

The rational use of energy

(beginning with No. 1, July 1981...)

PRESENTATION

This information note is the first in a series which the Commission of the European Communities intends to send out every quarter in two languages (French and English) through its usual distribution channels to the various parties interested in the Community programmes for the rational use of energy.

The Community efforts to ensure that the results of its programmes in this field are exploited can be successful only if potential users are informed of the results and can benefit from them.

In future, the Commission will try to disseminate through these notes the maximum amount of information about the Community activities concerning demonstration projects in the field of energy saving and exploitation of new energy sources, the progress made and the results obtained in the hope that such information will find as large a public as possible.

The first note is devoted to Community demonstration projects in the field of energy saving.

1. Demonstration projects in the field of energy saving

In June 1978 the Council of the European Communities adopted Regulation (EEC) n° 1303/78 on the granting of financial support for demonstration projects in the field of energy saving. These projects must be related to the creation of installations making full-scale use of new equipment, processes or products enabling significant quantities of energy to be saved.

2. Council Regulation (EEC) n° 1303/78 also states that :

- Under the conditions laid down in this Regulation, the Community may grant financial support for Community demonstration projects as defined in Article 2 of this Regulation which involve a significant improvement in the efficiency in which energy is used;
- A Community demonstration project shall be related to the creation of installations making full-scale use of new equipment, processes or products enabling significant quantities of energy to be saved. The project shall apply a new technique, process or product, or make use of a new application of techniques, processes or products already known. A list of possible fields of application is given in the Annex to the Regulation ;
- A Community demonstration project must satisfy the following conditions :
 - the project must be capable of encouraging other installations of the same type in the Community and have real prospects of commercial use;
 - in view of the risks of large investments involved in such activities, finance for the demonstration of potentially viable projects is not forthcoming in a satisfactory manner.
- Support for a project may take the form of a Community

financial contribution to the project, repayable under certain conditions, from the appropriations provided for this purpose in the general budget of the European Communities and taking into account any financial aid for the project received or expected from Community, national or other sources as well as the share of the risk that should be born directly by those responsible for the project;

- Such support may in general be not less than 25% and not more than 49% of the total cost of the project. The level of support shall be determined for each project individually and with due regard to any other aid received or expected.
- Every project submitted for consideration by individuals or undertakings in the Community further to a call for the submission of projects published in the Official Journal of the European Communities shall be examined by the Commission on the basis of the following information to be provided by the applicants :
 - a detailed description of the project, including the organization of its administration, and the energy savings which might be obtained;
 - the time-scale for carrying out the project;
 - the financial situation and technical capabilities of the person or persons responsible for the project;
 - the nature and extent of the technical and economic risks of the project;
 - the cost of the project, its economic viability and the financing arrangements proposed;
 - the extent to which the relevant experience obtained may encourage widespread introduction of the technique, process or product in the Community; the prospects of widespread application of the technique, process or product and the benefits thereby obtainable for the economy as a whole;

- whether the project has received financial assistance at an earlier stage of research and development by the Community or by Member States;
- details of any other financial support for the project provided for by, or expected from, Member States or the Community;
- any other information which can justify the Community support requested;
- how it is proposed to publicize the results of the demonstration.

— The Commission shall decide whether to grant or refuse

support for such projects after consulting the Advisory Committee on the Management of Demonstration Projects, composed of representatives of the Member States. The Commission's decision shall be communicated to the Council and to the Member States forthwith and shall apply upon expiry of a period of 20 working days if, during that period, no Member State has referred the matter to the Council. At the request of a Member State the Council shall rule on the Commission Decision, acting unanimously in the case of the first set of projects and by a qualified majority in the case of subsequent projects.

3. List of Sectors

Regulation N° 1303/78 also contains, as a guide, a list of the possible fields of application, which is reproduced here: it is not exhaustive and does not affect priorities.

