

Country: *Spain*

Contact Person: *Salvador Quilis Marzal*

Organisation/Company: *Energesis Ingeniería*

Address: *Paseo de las facultades, 12 2A 46021 Valencia*

Phone: 963697566

Email: squilis@energesis.es



GENERAL TRT DATA

Type: <i>Heat injection and heat extraction</i>	No TRTs: <i>1</i>	Size, weight: 5100+2250+2450 (mm+mm+mm) 500 kg
Aim: <i>commercial</i>		Pump: variable speed pump (0-5 m3/h)
Powered by: <i>Electricity (220 V)</i>		Heater: No
Built on/in: <i>Trailer.</i>		HP/Cooler: Air-water heat pump (5 kW)
<p>Principle outline</p>		Temperature measurements: Ambient temperature, fluid temperature - <i>PT 100</i>
		Flow rate measurements: - <i>Electromagnetic flow meter</i>
		Voltage stabilization: <i>No</i>
		Supply Power Monitoring: <i>Yes</i>
		GPS: <i>No</i>
		Remote Control of Operation: <i>Yes</i>
		Remote Data Collection: <i>Yes</i>
	Logger: <i>Siemens S7300</i>	

TRT EXPERIENCE

Years of operation: *4*

Number of performed measurements: *15 (commercial)*

Typical borehole depths: *100 m*

Applications: *BHE, energy piles,*

Typical collector type: *1U, 2U,*

Typical fluid type: *water*

Typical groundwater temperature: *18 °C*

Geographical area: *Spain*

Analysis Method: *Numerical/ Line source.*