

Thinking for Tomorrow

Renewable Habitats Ltd. is a start-up established by **Projects in Motion Ltd.** (www.pim.com.mt), in collaboration with **Engineria Ltd.** (www.engineria.com), focused on renewable energy concepts and available technology. The cluster's combined expertise and knowledge base provides a highly-effective and focused model for the delivery of consulting services and project management.

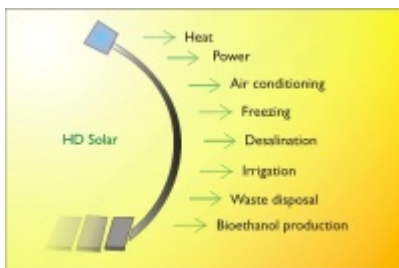
Bringing our knowledge and experience to bear in important key technologies such as engineering, sustainable energy and information communications technologies; we assist our clients in translating their green ideas into action, helping them to make their projects a success by using renewable technology for sustainable development.

Our objectives in the renewable energies sector are to:

- increase the knowledge of the need for sustainable development ;
- develop an intelligent energy use awareness;
- reduce energy requirements through local initiatives;
- reduction of energy wastes;
- participating or managing in collaborative projects with distributed resources, which cover innovative issues related to renewables through transnational cooperation or directed towards capacity building for R&D and policy.
- maximising the benefits arising from EU Community initiatives and Programmes for manufacturing and service industries, local authorities, development agencies, community groups and all other relevant players in the Region.

OUR TECHNOLOGY SOLUTIONS

We have established an installation and maintenance agreement with **HelioDynamics** (www.heliodynamics.com), based in Cambridge, UK. HD has produced **the first commercial solar CHP (combined heat & power) system**, the HD7.c, as well as the only low-cost medium temperature heat generator, HD7.t.



HD7.c is for organisations which use both power and heat, and provides a cost-cutting alternative to conventional solar solutions and great potential for sustainable economic improvement in less developed countries.

A thermal-only system, the HD7.t **delivers heat at temperatures up to 160 C**. This substantially exceeds the temperature of conventional solar thermal systems and positions the HD7t as a unique system to provide medium-grade heat for both industrial and commercial use. It is particularly suited to driving more efficient and larger solar air-conditioning units.

Solar air conditioning and solar cooling are our main focus in Malta, however we are working in close collaboration with Heliodynamics to research how HD Solar systems can be applied to solve cost-effective desalination processes, either using membrane or heat-driven technologies. The payback of the capital cost of HD7 equipment is up to 50% shorter than conventional solar competition. After that, the solar energy comes FREE for 22 - 27 years, the balance of the **30-year design-life** of HD Solar systems. Maintenance and service costs are negligible.

Renewable Habitats also intends to provide expertise on other sustainable technologies including

- + Energy audits and carbon trading; CO2 footprints and solutions for reducing energy consumption;
- + Heat pumps and Wind turbines;
- + Low-energy homes, and renewable energy complexes and environment friendly areas;
- + Water recycling, rain water use and systems, treatment.

Our Project Experience

▪ Facilitating Innovation in Renewable Energies FIRE: 023428

6th Framework Programme

The overall strategic aim of this proposal, in keeping with EU FP6 policy which attaches significant importance to the participation of SMEs in EU R&D projects, is to facilitate and foster the participation of SMEs from the Renewable Energy sector (RES) in relevant calls in the remainder of FP6 and the future framework which will be established for the period 2006-2010 (FP7).



<http://www.firessa.eu>

▪ Malta Intelligent Energy Management Agency (MIEMA)

Intelligent Energy Europe (IEE) Programme

Projects in Motion Ltd. helped source funding for the establishment of the The Kyoto Protocol represents the first pillar of an international strategy to achieve the objective of a progressive. The Malta Energy Management Agency intends to be a protagonist in the reduction of greenhouse gas emissions in the atmosphere, in order to fight climatic changes caused by the quick rise in the earth's temperature, promoting awareness initiatives and contributing to define incisive and targeted proposals and policies of intervention, thus aiming to optimize the use of conventional energy resources and to develop renewable sources on the island.



<http://www.miema.org>

EU Programmes we are active in:

The Intelligent Energy Programme 2007-2013 funded under the CIP programme.
&
the Energy theme within the 7th Research Framework Programme.



The Renewable Habitats Cluster

Renewable Habitats is a combined effort between:

Projects in Motion Ltd

PiM aims to facilitate the transformation of particularly reliable and innovative Maltese SMEs into clusters set to reap the benefits of the knowledge economy. It does this by providing assistance and clustering structures, promoting transnational cooperation and networking; and by offering services related to ICTs, management, manufacturing, research, training and dissemination activities.

Projects in Motion Ltd.

www.pim.com.mt

Engineria Ltd.

Engineria Ltd. was founded by Ing. Kevin Alamango in 2006 with a mission to help its customers gain competitive advantage through flexible automation, the application of vision systems and project management.



www.engineria.com

Other entities we also collaborate with include:

Seasus Ltd.

Seasus offers a wide range of new media and technology services includes integrated web solutions, streaming media, e-mobile applications, e-commerce, e-learning, online gaming, internet marketing and web based software applications. Our major strength lies in the ability to merge these main stream products and services with innovative technologies, including voice and video over IP, e-learning applications and wireless devices.



<http://www.seasus.com>