

# OUR COMMITMENT FOR ENERGY PRODUCTION

[www.faggiolatipumps.com](http://www.faggiolatipumps.com)

Designer and manufacturer of submersible electric pumps, mixers and aerators in cast iron, stainless steel  
AISI 316 / super duplex alloys / bronze B10  
From kW 0.50 to kW 350

Our commitment to develop low-density energy systems

**SAVING**

Increasing energy efficiency of our machines

**RECOVERING**

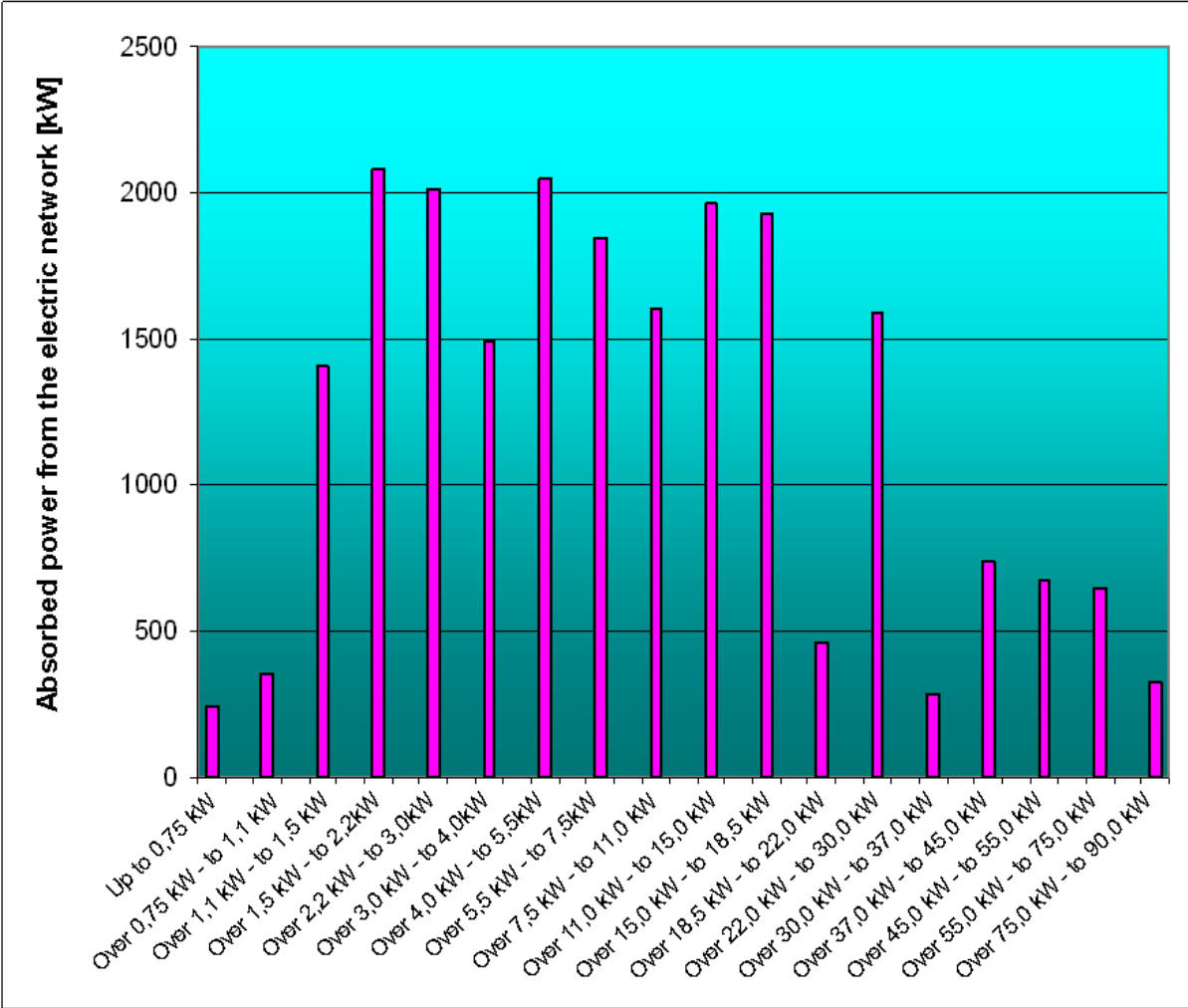
Making available on the market low-cost micro propeller-type turbines for low heights

