

Co-operative Procurement of Innovative Copiers

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- 4) **Project status:** Completed (01.01.1995 - 31.12.1998)

- 5) **Organizational unit:** Departement Management, Technologie und Ökonomie, Rutherford, Thomas F., , LZ=03797

- 6) **Project leader(s):**
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- 8) **External researcher(s):** no entry

- 9) **Funding source(s):**
 - Others
 - Public institutions (e. g. federal offices)

- 10) **Partner organizations:**

BRE - The Building Research Establishment, Garston, WD25 9XX, Watford , Switzerland, Tel 01923 664000, enquiries@bre.co.uk,

www.bre.co.uk

KEMCO Korea , Gyeonggi, Korea, South,

www.kemco.or.kr

LBNL - Lawrence Berkeley National Lab, 1 Cyclotron Road Mail Stop ..., CA 94720, Berkeley, United States, Tel 510-486-4000 ,

www.lbl.gov

Motiva - The Energy Information Centre for Energy Efficiency and Renewable Energy Sources - Finland, -, Finland,

http://www.motiva.fi/

NOVEM - The Netherlands Agency for Energy and the Environment, Sittard, Netherlands,

http://www.novem.nl/

oebu - Swiss Association for Environmentally Conscious Management, Obstgartenstrasse 28, 8035, Zurich, Switzerland, Tel +41 1 364 37 38, Fax +41 1 364 37 11 ,

www.oebu.ch

STEM - Swedish National Energy Administration, SE-631 04, Eskilstuna, Sweden,

http://www.stem.se/

US EPA - Environmental Protection Agency, 1200 Pennsylvania Ave, NW (MC 6202J), DC 20460 , Washington, United States, Tel 202-343-9190, webmasters.cpd@epa.gov,

www.epa.gov

11) Short Summary: A procurement project for innovative energy-efficient and environment-friendly copiers is managed. Co-operative procurement refers to the activity of a group of buyers that jointly assesses, determines and publicises certain requirements for new products, test products, and purchase products.

12) Keywords: Economics, Engineering Sciences, Environmental Sciences

13) Project description:

On invitation of the International Energy Agency (IEA), we assumed from 1995 to 1997 the management for a procurement project for innovative energy efficient and environmentally friendly copiers. Co-operative procurement refers to the activity of a group of buyers who jointly assess, determine and publicise the requirements for new products, test products and purchase products using the defined requirements.

The goal of the "copier project" is to test and demonstrate the feasibility of a procurement activity at an international level in the field of standardised products with new buyer groups from the office sector. If successful, technology procurement could become a powerful instrument to promote energy efficiency in other fields of consumer items as well.

We have defined a strategy accepted by the participating countries: Finland, The Netherlands, Korea, Sweden, UK and USA. On our initiative, a copier working group - composed of important copier purchasers, representatives of copier manufacturers and institutions - was organised by

oebu, the Swiss Association for Environmentally Conscious Management. As a first step a declaration sheet for energy and environmentally relevant data of current copiers was developed. In a second step, requirements for the innovative copier, originally concentrated on the ZESM-concept (zero energy standby mode) and on paper saving features, were extended to other ecologically relevant aspects. Four important companies from the banking, insurance and retail sector agreed to be the first "Leading Buyers", which means that the company declares in public that they will explicitly consider the innovative copier in future purchasing activities. oebu itself and the Services Section of the Energy 2000 Program agreed to act as "Supporter", of the procurement project. Similar activities happened in the other participating countries. Selected copier manufacturers were involved since the beginning of the project and in 1996 the global copier industry participated in a meeting to discuss the specifications of the next-generation copier. In order to ensure the longer term funding of the project, the project management was handed over to the US-EPA (Environmental Protection Agency) in autumn 1997.

The tender for the Innovative Copier was launched in September 1998. The Competition Documentation was published on the Internet. Two manufacturers succeeded in fulfilling the requirements. In November 1999 the International Energy Agency (IEA) presented Ricoh Company, Ltd., with its first "Copier of the Future" award <http://dsm.iea.org/exexpres/awards.htm> at COMDEX/Fall 99 in Las Vegas and in September 2000 IEA recognised Canon Inc. with the second "Copier of the Future" award at Canon Expo 2000 in New York. Since summer 2001 these two copier models are available on the European market.

14) Popular description: no entry

15) Graphics: no entry

16) Publications:

- Aebischer B. 1997. Co-operative Procurement of Innovative Copiers.. Proceedings of the ECEEE (European Council for an Energy-Efficient Economy) Summer Study 1997 "Sustainable Energy Opportunities for a Greater Europe. The Energy Efficiency Challenge". , ADEME, Paris.

- Aebischer B. 1998. Internationally Coordinated Procurement of Innovative Copiers., Project Management 1995-1997. Slightly updated Final Report Addressed to the Swiss Financial Supporters. CEPE, ETH Zürich.

- Harris J., B. Aebischer et al. 1994. Developing Markets for Energy Efficient Copiers., Workshop issue Paper at the Conference on Market-Pull Activities and Cooperative Procurement of Innovative Technologies organised by the International Energy Agencies. International Energy Agency, Paris.

17) Links to important web pages: no entry