1. Buildings

- 1.1. New materials or new applications of existing materials for the thermal insulation of new or existing buildings.
- 1.2. Methods of resolving problems linked with efficient thermal insulation, such as ventilation, condensation, thermal inertia, vapour formation, fire and safety rules, etc.
- 1.3. More effective methods for the heating and air conditioning of premises and for the production of domestic hot water, such as heat pumps having new technical characteristics which can improve their competitiveness and reliability, the small-scale use of solar collectors and improvements in conventional systems making for significant energy savings.
- 1.4. Methods of reducing ventilation needs, e.g. in industry or hospitals.

2. Supply and use of process heat and of electricity in industry

- 2.1. Improved efficiency in the production and utilization of process heat and of electricity in industry, e.g. through enhanced performance and greater reliability of installations.
- 2.2. Recovery and recycling of residual heat, either as heat or for

the combined production of heat and power, in the same installation or elsewhere, e.g. by improving heat exchangers, through the use of high-power and/or high-temperature heat pumps, through the use of new heat storage methods.

- 2.3. Demonstration of new industrial processes with equivalent functions but smaller energy requirements.
- 2.4. Method of using waste or low-heat fuels for the supply of heat and/or power to industry.

3. Energy industry

- 3.1. More efficient methods for the combined production of heat and power for collective use, e.g. improved performances, improved plant reliability, demonstration of large-scale storage, demonstration of long-distance heating networks.
- 3.2. Methods of using waste materials, residual heat or low-heat fuels for collective use, e.g. the use of residual heat of large industrial complexes or conventional power stations, use of domestic or agricultural waste as fuels, demonstration of very large heat pumps (in the region of 5 MW or more).

4. Transport

- 4.1. Methods of increasing the energy yield of engines and motor vehicles without reducing performance.
- 4.2. Methods of increasing the attraction of public transport, e.g. control systems, user information systems, etc.

4. Selected projects

After the first two calls for projects had been published in July 1978 and September 1979 respectively, the Commission selected 113 projects, the Community financial support for which totalled about 45 m EUA; the total investment required to establish these projects over the next 5 years amounted to about 165.1 m EUA.

The projects selected cover a wide range of industries and make use of very different processes.

The following list gives a brief description, in each technological sector, of the projects for which the Commission has concluded or will conclude a contract, as well as the names and the addresses of the recipients.

Buildings

Demonstration of 53 houses and flats each representing new types of construction, advanced methods of insulation and heating systems based on non-oil consuming techniques (EE/323/79).

Skive Kommune
Østergade 29
DK - 7800 SKIVE

In a medium-size office building the lighting equipment will be replaced by (or modified to) a system which will consume considerably less energy than the equipment in use now. (EE/215/79).

N.V. Nederlandse Gasunie
Laan Corpus den Hoorn 102
NL - GRONINGEN

Recreation centre, including swimming pools at Darlington. Recirculation of swimming pool hall air with prior sterilization of pool water by ozonisation. Heat recovery (EE/238/79).

Darlington Borough Council
Town Hall, Darlington
UK - Co DURHAM DL 1 5 QN

Electric heat pumps (air-air) for 20 houses with gas (LPG) as additional heat source during cold weather periods (EE/038/79).

Société Phenix
58/60, avenue de la Grande
Armée
F - 75008 PARIS

Energy efficient homes. The demonstration of costs and benefits of energy saving techniques in the type of houses currently built in Ireland (EE/049/79).

Electricity Supply Board
27, LR, Fitzwilliam St.
IRL - DUBLIN 2

The construction of private homes whose sanitary water and space heating is provided for the greatest part by calories recovered from waste air extracted from the rooms by means of high integration between the heating system and the architectural design (EE/290/79).

Compagnie Générale d'Electricité
54, rue de la Boétie
F - 75008 PARIS

Demonstration project concerning the application of energy saving measures in 17 one family houses (EE/068/79).

Stichtingen Bouwcentrum
en Ratiobouw
Weena 700, NL - ROTTERDAM

Low energy hospital demonstration project (EE/079/80).

Department of Health
and Social Security
UK - LONDON NW 1 3DN

Telephonic control of monitoring of energy consumption in buildings. Surveillance of 20 schools and office buildings (EE/131/80).

T.R. Freeman Ltd.
UK - CAMBRIDGE

Continuous and selective recovery of hydrocarbon films on the surface of water, reducing evaporation losses (EE/125/80).

