



Co-operation profile details from Enterprise Europe SEIMED

TRGR20131007002 - Heat pump for production of hot water, heating and cooling. Technology collaboration REQUEST

Abstract

A Greek SME is in the process of constructing a new agro-tourism complex in Crete. The complex will constitute of traditional stone houses as well as space for recreational activities. The company is looking for suppliers and/or manufacturers of an innovative heat pump that apart from the heating and cooling solutions, can produce hot water to the complex. The company is looking for a commercial agreement with technical assistance.

Description

A Greek SME is in the process of constructing a new agro-tourism complex in the region of Crete. The complex will include 3 individual stone houses in the primary phase) with many recreational activities (eco-activities).

The company is looking for an innovative heat pump system that apart from the heating and cooling solution to the complex should provide hot water for domestic use. The pump must be capable for use during the winter for heating and during the summer for cooling. The temperature range of operability should be between -7 and 60 degrees Celsius. Domestic hot water should reach 60 degrees Celsius.

The solution must be easy to implement and not too expensive. The desired heat pumps should use refrigerants complying with the provisions of EU Directive 2037:2000. It should be CE marked in accordance with the relevant EU Directives where applicable, e.g. machinery safety, low voltage, pressure equipment, electromagnetic compatibility.

Target partner expertise sought:

- Type of partner sought: Technical Specifications:
- Heat pump that combines cooling, heating and production of hot water for domestic use
- Operability temperature range: -7 to +60 degrees Celcius
- Domestic hot water production to 60 degrees Celcius

An accredited manufacturer or a trained and approved installer specialist shall be employed for the design, dimensioning, supply, delivery, setting-out, installation, testing, commissioning and balancing of the heat pump and heating system (by others) comprise generally, the following:

- Supply of air-source heat pump with any ancillary couplings and component parts.
 - Supply of buffer tanks (when or if required)
 - Supply of hot-water cylinders (when or if required)
 - Setting out of heat pump system
 - Installation of heat pump system
 - Connection of supply or supervision of connection of electrical supply (by others)
 - Connection to or supervision of connection to heating system (by others) and controls.
 - Testing and commissioning within defined scope of works.
 - Balancing of system in conjunction with heating contractor.
- Specific area of activity of the partner: An accredited manufacturer or a trained and approved installer specialist for the design, dimensioning, supply, delivery, setting-out, installation, testing, commissioning and balancing of the heat pump.

Key information:

Country of origin: GREECE

Listed under: Construcción \ Energía

Profile created on: 07/10/2013

Last updated: 08/10/2013

Closing date: 08/10/2014

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