

## **REFERENCES**



We have references in 25 countries



## **NUCLEAR APPLICATION**

**R & D** 

FRANCE - Reactor cooling pumps
SWITZERLAND - Reactor cooling pumps

RUSSIA - II and IV security class cooling pumps

BRASIL - Model cooling pump

**PUMPS** 

RUSSIA - II and IV security class cooling pumps

OIL & GAS

**R & D** 

ITALY - API pumps for Refineries
 CANADA - API pumps for Refineries
 BULGARIA - API pumps for Refineries



## **PUMPS**

RUSSIA - GIDRMAS GERM, ROSSNEFT, GAZPROM

## **INDUSTRY, WATER SUPPLY, IRRIGATION**

**GERMANY** 

**AUSTRIA** 

**INDIA** 

ITALY

**ITALY** 

**KAZAKHSTAN** 

**SOUTH AFRICA** 

SAUDI ARABIA

**SERBIA** 

**SLOVENIA** 

**EGYPT** 

**IRAQ** 

**JORDAN** 

**CYPRUS** 

**RUSSIA** 

UAE

**UKRAINE** 

- Pumps for Industry

- Pumps for Industry

- Pumps for water application

- Pumps for Industry

- Pumps for irrigation

- Pumps for industry

- Pumps for Mine industry

- Pumps for wells

- Pumps for water application

- Water hammer systems

- Pumps for water application

- Pumps for water application

- Pumps for water application

- Pumps for irrigation

- Pumps for industry

- Pumps for water application

- Pumps for industry







	RUNNING PROJECTS			
1	Sewage pump	Hydraulic and mechanical development	AOI, Ament - Egypt	
2	Vertical VS4 API 610	Hydraulical and mechanical development	DHM Russia	
3	API 610 BB1 Split casing pump	Hydraluc development	Aturia Italy	
4	Vertical Split casing pump	NPSH improving	Aturia Italy	
5	Horizontal split casing pump	Hydraluc development	Aturia Italy	
6	API 610 OH3 vertical inline pump	Hydraulic and mechanical development	Aturia Italy	
PROJECTS 2021				
1	Submersinle 8* pumps	Hydraluc development	Aturia Italy	
2	Optimization of pumping station	Energy saving	Rotana Jumeirah Dubai	
3	Pump intake CFD analyze	Flow-vortex analyze	Aturia Italy	
4	OH 3 8 vertical inline pumps	Hydraulic development	Aturia Italy	
5	Split casing pump Q=2800 m3/h	Hydraulic and mechanical development	Aturia Italy	
6	API pump type OH 2 nq 12	Hydraulic and mechanical development	DHM Russia	
7	Axial vertical pump Q=12000 m3/h	Hydraulic development	Aturia Italy	
8	API pump type OH 2 nq 18	Hydraulic and mechanical development	DHM Russia	
9	API pump type VS 4 H=410 m	Hydraulic and mechanical development	DHM Russia	
10	API pump type OH 2 nq 23	Hydraulic and mechanical development	DHM Russia	





	PROJECTS 2020				
1	API BB1 Split casing pump nq 38	Hydraulic development	Aturia Italy		
2	Reversible pump-turbine 2500 kW	Hydralic development	Rutschi - France		
3	Pump-turbine intake sump analyze	CFD hydraulic development	Rutschi - France		
4	High pressure multistage pump nq16	Efficiency improvement	DHM Russia		
5	Hydro p0wer plant 3 x 12 MW	3D Model	Hydroing Slovenia		
6	Split casing pump nq 33	Hydraulic development	Aturia Italy		
7	Split casing pump nq 64	Hydraulic development	Aturia Italy		
	PROJECTS 2018 - 2019				
1	Pump - turbine 125 MW	Hydraulic development	BHEL India		
2	Axial pump Q = 25.000 m3/h	Hydraulic development	Aturia Italy		
3	Fire fighting Split casing 250-300	Hydraulic development	Aturia Italy		
4	Analyze concrete model pump test procedure		Aturia Italy		
5	Submersible 8" pumps	Computational Fluid Dynamic Analyze	Aturia Italy		
6	Submersible 6" pumps	Compitational Fluid Dynamic Analyze	Aturia Italy		
7	Multistage pump 900 m3/h P = 1.200 kW	Hydraulic and mechanical design	KKR Kazakhstan		
8	FM fire fighting vertical pump nq 48	Hydraulic development	Aturia Italy		
9	FM fire fighting vertical pump nq64	Hydraulic development	Aturia Italy		
10	Multistage horizontal pump nq 28	Hydraulic and mechanical design	CRI India		
11	Vertical pump hollow shaft design	Mechanical design	CRI India		
12	Fire Fighting Slpit casing pump nq 38	Hydraulic development	Aturia Italy		
13	Test rig for pumps	Hydraulic and mechanical design	Napco Algeria		





