

For further information please contact:



Austrian Society for Systems Engineering and Automation
A – 1140 Vienna, Albert Schweitzer-Gasse 11
Phone: +43-1-786 46 03
Fax: +43-1-786 46 03-99
Email: sat@ihrt.tuwien.ac.at
Homepage: www.ihrt.tuwien.ac.at/sat

The ReLCD Project

Innovative and sustainable recycling strategies for Liquid-Crystal-Displays

Project Partners:



March 07, 2006

Vienna, Austria

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

Why was ReLCD started?

Liquid Crystal Displays (LCD's) are widely used in notebooks, organizers, mobile phones, pocket calculators, measuring and control instruments, electronic games, hand-held miniature TVs, audio/video equipment, large signboards, automotive displays and increasingly more for PC monitors and TVs. According to a study from Stanford Resources (San Jose, California), the annual value of LCD products reached 35 billion EUR in 2002, about 30% of this within the European Union, representing a total area of 2.1 million square metres in Liquid Crystal Displays.

An annual increase rate of about 15% is estimated for the next years up to 4.1 million square metres in 2005. Hence innovative **Re-Use** and **Recycling** models for Liquid Cristal Displays (ReLCD) are needed urgently!

You will also benefit from the ReLCD project!

The information given at the workshop will affect a broad spectrum and therefore you will benefit in case of participation.

Employment: Creation of new jobs. It will do so by facilitating the creation of new and strengthening of existing enterprises in the field of LCD recycling and re- use; by accelerating the transfer and the dissemination of the RTD results; by upgrading employers' skills through customised training programmes, etc.

Environment: Better protection of the environment. Eco-efficient LCD re-use and recycling will reduce dramatically their overall environmental impact

Health: Improved health of the EU's citizens. Restricting and avoiding the use of hazardous substances, processing of hazardous waste, reducing contamination of soil, air and water resources by organic and inorganic pollutants, will all improve the life-support systems of mankind.

Internal market: Development and expansion of the Single Market. As the economics of LCD re-use and recycling depend on the largest possible market, ReLCD will promote such processes that will be economically profitable in the internal market and beyond.

See you in Vienna!

Bernd Kopacek and the ReLCD-group

Agenda

Wednesday, March 07, 2006, Multi Life Cycle Center Vienna

- 10.00 Welcome and Introduction to the broader scope of ReLCD (Market, CRT vs. LCD ...) B. Kopacek, STENA Technoworld, AT
- 10.30 Testing-tools for LCD's (presentation & demonstration), Z. Istvan, BayLogi, HU
- 11.30 Possible ways for the separation of backlight lamps, S. Steiner, SAT, AT
- 12.00 Lunch at the MLC²V (incl. short tour)
- 13.15 Material recovery of LCD's (Video-Demonstration), S. Arnaiz, GAIKER, ES
- 14.00 Guidelines for sustainable LCD design, J. Chiodo, Active Disassembly Ltd., UK
- 14.45 Questions and open discussion on future ReLCD applications
- 15.30 Closing Remarks and end of meeting