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Project (G1RT-CT-2002-05066) funded by the European Community under GROWTH programme

Project Partners:

www.elima.org

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INNOVATION & ADVANCED ROBOTICS

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Merloni Elettrodomestici UK

MOTOROLA

ReUse®

Sat

Sheffield Hallam University

SONY

product life cycle technology - results and implications for business strategy

Reporting on the costs and benefits of product information management systems

February 23, 2005

Vienna, Austria

Austrian Society for Systems Engineering and Automation
Multi Life Cycle Center Vienna
Albert Schweitzer-Gasse 11, A - 1140 Vienna

Why was ELIMA started?

Since 1990, environmental topics have grown in importance on the legal agenda of European as well as national governments. The results are current or proposed directives on WEEE (Waste from Electrical and Electronic Equipment), RoHS (Reduction of Hazardous Substances), REACH (Registration, Evaluation, and Authorization of Chemicals), EuP (Energy using Products), … It is very difficult for industry to fulfil all these future obligations at reasonable cost without having control of product information during all stages of the product life cycle.

What is ELIMA about?

A consortium of industrial companies and research institutions have developed technologies for **E**nvironmental **L**ife Cycle **I**nformation **Ma**nagement within the ELIMA project (funded by the European Commission 2002-5).

The principle behind ELIMA is that the manufacturer of a product should have data available on all stages of the product life cycle. This includes static data that are being acquired at the manufacturing stage (e.g. bill of materials, embodied energy, ...) as well as dynamic data collected from sensors that are active throughout the product's life (e.g. logistics data, energy use, hours of operation, …). The ELIMA information management system has been extensively tested in field trials and its effectiveness and reliability has been proven. We can now report on the feasibility, costs and potential benefits of the technology, as well as its market acceptance and sustainability

Why should you attend?

Using the ELIMA system, products can be optimized according to the user behaviour, the design can be improved in order to reduce the materials used and to fulfil recycling requirements laid down in the WEEE directive. See how technologies like GSM, RFID and databases can meet your business objectives and environmental management targets!
During the workshop the basic results of the research project will be presented and the technologies demonstrated. We will give you an idea of the potential of ELIMA in many industrial sectors. ELIMA can also be used in the development or implementation of product/service systems; examples of these are security systems, extended warranties, maintenance and upgrade services.
You will be able to meet the project partners and discuss how this system will fit into your business strategies.
See you in Vienna!

Tim Cock   Matthew Simon   Bernd Kopacek

Agenda

Wednesday, February 23, 2005, Multi Life Cycle Center Vienna

10.00   Welcome and Introduction to the broader scope of ELIMA (WEEE, RoHS, EuP, …), B. Kopacek, SAT, AT

10.30   Introduction to the ELIMA project, M. Simon, Sheffield Hallam University, UK

10.50   Demonstration of the software tools – product life cycle information management system, SK Chong, De Montfort University, UK

11.10   Results of the Sony PlayStation II field trial (incl. demo), K. Bodenhöfer, Sony, DE

11.30   Results of the Merloni refrigerator field trial (incl. demo), T. Cock, Merloni, UK

11.50   Re-use/Recycling Factory of the Future (incl. tour), A. Müller & B. Kopacek, ReUse, AT

13.00   Lunch

14.00   Sustainability assessment incl. user issues, L. Allman, Sheffield Hallam University, UK

14.20   Policy implications and the future, K. Müller, Motorola, DE

14.40   How can producers, logistic providers, retailers and recyclers benefit from the ELIMA project in the future?

- alternative use of ELIMA hardware, Cybernetix, FR

- added-value for producers, A. Schneider, Sony, DE

- the way to the Re-use/Recycling Factory of the Future, B. Kopacek, ReUse, AT

16.00   Questions and open discussion on future ELIMA applications

17:00   End of meeting

ELIMA Workshop

February 23, 2005
Vienna, Austria

Please fill in and FAX to   +43/1-786 46 03-99

Name, First Name

Company

Street Address

ZIP / City   *Country / State*

Phone   *Fax*

Email Address

I will attend

☐   the Workshop on Wednesday, February 23, 2005

Fees:

The attendance to the workshop is free.

Registration deadline: February 4, 2005!

Date, Signature _____