



TURBINE GOVERNORS AND OIL SUPPLY UNITS

The Institute of Power Engineering – National Research Institute Gdansk Division modernizes old turbine control systems and manufacture new turbine governors.

The scope of activity of the Institute of Power Engineering includes, among others:

- turbine governors
- oil pressure units
- wicket gate servomotors
- SCADA and remote control systems
- turbine speed measurement systems
- overspeed protection units



The Institute of Power Engineering has a laboratory base for testing new and modernized turbine components and control systems.

The Institute also performs expertise and tests of turbine governors regarding the degree of wear and scope of the required modernization.



Extract from reference list:

Year	Plant	Type	Scope
2002	HPP Vrutok (Macedonia)	Pelton turbine 1 x 0,5 MW	turbine governor, control sys. HPU, servomotor
2005, 2010	PSH Porabka-Zar	Francis turbine 4 x 125 MW	governor&HPU modernization HPU for emergency gate
2004, 2018	HPP Koronowo	Kaplan turbine 2 x 12 MW	turbine governors, HPU, servomotors
2005	PSH Niedzica	Deriaz turbine 2 x 40 MW	turbine governors HPU modernization
2006	HPP Debe	Kaplan turbine 1 x 5 MW	turbine governors HPU, servomotors
2009, 2015	HPP Waly	Kaplan turbine 4 x 3 MW	turbine governors, HPU modernization
2010, 2015	HPP Wroclaw	Kaplan turbine 2x1,5 MW, 2x1MW	turbine governors HPU, servomotors
2013	PSH Zydlow	Francis turbine 3 x 60 MW	turbine governors
2017	HPP Tresna	Kaplan turbine 2x 12 MW	turbine governors HPU modernization
2003, 2018	HPP Wloclawek	Kaplan turbine 6 x 27 MW	turbine governors HPU modernization
2018	HPP Grindberga (Sweden)	Kaplan turbine 1 x 2,2 MW	HPU, servomotors
2021-2022	HPP Kegums (Latvia)	Kaplan turbine 4 x 18 MW	turbine governors (full redundancy)
2022-2023	PSH Niedzica	Deriaz turbine 2 x 40 MW	turbine governors
2023-2024	PSH Zarnowiec	Francis turbine 4 x 180 MW	turbine governors (full redundancy)
2024 - 2026	HPP Dychow	Kaplan turbine 3 x 30 MW	turbine governors

