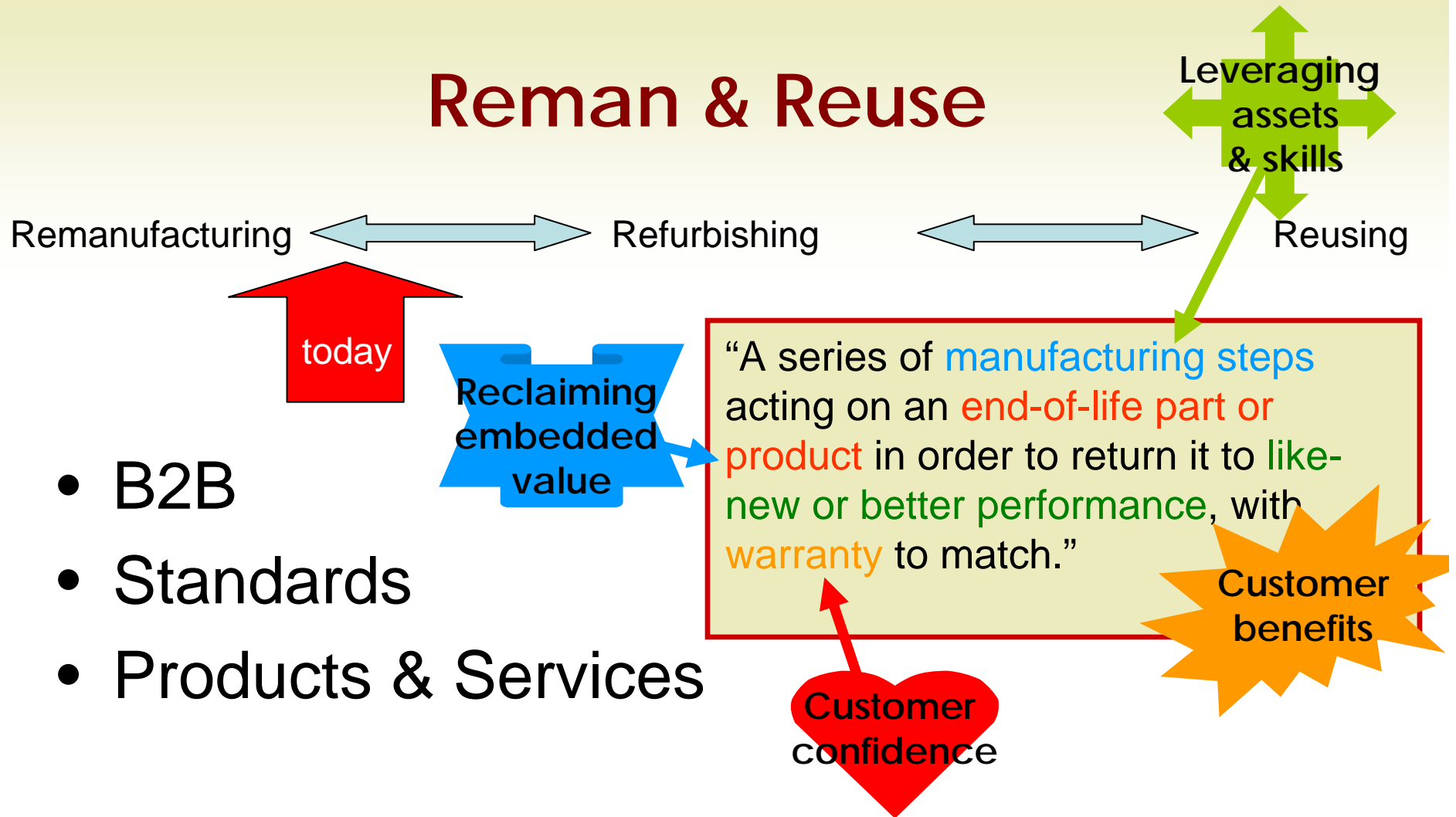
Interactive map of remanufacturers <http://tinyurl.com/dlkr27>

Reman decision tool to evaluate opportunities <http://tinyurl.com/c9pvxd>

(last two require registration and login)



