

# CATALOGUE OF TECHNOLOGY OPPORTUNITIES **RICICLA 2002**

## Innovation, Research and Environment

Transnational Technology Transfer Opportunity for SMEs

Rimini - 7 - 8 November 2002 / Rimini Fair - Via Emilia, 155





**RICICLA**  
Fiera internazionale del recupero di materiali  
ed energia e delle sostenibilità ambientali

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ITALIAN RELAY CENTRE NORTH EAST

## RICICLA2002 Transnational Technology Transfer Days

### Company Data

Country	Italy (IT)
Organisation Type	Service Sector
Organisation Size	<10
Collaboration Sought	Joint venture agreement
IRC Contacted	IRC South Italy - IRIDE

### Technology Data

Partner Search (PS)	Reference	<b>PS-IT-071</b>
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Title	RECIInert PROGRAM
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**Description** The activity of Programma RECIInert consists in the gathering, transport, recovery and recycling of inert wastes, that is of materials belonging to Typology 7 (ceramic wastes and inerts) of D.M. 5/2/98, originating from demolition and digging activities. An accurate management of all gathering, recovery and manufacturing stages, in obedience to environmental regulations (Decreto Legislativo 5/2/97 n° 22, so-called "Decreto Ronchi"), including the placement on the market of the recovered product designated as Ri-inert (recycled inert), allows to Programma RECIInert to develop to the best this interesting as well as new sector involving important environmental aspects.

Gathering and transport take place with the help of containers placed on the wastes' production site, with Big Bags (1 mc) and with appropriate lorries. All said in conformity with Decreto Legislativo 5/2/97, n° 22 (Decreto Ronchi).

Storage of materials takes place in Recovery Centres, duly authorized, managed directly or through local operators according a Partnership.

The recovery, after selection and separation of inappropriate materials (iron, plastics, wood, etc.) takes place with the help of a mobile fragmentation and size reduction plant fitted with a dust abatement device and an electromagnetic separator for the iron removal capable of a high production level.

Using Programma RECIInert now is possible to reduce the disposal in landfill, to recover inert wastes in materials suitable to re-use and to fend off urbane degradation. The priority objective is to operate so that the activity brings the smallest possible impact on environment, respecting the principles of environmental protection.

Programma RECIInert has been also selected for the awarding of Premio Nazionale all'Innovazione Amica dell'Ambiente (National Award for Environmental-Friendly Innovation) ed. 2001, promoted by LEGAMBIENTE and Milan Polytechnic, receiving protestations of merit

### Innovative Aspects

Materials' gathering takes place principally through the use of Big Bags (1 mc) and containers placed on wastes' production site. Gathered materials are stocked in Recovery Centres and subjected to separation and fragmentation. The use of a mobile selection and fragmentation plant limits considerably the investment necessary to produce the Recovery Centres and the environmental impact, and increase the simplicity of realization.



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### Main Advantages

Advantages are of environmental and economic kind. The easiness of gathering and transport consents the elimination from a given area of environmental damaging materials that otherwise would fuel urban degradation. It is possible to use materials originating from demolition at a more favourable cost for user companies in place of natural materials originating from mining, thus limiting also extraction.

Keywords	Recycling, Recovery
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Development Stage	Already on the market
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Intellectual Property Rights	Copyright(s) registered
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