



HydroPower Plants



**TURN-KEY SOLUTIONS FOR
MICRO AND MINI
HYDROPOWER PLANTS
WITH POWER UP TO 20 MW**

**SPECIAL HPP ACCESSORIES
TRASH RACK CLEANING
MACHINE, GATES &
STOPLOGS**

**REVAMPING OF EXISTING
HYDROPOWER PLANTS**

**PRODUCTION AND/OR
RECONDITIONING OF PLANT
PARTS:
TURBINES, SHUT-OFF
DEVICES SERVOMECHANISMS,
REGULATION AND CONTROL PANELS**

**UPGRADING WITH 4.0
DIGITAL TECHNOLOGY**

**OPERATION &
MAINTENANCE**



ABOUT US



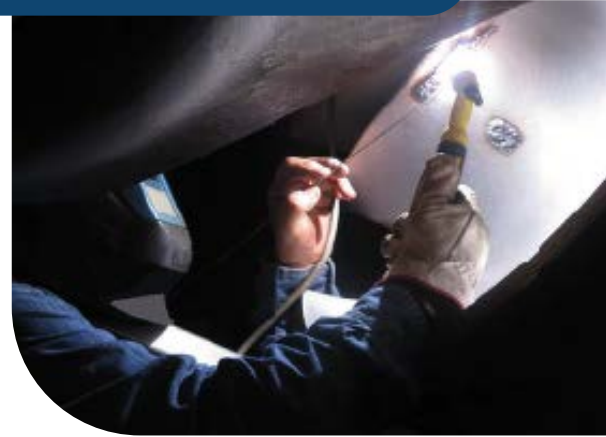
Afritechnics was set up thanks to the consolidated collaboration among a Italian and Zambian companies with a long experience in hydroelectric sector. This solid skill has been implemented over the last 40 years as part of a continuous partnership with important power generation companies in Italy

Afritechnics Italian headquarter is in Terni, in Umbria, a region where industrial activity can boast a decades-long history and has always enjoyed an excellent position and strong sectorial competitiveness, with a high standard performance both in Italy and abroad.

Furthermore the area of Terni represents an innovative area of hydropower production and technological development in this field at a national and international level.

Already at the end of 1800 the first projects were implemented resulting in the construction of the first hydraulic turbines, together with the relative generators and primary and auxiliary equipment for power stations, along with the study of the relative installation and maintenance procedures. This culture of designing and manufacturing specific products for the hydropower sector, which is typical of Umbria, is still alive at Afritechnics.

Today the aim of Afritechnics is to offer its customers a unique interlocutor, able to guarantee high standards of quality, reliability and competitiveness, capable of managing a wide range of services and supplies completely within its structure.



**Total Surface:
12.000 M2**



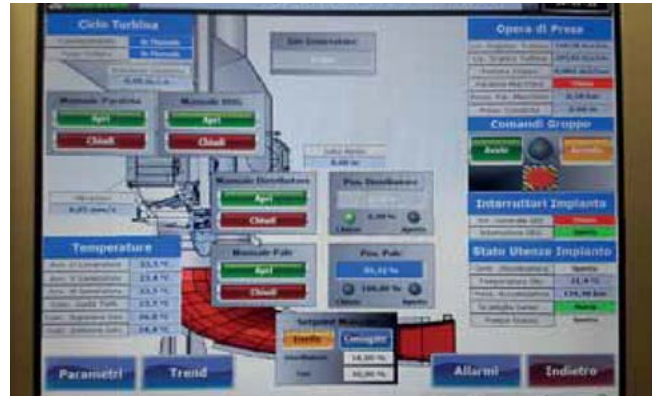
**Workforce:
200**



**Turnover:
20.000.000 €**



HPP Chiaravalle - Treia, MC - Italy



Hydropower Plant

Water source	Run of river
Location	Treia, MC - Italy
Customer	Ergon idroelettrica srl
Power	450 kW
Head	9.95 mt
Date of works	2016/2017
Annual production	1.300.000 kWh
Turbine	n.2 Kaplan
Rated flow	5 m ³ /s