Reman & Reuse



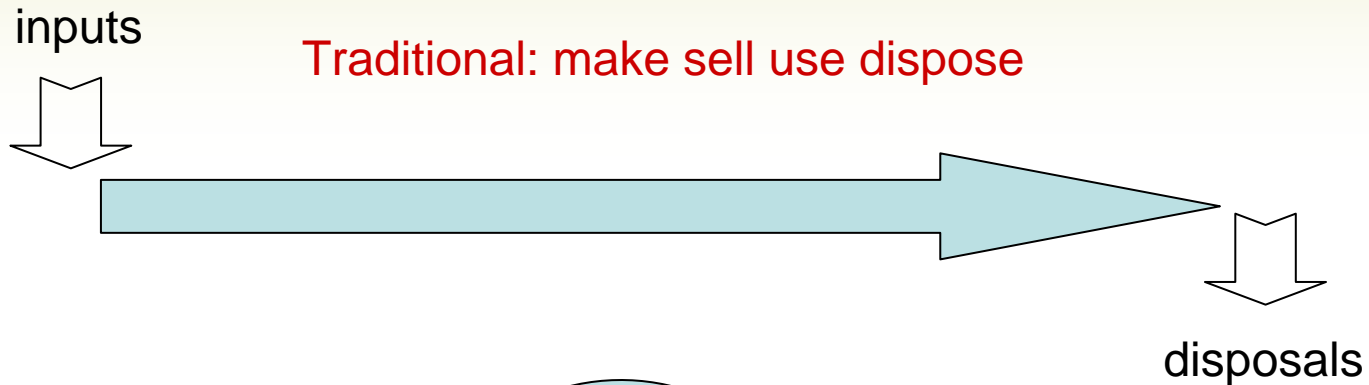
Why reuse?