Société Nationale Elf Aquitaine
7, rue Nélaton
F-75739 PARIS Cedex 15

System to recover gaseous hydrocarbons presently lost to the atmosphere when filling road tankers (EE/129/80).

AGIP-PETROLI
Via Laurentina 449
I-00142 ROMA

Improved part load capacity control of screw compressors by a two-speed drive system (EE/167/80).

Compair Industrial Ltd.
UK - High Wycombe Bucks

Rotating cooler using external blown air. Experiments with clinker furnace of 350 t/day capacity (EE/171/80).

Creusot Loire Entreprises
F-92400 COURBEVOIE

Utilization of waste heat from a reduction process in the form of high pressure steam (EE/224/80).

Solmine S.p.A.
Via di S. Teresa, 23
I-00198 ROMA

Fluidized beds

Combustion of waste acid tars to save energy and avoid environmental pollution. Circulating fluidized bed plant for the in-line combustion of waste acid tars, and to generate process steam from a new design of boiler (EE/022/79).

Deborah Fluidised Combustion Ltd.
UK-DURHAM

Energy recuperation from the combined treatment of domestic refuse sewage (EE/160/79).

ESMIL International B.V.,
NL-AMERSFOORT

Tyre Pyrolysis for fuel production (EE/235/79).

Batchelor Robinson & Co. Ltd.,
Kennedy Tower
St Chad's Queensway
UK - BIRMINGHAM B4 6EG

Mine gas burning facility. Install Mine gas burning facility on a water tube, boiler in addition to existing natural gas and heavy oil burners (EE/244/79).

Joseph Crosfield & Sons Ltd.,
UK - WARRINGTON

Fluidized bed combustion applied to a boiler originally designed to burn oil, for combined generation of heat and power (EE/016/80).

British Sugar Co Ltd.,
P.O. Box 26
UK - PETERBOROUGH

Combustion of carboniferous shale in a fluidized bed (EE/027/80).

Metallurgie Hoboken
B-2710 HOBOKEN

Fluidized bed for the „Hazelaar Calcium Bricks“ brickworks (EE/126/80).

Calcium Silicate Brickfactory
B.V.
Saefelderstraat, 10
NL-6104 RA KONINGS-
BOSCH-
LIMBURG

Fluidized bed boiler for fuels of low calorific value, producing electric power steam; capacity 30 kW/h and steam at 60 bar (EE/190/80).

Breda Termomeccanica S.p.A.
I-MILANO

Fluidized bed for treatment of metals (EE/203/80).

Fulmer Research Institute Ltd.,
UK - SLOUGH SL2 4QD

Direct hardening of metals in a fluidized bed using waste heat (EE/228/80).

Italtractor S.p.A.
I-CASTELVETRO (Modena)

Installation of a gas-fired furnace (EE/287/80).

Sage und Holzbearbeitungswerk
D - 7166 SULBACH-LAUFEN 2

Power plants

Demonstration of an energy conserving flue gas desulphurization system for power plants 75 MWe - demonstration plant with reheating of flue gases after SO₂-scrubbing and drying of by-product without foreign heat, no liquid and solid wastes, by-product directly usable as fertilizer (EE/118/79).

Fa. Walther & Cie AG
Postfach 850380
D - 5000 KÖLN 80

Use of waste heat from thermoelectric and nuclear power stations to increase agricultural crop yields, use of small areas of agricultural land as an alternative way of discharging heat (EE/278/79).

ENEL
Via C.B. Martini 3
I - ROMA

Biogas

The production of methane gas by means of anaerobic digestion of farm animal waste. To make different design of anaerobic digesters on farm scale with special attention to the building costs and the lay-out of the installations (EE/285/79).

I.M.A.G.
Mansholtlaan 10-12
Postbus 43
NL - 6700 AA WAGENINGEN

Demonstration centre for farm units testing techniques for anaerobic fermentation of animal, vegetable and human liquid manure to form biogas, fertilizers and proteins (EE/142/80).

