

Country: Italy

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## GENERAL TRT DATA

Type: Heat injection and heat extraction	No TRTs: 3	Size, weight: 800x800x1200,250 kg
Aim: commercial		Pump: variable speed different type and models. From 400 to 3000 l/h
Powered by: Electricity		Heater: electrical resistance from 1,5 to 12 kW
Built on/in: portable cart		HP/Cooler: variable speed chiller fro 1, to 15 kW
		Temperature measurements: - in/out from the ground - external/internal air Accuracy $\pm 0.1$ °C
		Flow rate measurements: - magnetic flow meter
		Voltage stabilization: no
		Supply Power Monitoring: yes
		GPS: no
		Remote Control of Operation: yes
		Remote Data Collection: yes
		Logger: data logger standard

## TRT EXPERIENCE

Years of operation: 3

Number of performed measurements: about 30 commercial

Typical borehole depths: 100

Applications: BHE, energy piles,

Typical collector type: 1U, 2U. type of filling: geothermal cement mix

Typical fluid type: water

Typical groundwater temperature: 12/15°C

Geographical area: center/nord italy