



**What is SEIPLLED?**

The project aims to demonstrate the viability of integrated projects where the sustainable energy development reinforces local development aspects. The project will present a common methodology for going from a planned study to a wider implementation phase, in order to ensure that the sustainable energy solution will be carried out reducing barriers to its implementation.

**REOC: Energy-sustainable industrial buildings**

The renewable energy technologies proposed for Cornish industry and commerce are:

**Biomass boilers:** for process heat; **Wind:** for electricity; **Ground source heat pumps:** for space and domestic water heating; **Heat mains for biomass chp:** for process heat and electricity.

With rapidly rising energy bills and targets for controls on emissions in the UK, the long term cost and carbon savings of this project are seen as the major advantages to industries and businesses. The table below briefly summarises the numbers involved for the different technologies including the initial costs involved and the tonnes of Carbon saved per year.

A number of businesses and professionals in the field have expressed their interest in the project and are enthusiastic for the potential income this will generate for Cornwall.

*Illustrative programme*

Technology option	No projects	total cost £m	total MW	MWh pa	tpa CO <sub>2</sub>
Biomass	100	8	10	35,000	6,650
Wind	150	148.5	99	277,517	119,332
Ground source heat pumps	100	4.8	6	18,000	1,456
Enabling technology heat mains	3	5.0	15**	112,000	48,000
	<b>353</b>	<b>166.3</b>	<b>130</b>	<b>442,517</b>	<b>175,438</b>

**Partners in the SEIPLLED Project:**

ECUBA, Italy, [www.ecuba.it](http://www.ecuba.it)  
 ANATOLIKI S.A., Greece [www.anatoliki.gr](http://www.anatoliki.gr)

L.E.I., Lithuania [www.lei.lt](http://www.lei.lt)  
 SOFENA, Bulgaria [www.sofena.com](http://www.sofena.com)

B&S.U., Germany [www.bsu-berlin.de](http://www.bsu-berlin.de)  
 EAO, Austria [www.eao.st](http://www.eao.st)

REOC, UK [www.reoc.info](http://www.reoc.info)

To find out more about the SEIPLLED project, visit [www.ecuba.it/seiplied](http://www.ecuba.it/seiplied)