E.B.I.A. Coop
I-20123 MILANO

Agriculture

Utilization of reject heat for outdoor horticultural crops. Stichting „Proefstation voor de Akkerbouw en de Groenteteelt in de Vollegrond“ — (P.A.G.V.), Lelystad. Appropriate utilization of reject heat and reduction of thermal pollution. Making longer (advancement and retarding) of the harvest periods (EE/209/79).

Proefstation voor de Akkerbouw en de Groenteteelt in de Volle grond
Edelhertweg 1
NL - LELYSTAD

Energy conservation in fodder drying by means of an evaporator using waste heat (EE/002/80).

Brian Frank Fraser Smith
Aylescott Driers Burrington
UK - UMBERLEIGH,
North Devon

Transport

Electronic optimization of ignition and combustion functions, of petrol fuelled automobile engines during engine warm-up (vehicle utilization for short trips). Fuel savings by the automatization of certain controls and commands of ignition and combustion of petrol fuelled automobile engines during the engine warming-up period. Study on 4 test vehicles, representing the automotive market (EE/262/79).

Thomson-CSF
101, bld Murat
F - 75016 PARIS

Combined heat/power plant to feed a district heating network on an industrial estate, based on incineration of domestic waste (EE/003/80).

Azienda Municipalizzata Igiene Urbana del Comune di MODENA I-MODENA

Recovery of waste heat from the steel industry for a district heating network at Charleroi. Construction of a heat exchanger in the steelworks and connection to the existing Charleroi grid (EE/030/80).

Société de Développement Régional pour la Wallonie (SDRW)
Rue Grafé, 5
B-5000 NAMUR

Integrated energy production on the basis of waste and lasting energy sources (EE/260/80).

Skive-Egnens Energiforsyning I/S
DK-7800 SKIVE

Combined generation of heat and power for domestic and industrial use. Installation of a back-pressure turbine fed by an existing industrial boiler and construction of a district heating grid (EE/100/80).

Società Pneumatici Pirelli S.p.A.
P. zale Cadorna, 5
I-MILANO

Combined unit generating electric power and process steam. Gas generator, coupled to an alternator and steam compressor, to produce 31% electric power and 48% industrial steam (EE/156/80).

Maschinenfabrik Augsburg Nürnberg A.G.
D-8900 AUGSBURG

Heating of a section of Rouen with industrial waste heat. Recovery of waste heat from a sulphuric acid plant which is piped to heat 15.000 dwellings (EE/163/80).

Spie Batignolles S.A.
F-92806 PUTEAUX

Use of a mini hydraulic power station to supply heat to a hotel by means of heat pumps. Space heating and domestic hot water using 3 heat pumps whose evaporators are immersed in the intake of the power station (EE/043/80).

Spach & Fils S.A.
La Cloquette
(Commune de la Broque)
F-67570 ROTHAU

Industry

New Urea Synthesis Process with double isobaric recycle, at high conversion (I.D.R. Process). New process making use in sequence of the stripping action of the NH_3 and CO_2 reagents and obtaining a high conversion and an easy recycling of the unreacted matters (EE/274/79).

Montedison S.p.A.
P. zza della Repubblica 14-16
I-MILANO

Installation of water-liquid fuel diffuser on a series of plants having a significant typology and capacity in order to obtain fuel atomization. Installation and test runs of a new water-liquid fuel diffuser on 50 existing boilers. (EE/281/79).

Jacorossi S.p.A.
Via Ostiense 333,
I-ROMA (Italia)

Installation and control of new high-efficiency boilers (of the type: Blueflam Breda system 91) of different power levels and under various operating conditions (EE/231/79).

O.T.B. Officine Termotechniche,
Breda,
I-BARI

Control of energy consumption. Energy conservation and control of energy consumption by routine monitoring (EE/133/79).

The Shirley Institute, Didbury,
UK-MANCHESTER

High efficiency Induction Heater. High efficiency induction heater for various billets using a multi-layer winding (EE/147/79).

The Electricity Council
30 Millbank,
UK-LONDON SW1P 4RD

Installation of a new waste gases aspiration system on an electrical UHP type furnace for special steel. Decrease of waste gasen flow rate aspirated from the reef of the furnace and installation of a cowl on the furnace to monitor the waste gases (EE/251/79).

