

REFERENCES

INDUSTRIAL AUTOMATIONS

WATER

Electric and Heat Energy | Turin - Italy



Industrial Sector: **Water**

Application: Water Pumps

Products: 16 Sinus Penta 4T- 800 kW
3 Sinus Penta 4T- 90 kW
1 Sinus Penta 4T- 35 kW
3 Sinus Penta 4T - 300 kW
1 Sinus Penta 4T - 100 kW

Connection date: 2009

Customer: Iren Energia

Key Notes: IREN works on Electricity (production, distribution, sales), Thermal energy for district heating (production, sales), Natural Gas (distribution, sales) , Management of integrated water services, Environmental services (waste collection, disposal waste), Services for public administrations.



Water supply and sanitation | Mexico City - Mexico



Industrial Sector: **Water**

Application: Pumps

Inverters: Soft Starter ASAMV

Connection date: 2009

Customer: Water treatment Company
Mexico City

Key Notes:



Water Treatment | Ferrara - Italy



Industrial Sector:	Water
Application:	Pumps
Inverters:	Sinus Penta Box and Cabinet
Connection date:	2009
Customer:	C.A.D.F. SpA Ciclo Integrato Acquedotto Depurazione Fognatura

Key Notes: The purpose of C.A.D.F. consist of the associated management of the entire cycle of collection, treatment, purification and distribution of water for multiple uses, especially for human uses.
C.A.D.F. operates on an area of 1312.70 km², with a resident population of 104,699 units¹, which in summer becomes 200,000, for a number of 68,229 users, providing drinking water for every year 10,560,000 m³.
Drinking water treatment plant - 2



Water Treatment | Bari - Italy



Industrial Sector: **Water**

Application: Pumps

Inverters: Sinus Penta Cabinet

Connection date: 2008

Customer: Acquedotto Pugliese SpA

Key Notes: In size and capacity, the Aqueduct Pugliese is one of the most impressive and exemplary works of hydraulic engineering systems in the world.

A widespread system of systems for the isolation of the water, pipelines and interconnections located in an area wide and high population density.



Public utility for water supply | Moscow - Russia



Industrial Sector: Water

Application: Manual/Automatic control of the water flow in different pipe sites

Products:

- 1 Sinus Penta 0366 4T
- 4 Sinus Penta 0312 4T
- 3 Sinus Penta 0150 4T
- 1 Sinus Penta 0017 4T
- 8 Sinus M 0014 4T
- 10 Sinus M 0002 2S/T
- 6 ASA0238-5-24-4
- 3 ASAC-1-022-4-1

Connection date: 2011

Customer: MosVodoKanal

Key Notes: with the installation of Santerno inverters and soft starters the existing pumping plant is now automated in order to optimize the water consumption.

Manual/automatic control of the water flow

Unit installed into a cabinet IP54 , because of further requirement from the end user



Industrial Sector: **Water**

Application: Pump

Products: Sinus Penta

Customer:

Key Notes:



Irrigation Pump | Piura- Peru



Industrial Sector: **Water**

Application: Irrigation Pump

Products: Sinus K

Connection date: 2008

Customer: Esitel S.A.C.

Key Notes:



Water | Ponte di Piave (TV) - Italy



Industrial Sector:

Water

Application:

Pumps – OEM

Products:

Soft-Start serie ASAB

(tropicalized for H₂O)

Sinus Penta

(tropicalized for H₂O)

Connection date:

From 2007

Customer:

Euromacchine

Key Notes:

Euromacchine produce high performance, reliable and efficient machines for all applications in the fields of energy and irrigation

Multifunctional LAMPO - generator that powers the Sinus Penta on the Caprari pump

euromacchine



Water | Longyan Zijin Mining Industry - China



Industrial Sector: **Water**
Application: Pump
Inverters: Sinus Penta RGN
Type: Drive + RGN
Connection date: 2009
Customer: Longyan Zijin Mining Industry

Key Notes: Flow control and transport on demand



Water Treatment | Granarolo Faentino (BO) - Italy



Industrial Sector:	Water
Application:	Pumps
Products:	Sinus Penta IP54 for pumps
Connection date:	2009
Customer:	Hera

Key Notes:

Hera provides energy services (gas, electricity), water (water supply, sewerage and treatment plants) and environmental (waste collection and disposal) for a basin of over 2.9 million people.



Energy Services | Imola (BO) - Italy



Industrial Sector: **Water**

Application: Pumps

Products: Sinus Penta IP54 for hot water pumps

Connection date: 2009

Customer: Hera

Key Notes:

Hera provides energy services (gas, electricity), water (water supply, sewerage and treatment plants) and environmental (waste collection and disposal) for a basin of over 2.9 million people.



www.santerno.com