**PRODUCING**

Extracting energy from sea waves through low environmental impact devices

**ENERGY SAVING IS POSSIBLE**

In 2010 Faggiolati Pumps SpA manufactured and sold **6317** machines equipped with electric motors from 0,3 up to 90kW.

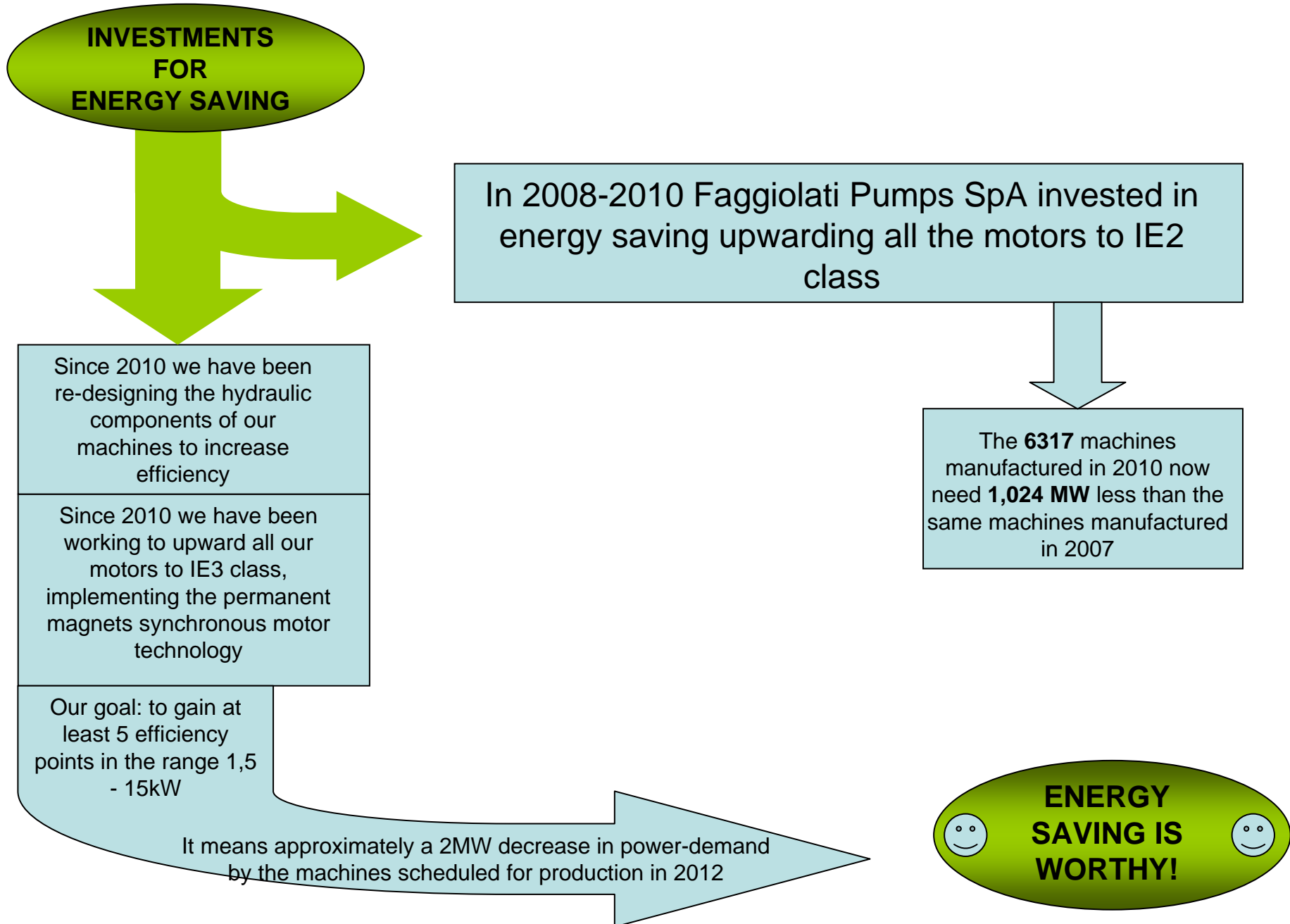


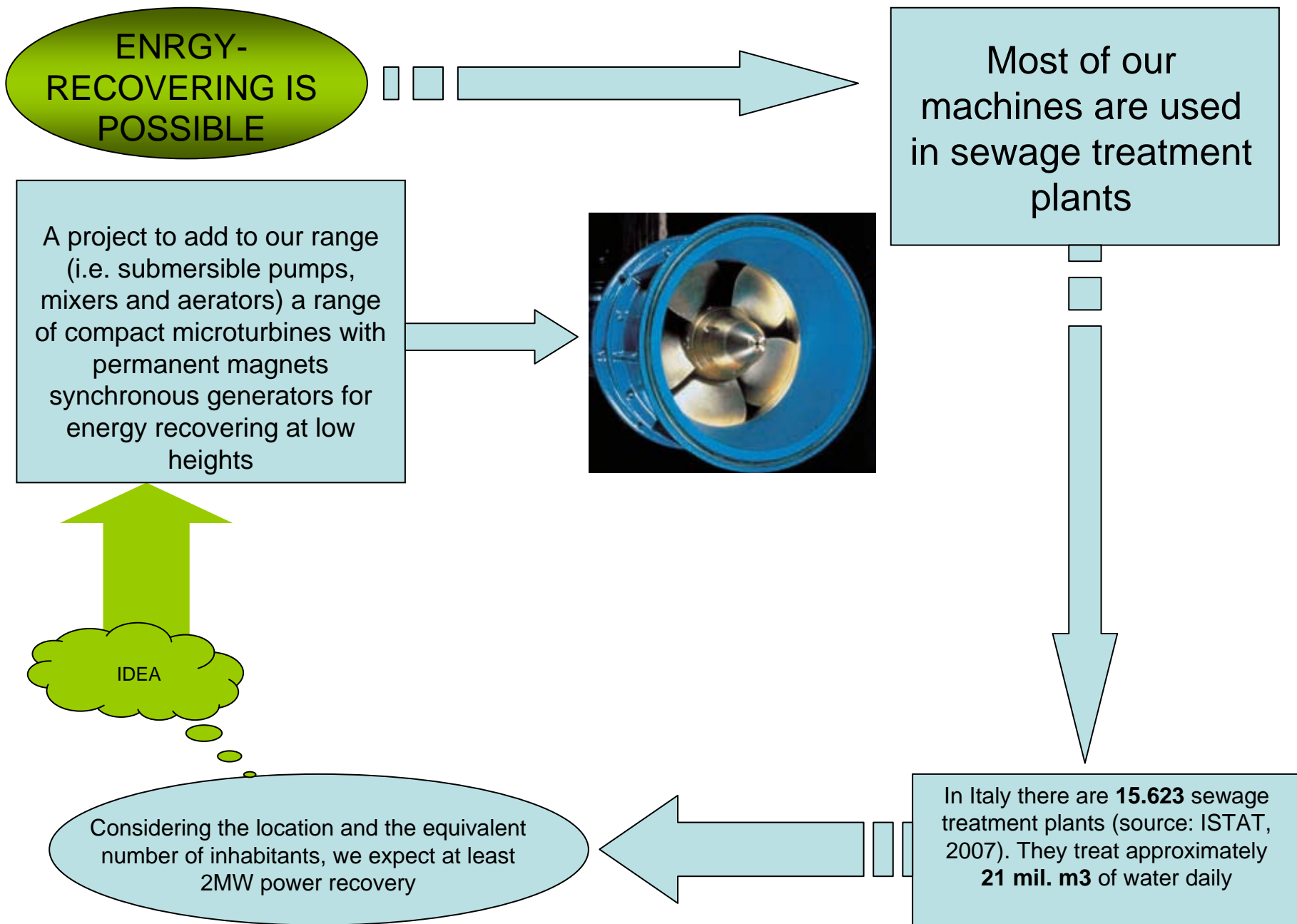
The equipments manufactured by Faggiolati Pumps SpA in 2010 have absorbed **22,9 MW** as total power from the electric network. We can figure an average yearly consumption of **27.5GWh**