TEKSID S.p.A.
Corso Mortara 7,
I-TORINO

Plastics recycling. Plastification process for recycling plastic product wastes recovered by selective collection (EE/192/79).

S.R.D.W.
Rue Grafé, 5
B-5000 NAMUR

Heat recovery by heat pipes on milk spray dryers (EE/008/79).

Carberry Milk Products Ltd.
IRL-BALLINEEN, Cork

Recuperation of energy in a cloth colouring installation. Recuperation of cooling water heat and of condensed steam by modification of the circuits (EE/016/79).

Lanerossi S.p.A.
I-SCHIO (Vi)

Hot blast booster system for cupolus. Complete use of the heat potential in the stock gas by addition of a cross flow heat exchanger rising the hot blast temperature to 750°C (instead of 580°C in present plants) (EE/100/79).

Bradley & Forster Ltd.
UK-DARLASTON

Counter-flow furnace for the recycling of silica glass. Trials with a furnace with an output of 85 t/day (EE/246/80).

AKZO Chemie B.V.
NL-3800 AE AMERSFOORT

Continuous smelting and refining of impure non-ferrous metals, in particular for the manufacture of copper anodes (EE/251/80).

Norddeutsche Affinerie A.G.
D-2000 HAMBURG - 36

Manufacture of combustibles from waste (EE/020/80).

Greater Manchester Council
UK-MANCHESTER, MGO 3HT

Recovery, storage, distribution and utilization of gas produced in the USINOR steelworks at Dunkirk (EE/074/80).

Usinor
F-75426 PARIS Cedex 09

Recovery of energy from paint drying vats. Utilization of the calorific value of paint solvent in a burner, incineration of hydrocarbons, and waste heat exchangers (EE/077/80).

British Steel Corporation
UK-LONDON SW1X 7G

Gas converter with gas recuperation in the Maximilianshütte works at Sulzbach-Rosenberg (EE/270/80).

Eisenwerk-Gesellschaft
Maximilianshütte
D-8450 SALZBACH - ROSENBERG

Baking of bricks in a coal-fired kiln. Substitution of coal for fuel oil to yield energy savings of 60% (EE/001/80).

Gebrüder Lohlein K.G.
Ziegelwerke
D-7118 KUNZELSAU GARNBERG

Utilisation of exhaust gas from n° 4 blast furnace stoves (EE/014/80).

Hoogovens Ijmuiden B.V.
NL-1970 CA IJMUIDEN

Replacement of a lime kiln burner. Replacement of central burner by a system supplying air mixed with fuel through 3 ring distributors (EE/094/80).

Sauerlandische Kalkindustrie GmbH
D-5790 BRILON
3-MESSINGHAUSEN

Reverse osmosis on skimmed milk. Energy savings by using reverse osmosis instead of vacuum evaporation (EE/008/80).

Cooperatieve Zuivelfabriek en Melkinrichting « De Eendracht » W.A.
NL-HELMOND

Assisted compressor system using helium to heat and air condition a commercial building at Udine, Viale Palmanova (EE/201/80).

Emporio Ricambi Industriali S.p.A.
I-33100 UDINE

Demonstration of controlled space heating by a modified Trombe's Solar wall (EE/250/80).

University of Leeds
UK - LEEDS LS2 9JT

Low energy houses as integrated systems — Lawrie Park Road — London. Integrating various energy saving measures for space heating at little or no extra cost. Processor controlled monitoring system (EE/290/80).

South London Consortium for Local Authority Research and Development
125 Camberwell Road
UK - LONDON SE5 0H8

Demonstration of 200 high efficiency gas boilers in 4 Member States (EE/021/80).

Tricentrol BV
Kleine Krogt 3, NL - BREDA

Heat pumps

Use of exergetic energy from the reduction in pressure of natural gas from the supply pressure (50 bars) to the operation pressure (2.5 bars) in a glass factory. Use of double expansion in a four cylinder gas-expansion engine (EE/314/79).