- Customer demand
- Input cost control
- Supply security

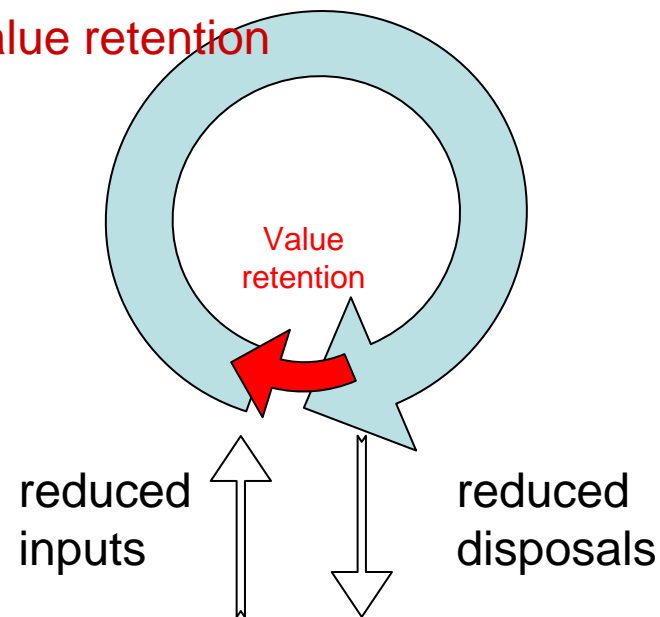
Net effect

- Profit ↑
- Customer ties ↑
- Manufacturing footprint ↓
- = risk reduction

Changing business



New: close loop for value retention

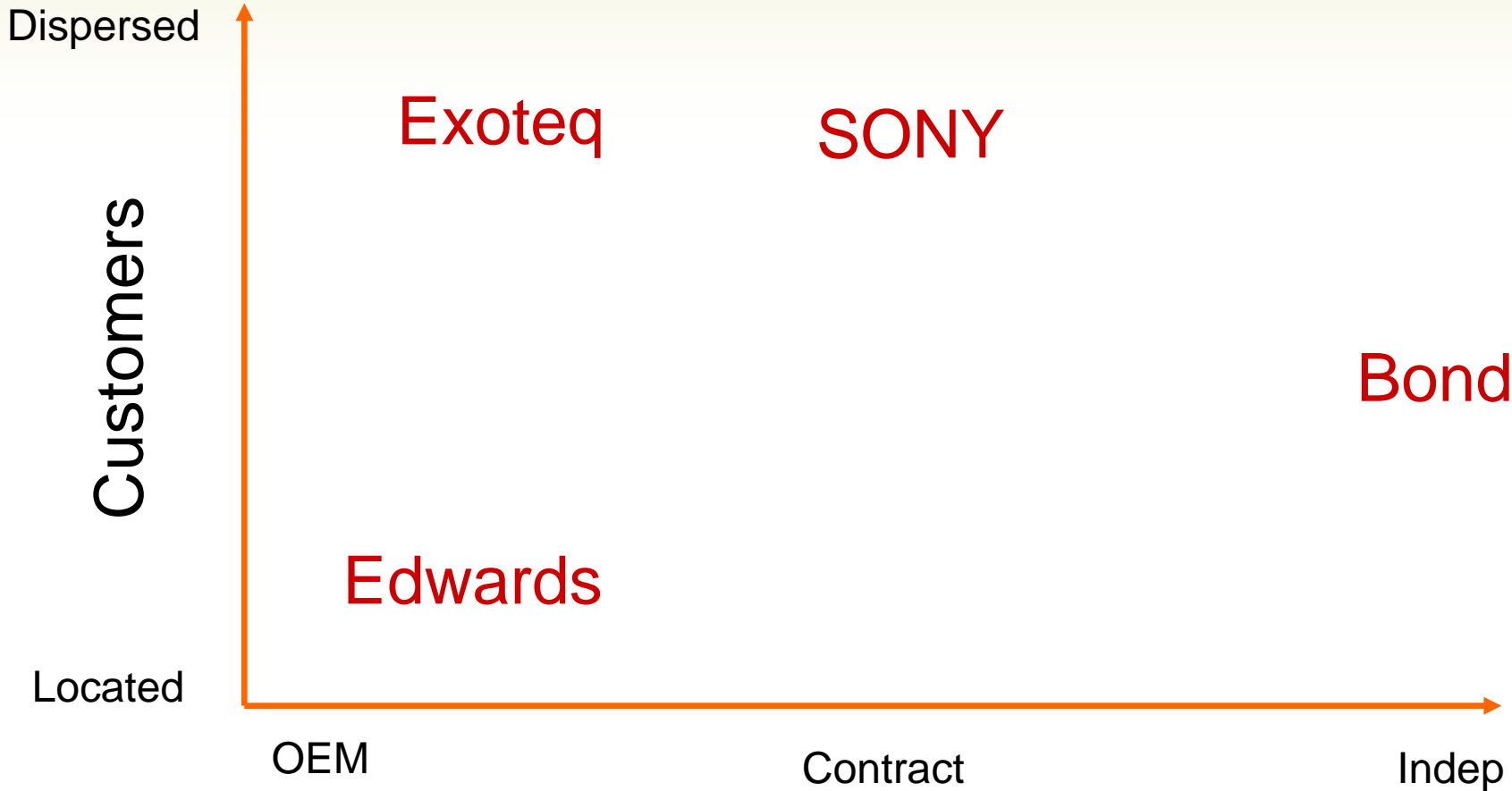


Challenge: design a business model and product that “bends the ends”

Perspectives

Orientation	OEMs	Contract Agents	Independents		
Model	Sell/exchange	Lease/maintain	Supply/operate		
Recovery	In-situ	Dealership	Deposit/return	Collectors	Post-back
Customers	Single, located				Diverse, diffuse
Mode	Product-oriented				Component-oriented

Case studies



Orientation



Defra delivery agents



Promotion of low carbon technology development and uptake by industry



Promotion of purchase and use of efficient energy-using products by consumers and industry



Promotion of materials recycling (largely post-consumer)



Promotion of industrial waste materials exchange



Promotion of manufacturing efficiency/ecodesign



Promotion of product remanufacture and reuse



Promotion of sustainable purchasing

Market Transformation Programme

Voluntary sector agreements on energy-using products