	PROJECTS 2017			
1	Submersible pumps 10"	Hydraulic and mechanical development	Aturia - Italy	
2	Vertical pump nq=85, 50.000 m3/h, P=4,8 MW	Hydraulic design	WPIL - India	
3	8 Horizontal high pressure pumps range up to 800 m3/h	Hydraulic and mechanical design	CRI - India	
4	Training course	Design of heavy duty process pumps	Rutschi -Switzerland	
5	Vertical pumps range up to 10.000 m3/h 15 pumps in range	Hydraulic and mechanical design	CRI - India	
6	API pump type OH2 nq 12	Improving hydraulic and mechanical design	Aturia - Italy	
7	Test rig design for pumps ISO 9906	Hydraulic and mechanical design	Hidroing - Slovenia	
8	Axial pump 28.000 m3/h	Hydraulic design	WPIL India	
9	Firefighting split casing pump 2500 GPM	Hydraulic and mechanical design	Aturia - Italy	
10	Vertical pump nq=46	Improving the hydraulic characteristics	Aturia - Italy	
11	Vertical pump nq=38	Improving the hydraulic characteristics	Aturia - Italy	
12	Split casing pumps	Mechanical design of 18 split casing pumps	Aturia - Italy	
13	Split casing pumps	Re-design of traditional mechanical design	Aturia - Italy	
14	Submersible pumps Caprari & Rovatti	Computational Fluid Dynamic Analyze	Aturia - Italy	





PROJECTS 2016			
1	Production of prototype of barrel pump for nuclear application	Model pump for testing	Rutschi - Switzerland
2	Development of split casing pumps range of 18 pumps	Hydraulic development, mechanical design	Aturia - Italy
3	Development of split casing firefighting pump nq 34	Hydraulic development	Aturia - Italy
4	Submersible pumps 8"	Hydraulic and mechanical development	Aturia - Italy
5	Development of high pressure barrel pump for nuclear power plants	Mechanical design	Rutschi - Switzerland
6	Split casing pump 150-500	Hydraulic and mechanical development	Aturia - Italy
7	Submersible 6" pumps rage	Hydraulic development and mechanical design	Aturia - Italy
8	Development of split casing pump 200-470	Hydraulic development and mechanical design	Aturia - Italy





	PROJECTS 2015			
1	Development of high pressure barrel pump for nuclear power plants	Hydraulic development	Rutschi - Switzerland	
2	Development of high pressure pump for electrical motor cooling system integrated in the motor	Hydraulic development	Rutschi - Switzerland	
4	Vertical pump design	Hydraulic development	Gidromas Germ - Russia	
5	Submersible high pressure pumps	Hydraulic and mechanical design	Intechleader - Canada	
	PROJECTS 2014			
1	Optimization and energy saving of Water Supply System Velika Plana	New pumps and new operating regimes	Velika Plana - Serbia	
2	Thermal calculation of pump casing for nuclear power plant	Heat transfer calculations	Rutschi - Switzerland	
3	Submersible pump for nuclear power plants	Improving the hydraulic characteristics	Aturia - Italy	
4	Test rig for pumps Q max 5.000 m3/h	Design	NWWC - Saudi Arabia	
6	End suction pumps	New pumps $Q = 1400 \text{ m}3/\text{h} \text{ H}=20 \text{ m}$	Godent - Serbia	
7	Horizontal pumps	Production of impellers and diffusers	Rutschi - Switzerland	
8	Electrical motor cooling pump	Hydraulic development	Rutschi - Switzerland	
9	Water turbines test rig design	3D and 2D design	Hidroing - Slovenia	