Fa. Hermann Heye
Postfach 1220
D - 3063 OBERNKIRCHEN

Diesel engine powered screw compressor heat pump. Production of 520 KW of heat at 60°C for heating of workshops and office buildings (EE/046/79).

Maschinenfabrik
Augsburg-Nürnberg AG
Dachauer Strasse 667
D - 8000 MÜNCHEN 50

Recuperation of energy from an electrical collective dish washer machine by heat pump. Use of the heat for heating the washing and cleaning water of the machine and of the washing room (EE/301/79).

Ets Bonnet S.A.
BP n° 422, 117, rue Grenette
F - 69653 VILLEFRANCHE
s/Saône

Heat pump for room heating. Use of a gas compression heat pump for the heating of the new district house building in Warendorf (EE/035/79).

Kreis Warendorf,
D - WARENDORF

"De nieuwe Weerdjes" — phase C. The application of heat pumps for room heating utilizing water from the Rhine river (EE/178/79).

Stichting « De Nieuwe Weerdjes »
Weerdjesstraat 70
NL - 6811 JE ARNHEM

High temperature heat pump. Installation of energy recovery and revalorization equipment with high temperature heat pump on the exhaust of a thermomechanical paper pulp manufacturing unit (EE/193/79).

Beghin Say S.A.
F - 62112 CORBEHEM

Demonstration of a gas engine driven heat pump installation at Nuffield College with the main Oxford sewer as a heat source (EE/015/80).

Nuffield College
UK - OXFORD

Two stage gas-compression heat pumps for the production of hot water (90°C) from air (-5°C) for heating and cooling of an industry hall (EE/176/80).

Balcke-Durr A.G.
D - 4030 RATINGEN 1

Heat pump with absorbing heat exchangers (outer walls, roof, façade). Electric air/water heat pump using large surface area heat exchangers in combination with a standard boiler for space heating (EE/205/80).

Energietechnik G.m.b.h.
D - 4300 ESSEI 18

Heat pump project for IONA Cathedral with sea water as heat source (EE/210/80).

Conservateurs, Cathédrale d'Iona
UK - EDINBURGH EH2 3LX

Highly-insulated, low energy apartment buildings in brick construction heated by a gas motor driven heat pump (EE/213/80).

European Heat Pump Consultants Ltd.
DK - 2920 CHARLOTTENLUND

Demonstration of the application of multistage heat pumps to recovery of waste heat whose availability is out of phase with demand, by taking the "copper" used in breweries as an example (EE/282/80).

Atkins Research and Development - Epsom
Parkside House
Ashley Road
UK - EPSOM SURREY

Combined production and district heating

Straw firing plant. Heat from the straw firing plant will be fed into a district heating system, replacing heat produced in oil fired boilers (EE/121/79).

Svendborg Kommune
Radhuset
DK - 5700 SVENDBORG

Thermos. Demonstration on the Saclay plateau of a 50 MW nuclear reactor for district heating (1st phase) (EE/120/79).

Commissariat à l'Energie Atomique
F - SACLAY

Saar District Heating Line. Stadtwerke Saarbrücken A.G., Saarbrücken. Extension of the Saar district heating line from the Völklingen area to Saarbrücken (EE/217/79).

Stadtwerke Saarbrücken
Hohenzollernstrasse 104-106
D - 6600 SAARBRÜCKEN

Remote control of thermoregulators of substations connected to the urban district heating network. Use of thermal inertia of some big heat consumers as a storage for the production by means of the connection of the remote controls of 25 consumers to the instrumentation room of the district heating network of Brescia (EE/330/79).

Azienda Servizi Municipalizzati
Via Lamarmora 230
I - BRESCIA

"RETE" Reggio Emilia Total Energy. Combined heat production with 4-5 diesel engines of 860 kW each, firing natural gas or fuel oil, for the supply of heat and electricity for a new apartment area (EE/028/79).

