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clima natural



## Solar Combi + project

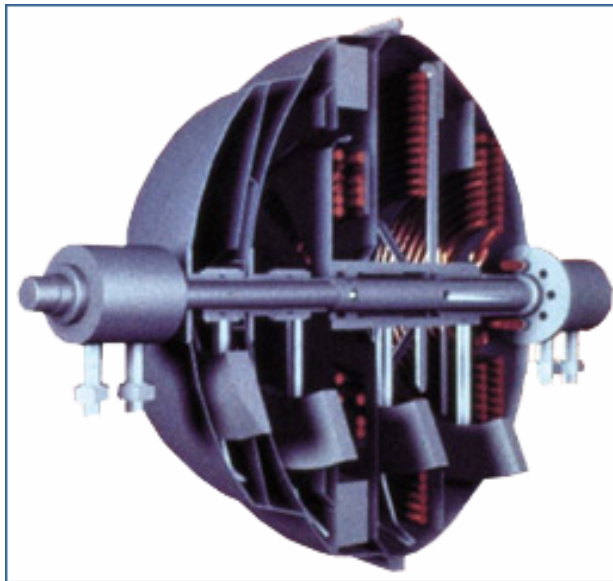
Bilbao Meeting, 21-22nd February 2008



## 1. ROTARTICA TECHNOLOGY

**Rotartica technology is based on an absorption cycle inside a vacuum chamber. The unit rotate in order to optimize mass and thermal exchanger processes.**

- the size and weight is reduced.
- the efficiency of the system is increased.
- The thermal gradient increases, avoiding the use of wet cooling tower