HPP Chianche - Avellino - Italy



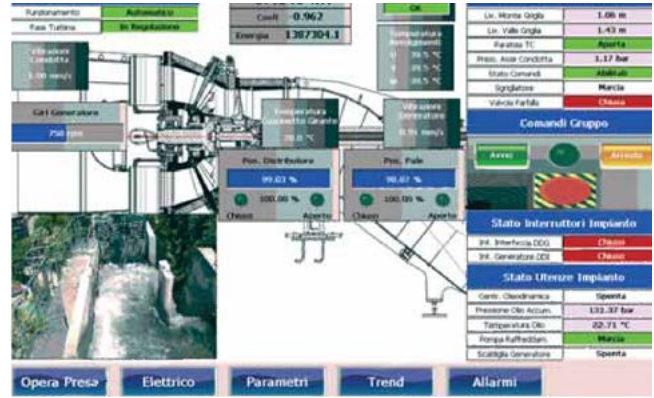
Hydropower Plant

Water source	Run of river
Location	Chianche (AV) - Italy
Customer	Eurasia Energia srl
Power	330 kW
Head	5.14 mt
Date of works	2016
Annual production	1.200.000 kWh
Turbine	n.2 Archimedean Screw Turbine
Rated flow	9 m ³ /s





HPP Terni - Italy



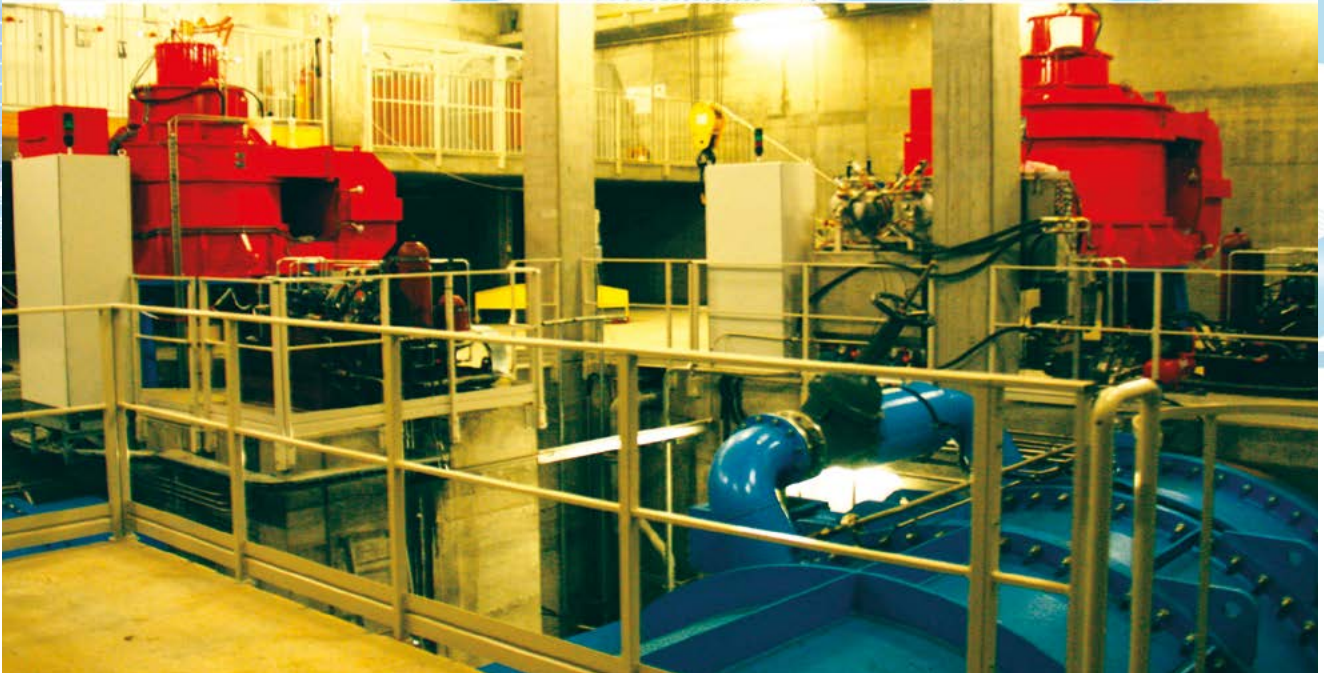
Hydropower Plant

Water source	Irrigation Canal
Location	Terni - Italv
Customer	Contessa Energy srl
Power	95 kW
Head	11 mt
Date of works	2014
Annual production	830.000 kWh
Turbine	n.1 Kaplan
Rated flow	1 m ³ /s





HPP Castellarano - Castellarano (MO) - Italy



Hydropower Plant

Water source	Run of River
Location	Castellarano (MO) - Italy
Customer	Bi. Energia srl
Power	1820 kW
Head	9 mt
Date of works	2017
Annual production	6.200.00 kWh
Length penstock	65m
Diameter Penstock	n.1 Ø 3600 mm
Turbine	n.2 Vertical full spiral
Rated flow	26 m ³ /s





Your Issue Is Our Mission



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