Consorzio Intercomunale Gas-Acqua
Via Castinelli, 12
I-42100 REGGIO EMILIA

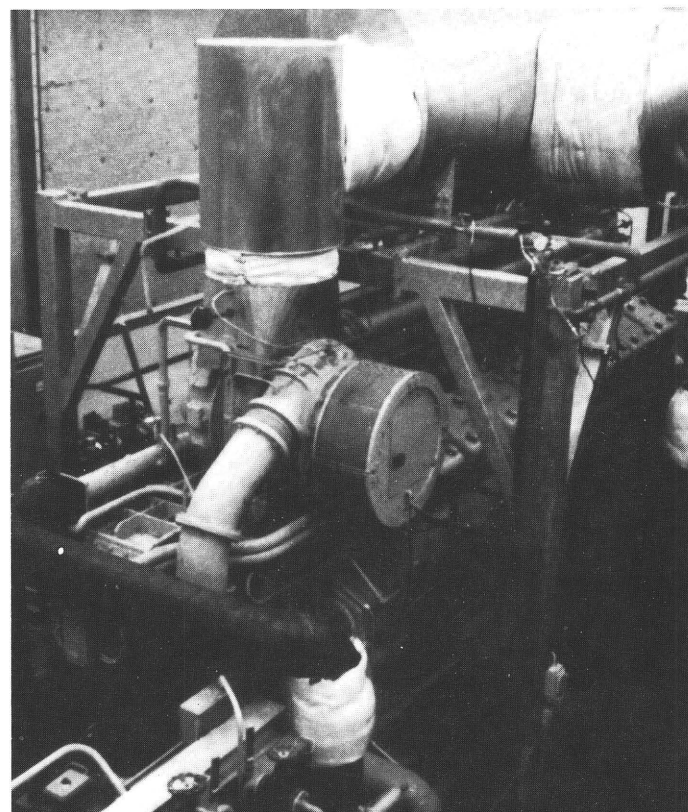
Combined heat and power production with dual-fired Diesel engines (3 x 565 kW). Total energy system, production of electricity and process heat with mixed gas-oil fired Diesel engines (EE/065/79).

SAVIEM
8, Quai Léon Blum
F - 92156 SURESNES Cedex

Diesel driven heat pump. Demonstration of large diesel driven heat pump for district heating (EE/174/79).

Burmeister + Wain AS
Torvegade 2
DK - 1449 KØBENHAVN

PHOTO (see below)



Use of electric vehicles. Tests on five electric vehicles in the fleet of a public company (EE/085/80).

Ødense Elforsyning
Klosterbakken 2
DK- ØDENSE C

Demonstration of energy savings from using electrically-driven commercial vehicles in public transport. Tests on 20 FIAT 900 T vehicles, second generation (EE/130/80).

Centro Ricerche FIAT
Strada Torino 50
I-ORBASSANO (TO)

Demonstration of modern electric road vehicle technology in urban fleet operation and its impact on the use of premium liquid transport fuels (EE/161/80).

Electricity Supply Board
IRL - DUBLIN 2

Utilization of the modular engine with intermittent electronic injection over a fleet of vehicles used in urban traffic (taxis). Tests on 10 vehicles - utilization of 2 out of 4 cylinders in partial load (EE/178/80).

Alfa Romeo S.p.A.
I-MILANO

PHOTO (see below)



Others

Installation of a solar-based system for air conditioning, heating and sanitary requirements at a service station with restaurant, with supplementary energy supply from a TOTEM biogas system (EE/017/80).

Total Italiana S.p.A.
Viale Restelli, 5
I-20124 MILANO

Storage of heat in a closed aquifer reservoir. Seasonal storage of heat from a waste incineration plant, for later use in heating buildings, sited at Plaisir in France (EE/066/80).

Commissariat à l'Energie
Atomique
CEA, Centre d'Etudes Nu-
cléaires
de Saclay
F-91190 GIF-SUR-YVETTE

5. The third call for the submission of projects

Pursant to Council Regulation (EEC) n° 1303/78, the Commission published in the Official Journal of the European Communities (C 10 of 15 January 1981) a third call for projects, concerning the granting of financial support for demonstration projects in the field of energy saving.

The deadline set was 30 April 1981. So far the Commission has received about 360 proposals for demonstration projects in the energy-saving sectors reproduced under 3.

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For more information write to Commission of the European Communities
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