

ACRONYM		MOND	
TITLE ACCOMPANYING MEASURE ON CRITICAL TECHNOLOGY SELECTION AND CONFERENCE FOR RENEWABLE ENERGY RECOVERY FROM BIOMASS GENERATED WITHIN THE EUROPEAN LEATHER SECTOR			
Project N°:		NN5-2001-00632	
R+D Program / Type:		Energie	
Starting Date: 1st DECEMBER 2002		Final Date: 30th NOVEMBER 2004	Duration: 24 MONTHS
Prime Proposer: BLC Leather Technology Centre LTD (UK)		Coordinator: BLC Leather Technology Centre LTD (UK)	
RTD's Performers: Rovesta Milja I/S (DK); Elkede Technology and design Centre S.A (GR), AIICA (S)		Other Partners: ---	
OBJECTIVES:			
<p>The aim of this accompanying measure is as 2 year techno-economic study leading to a Conference as a dissemination platform for the facilitation and implementation, of renewable energy technology selection for subsequent EU based exploitation within the EU leather sector. Within the European leather sector selection criterion of renewable energy technology is random, and Renewable Energy Systems (RES) technology uptake is in its infancy.</p> <p>The leather industry is a prime target for renewable energy technology transfer, being one of the few sectors where decentralised RES technology can be easily applied as each tannery site produces more waste biomass than leather product. In energy terms, more energy is disposed of within this waste biomass, than energy consumed in manufacture of leather products. This project is essential to overcome technical and non technical barriers, culminating in a selection process for best practice and workshop / conference and interactive web site establishment for dissemination.</p>			
DESCRIPTION of the WORK:			
<p>The work plan will be conducted by technology transfer organizations directly involved in the target sector. The project will be delivered by carrying out six workpackages. These workpackages operating both in a logical sequence of data gathering, then subsequent decision making and evaluation, will ultimately lead to the conference and publication of proceedings where the results of the project will be delivered.</p> <p>The initial studies concentrate upon selection of technologies (e.g. gasification – pyrolysis which are beginning to be applied in the target sector) based on a "specific decision criterion process" considering the strategic intentions of the "Energie" programme and specific key action, based on economic, energy efficient, logistic and "safe" grounds for suitable selection.</p> <p>WP 1. Techno-economic selection identification of gasification or thermal technologies for energy recovery from biomass from leather and associated industries</p> <p>WP 2. Identification of needs and demands for energy recovery from the leather and leathers goods sector, non technical barrier identification</p> <p>WP 3. Technology comparison and application review – energy recovery efficiency MATRIX & Quantifiable Criteria</p> <p>WP 4. Efficiency of energy use and potential for reduction in energy (in accordance with EC BREF documents)</p> <p>WP 5. Conduct international Conference / Workshop – Efficient Energy Recovery within the leather</p>			



industry

WP 6. WWW Dissemination to global leather industry

Expected results.

The outcome of the project is a transfer of information for selection and implementation of RES allowing an industrial sector to achieve sustainable energy self-sufficiency, thereby eliminating the currently poor practices of wasteful and environmentally harmful, as well as economically disadvantageous, disposal. The consortium will derive no direct benefit via exploitation of the results of the project and application of renewable energy technology into the target sector. However, the technology providers will directly benefit through direct access to the end users ("the demand"). The end users will, therefore, also benefit, by reductions in operating costs, reduced environmental impact and improved employees' health & safety through reduced waste production and reduced energy consumption.

In the short term, a new technology market opportunity within the EU target sector will be opened up. European tanners have a demand to reduce operational costs in the light of international competition and as such will express strong demand for RES. The EU technology providers can fill this market gap. Thus the facilitation role of the accompanying measure proposed directly contributes to not only strategic impact of RES adoption, but creates a new market for implementation of RES for the technology providers.

In the longer term it is believed that this EU based and applied technology can / will be transferred globally, within the global leather sector, providing technology market opportunities for EU based technology providers. Both these long and short-term activities are encompassed within the project and are expected to provide benefits to both the target and supplier sectors.