**Which consequences in terms of energy production?**

**27.5GWh** represents **43.1%** of the energy produced in **2008** by all the hydro-electric plants with capacity lower than 1MW operating in Le Marche region (source: Terna SpA)

**Reducing energy consumption is everyone's responsibility**





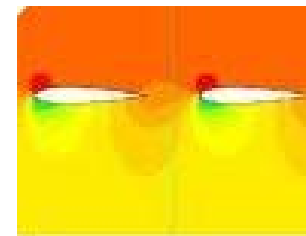
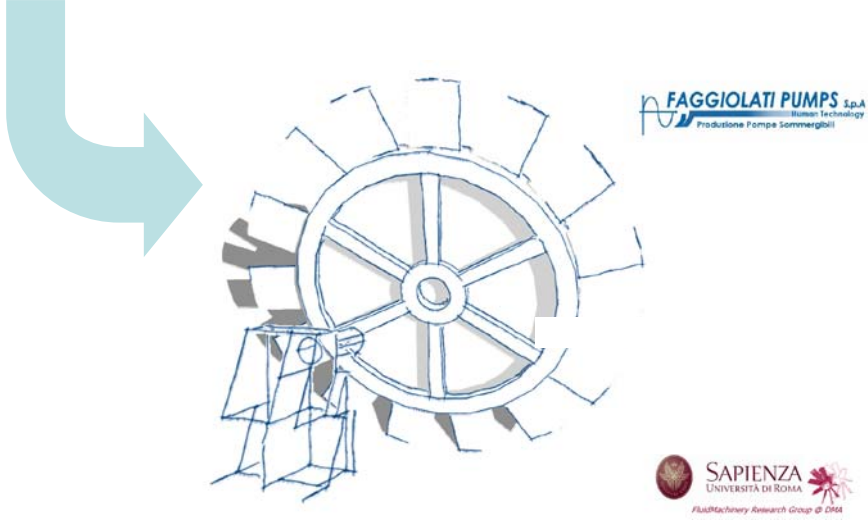
ENERGY PRODUCTION FROM NEW RENEWABLE SOURCES IS POSSIBLE