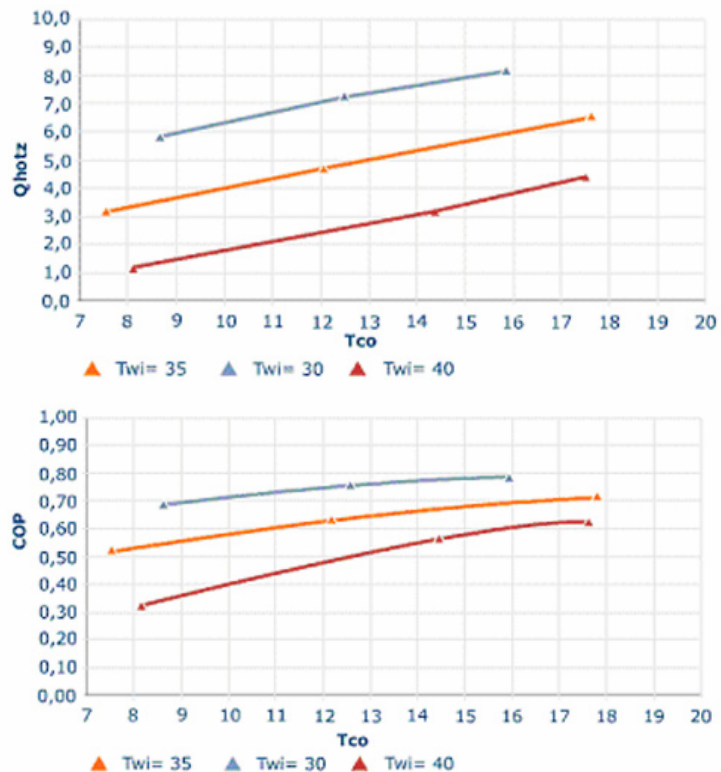


## 2. PRODUCTS 2 MODELS

### ROTARTICA SOLAR 045v



- Dry cooling system integrated.
- Outside installation

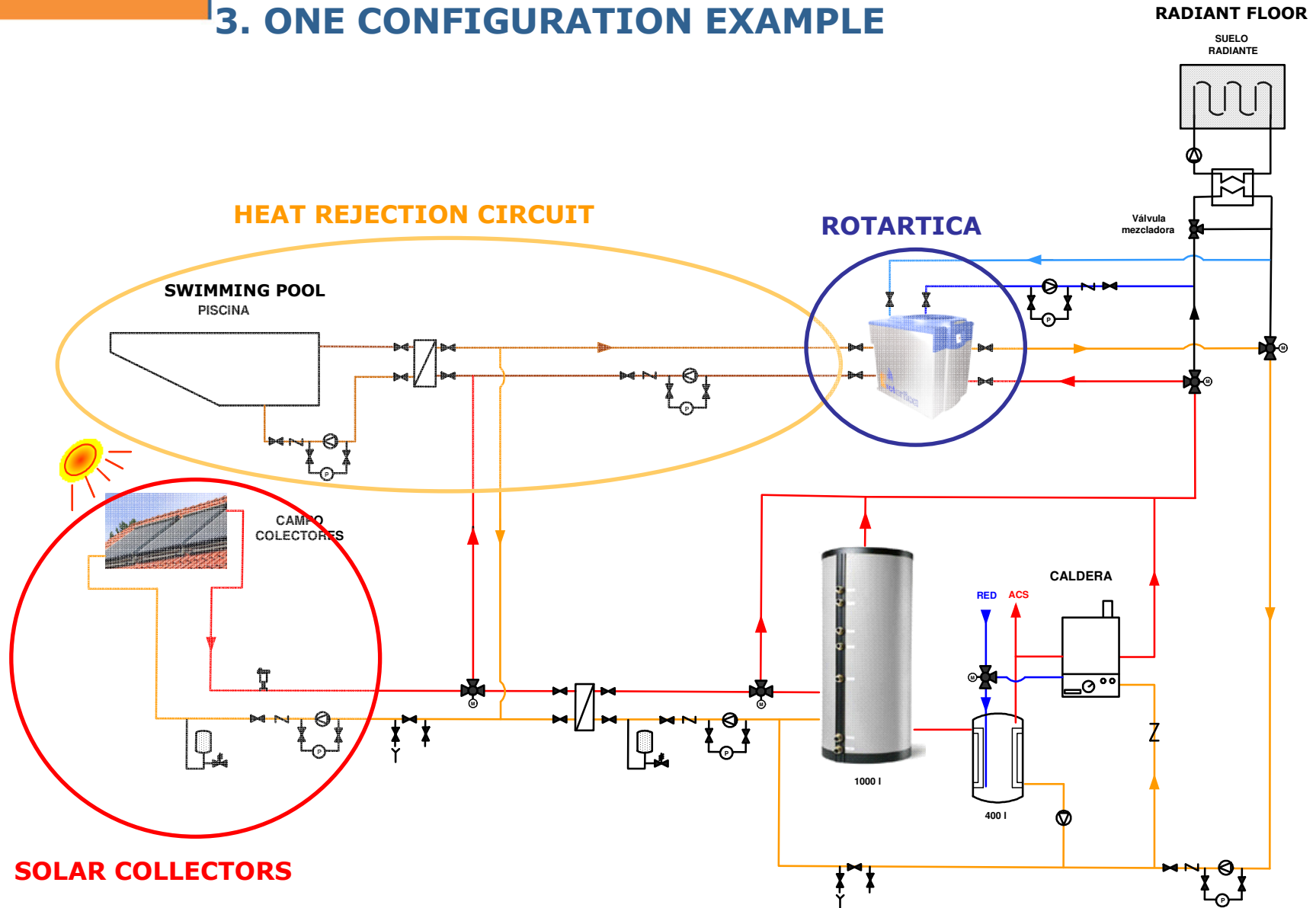


### ROTARTICA SOLAR 045



- Dry cooling system is not integrated
- Inside installation possible

### 3. ONE CONFIGURATION EXAMPLE

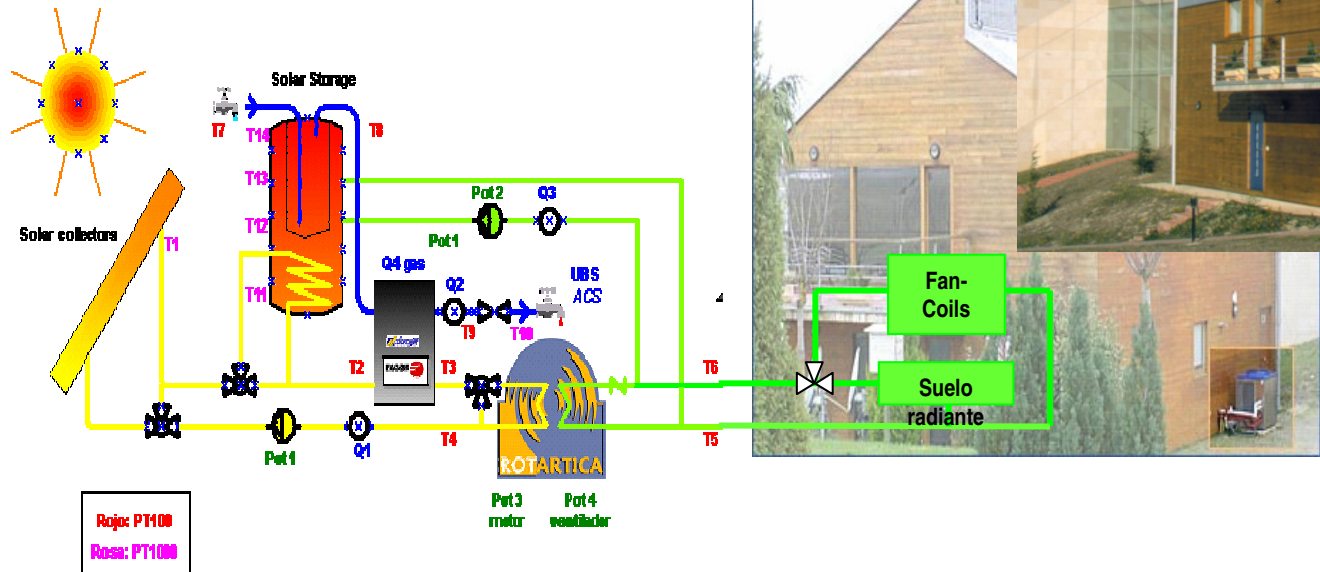


## 4. INSTALLATIONS

- Rotartica has project about 70 installation in 2005-2007 period. Some of them are show in the following slides

### INSTALLATION: Domolab (Ikerlan)

#### Monitoring System



## INSTALLATION: Termicol (Sevilla)



- Office air-conditioning
- 50m<sup>2</sup>
- fan coils
- Collectors: Termicol

## INSTALLATION: ARGEM (Puerto Lumbreras)



El proyecto ABSORPILOT consiste en la instalación de un sistema de calefacción/ climatización solar utilizando la máquina Rotártica



Fuente: ARGEM  
Centro de desarrollo local de Puerto Lumbreras

se produce frío para el aire acondicionado de los locales. El equipo que produce frío, a partir del agua caliente generada por el sistema solar, es la



- 3 rooms air conditioning
- Area 100m<sup>2</sup>
- fan coils
- 20m<sup>2</sup> collectors



## INSTALLATION: VELUX (Itinerant-Velux 5 oceans)



- Itinerant house
- Rotartica unit with an auxiliary conventional chiller





## INSTALLATION: TKNIKA (Errenteria)



- 3 rooms air conditioning
- fan coils
- 20m<sup>2</sup> collector