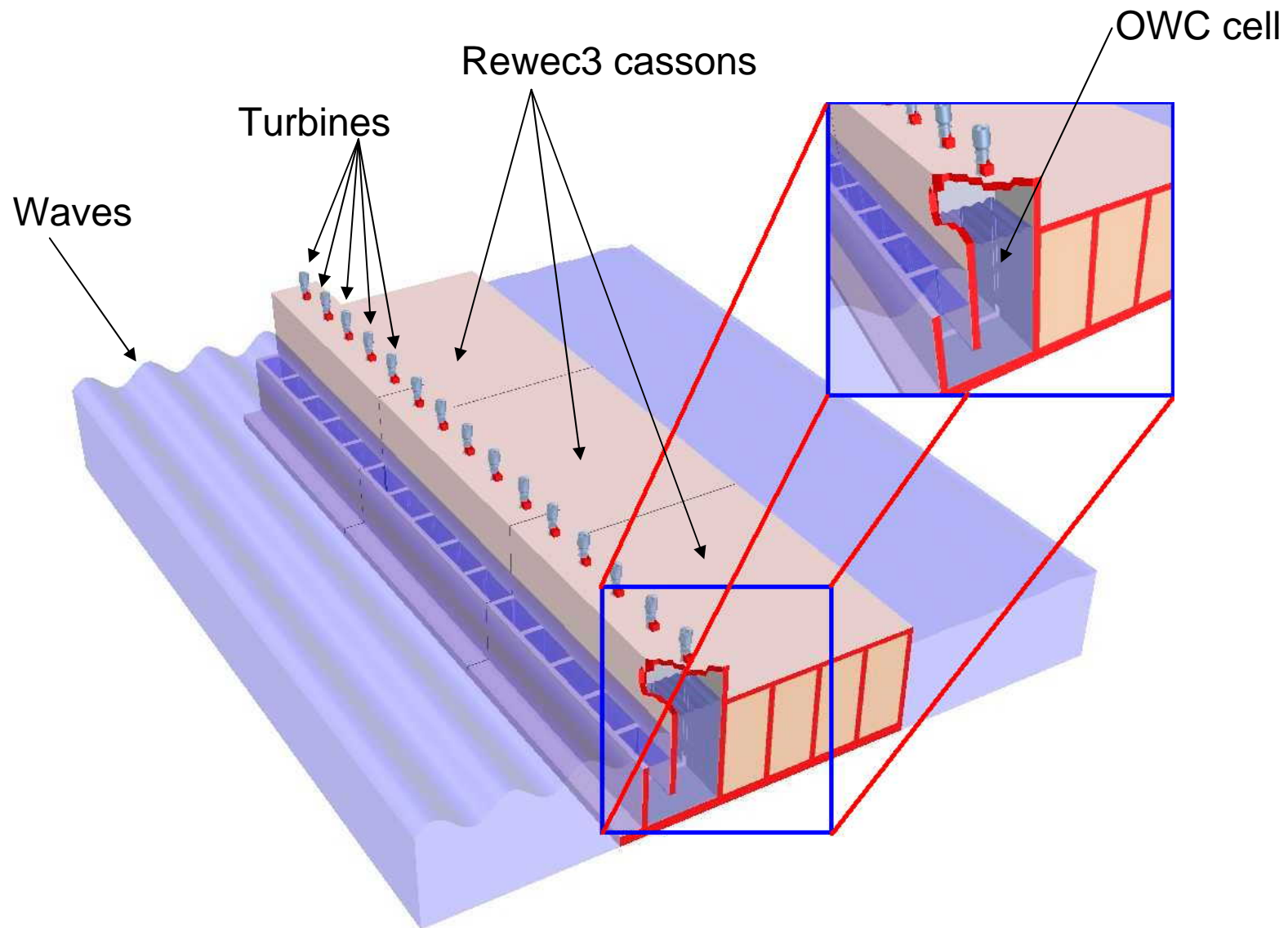
Sea is a great energy source still untapped, with a potential of 700 MWh/year for 100 mt. of water collection plant



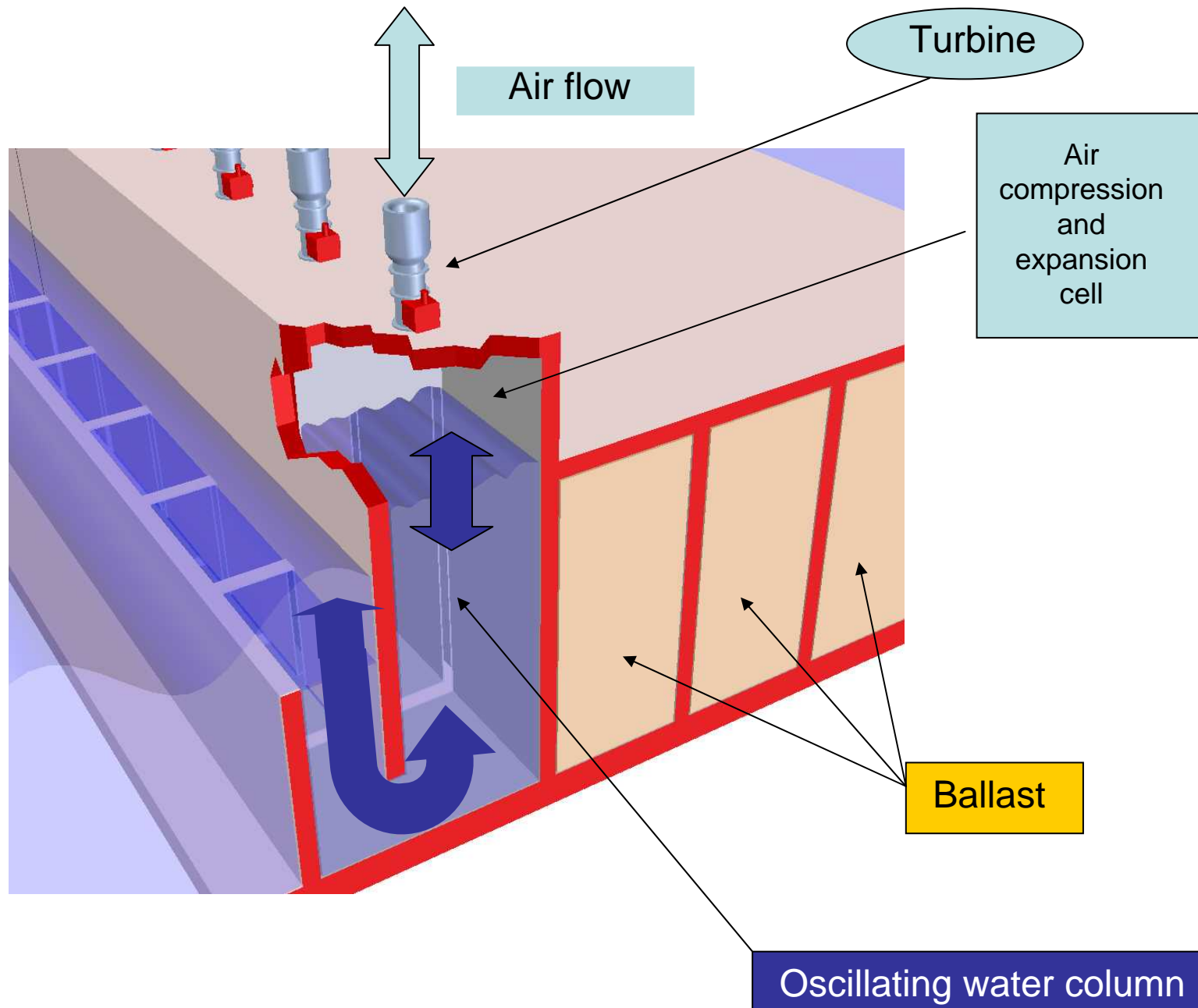
Faggiolati Pumps SpA confirms its commitment to develop plants for energy production from renewable sources, with the aim of manufacturing the first Italian turbine for the collection of energy from sea waves

Our designers are already cooperating with the FluidMAchinery Research Group @ DMA from "University La Sapienza"-Rome, developing a simulation bench to analyse the Mediterrean Sea tide properties, to check the fluid dynamics models for the control of the stand-by phase of the turbine





Every casson is 25 mt. long, 5 mt. above the sea level and it is made up of 5 separate cells, each of them equipped with a working turbine





28th March 1979:  
partial core fusion in reactor  
N°2 at Three Miles Island  
nuclear plant



High density of energy = Danger



11th March 2011: 4 reactors out of control at  
Fukushima nuclear plant after tsunami.  
Another disaster?



26th April 1986: core fusion in reactor N°4 at Chernobyl  
nuclear plant



**RECONSIDER ENERGY PRODUCTION!**