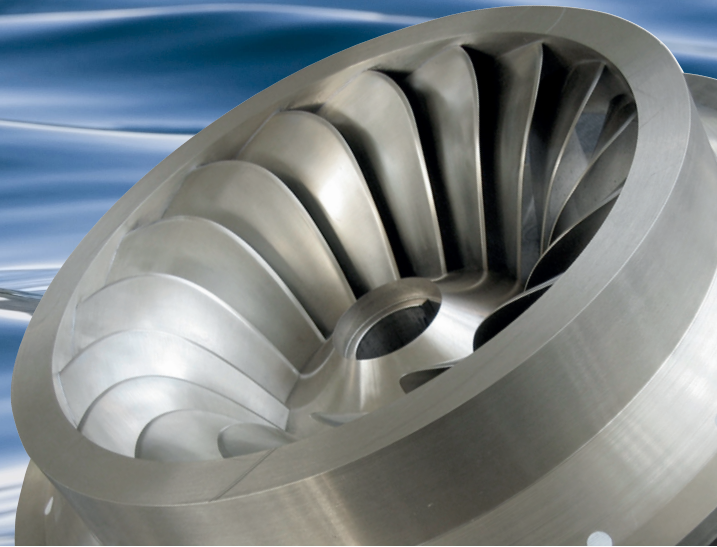




Energy from the Heart of Europe



Turbines

Pumps

Small Hydro Power Plants

About the company

Kolektor Turboinstitut, who started as an independent laboratory for turbo machines and later on developed into complete hydro energy solution provider, is strategically located in Ljubljana, Slovenia, where it offers complete services for turbine and pumps modelling, R&D and small & mini hydro power plants.

In addition to the above, we provide full pre-tender support for large hydro projects, enabling hydroelectric power plant owners to gain efficiency, assure successful outcomes and increase value of their investment.

Areas of expertise

Turbines

- Independent laboratory for model & site testing
- Design, model testing
- Turbine refurbishment
- Small water turbines design and production (up to 20 MW)



Pumps

- R&D and testing
- Pumps refurbishment Solving pump operational problems, consultancy and education
- Design, engineering, production, after sales

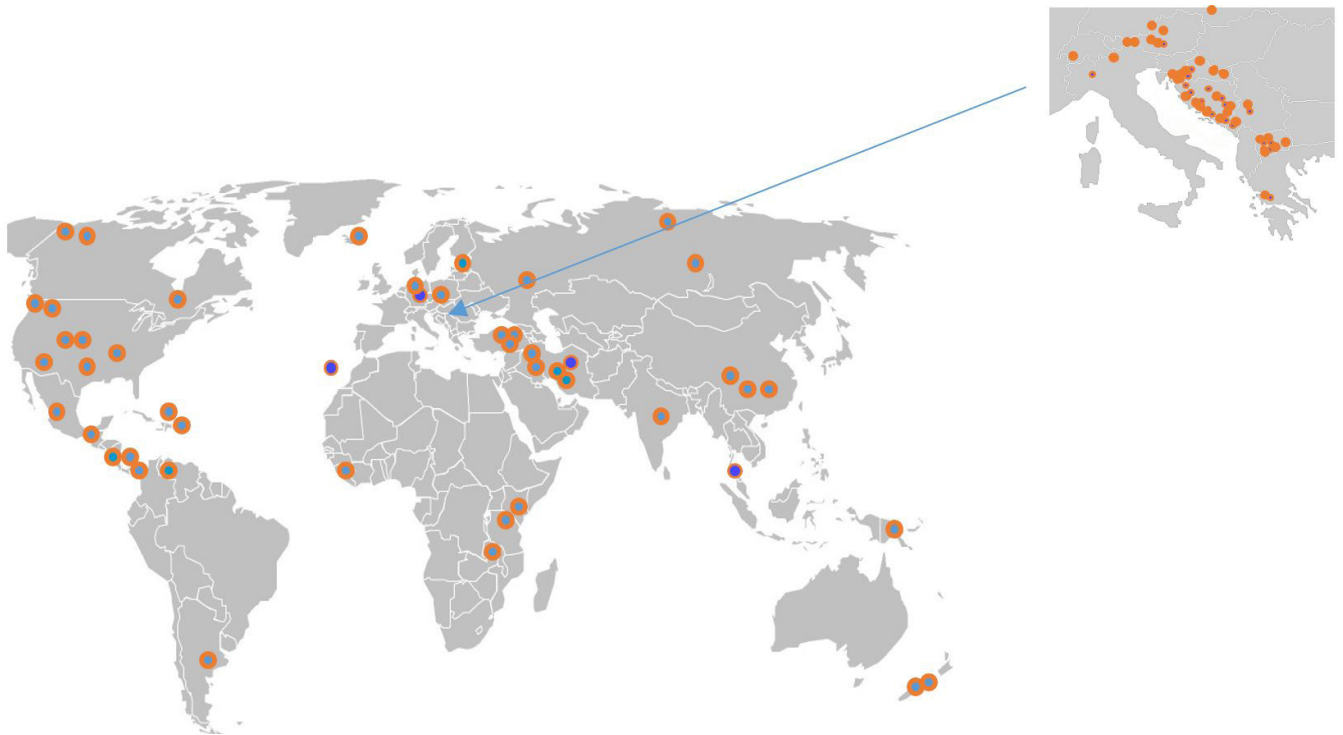


Small Hydro Power Plants

- Water to wire HPP electromechanical equipment design and engineering
- Control and governor equipment design and production
- Complete Hydropower project & plant development (BOT, EPC)

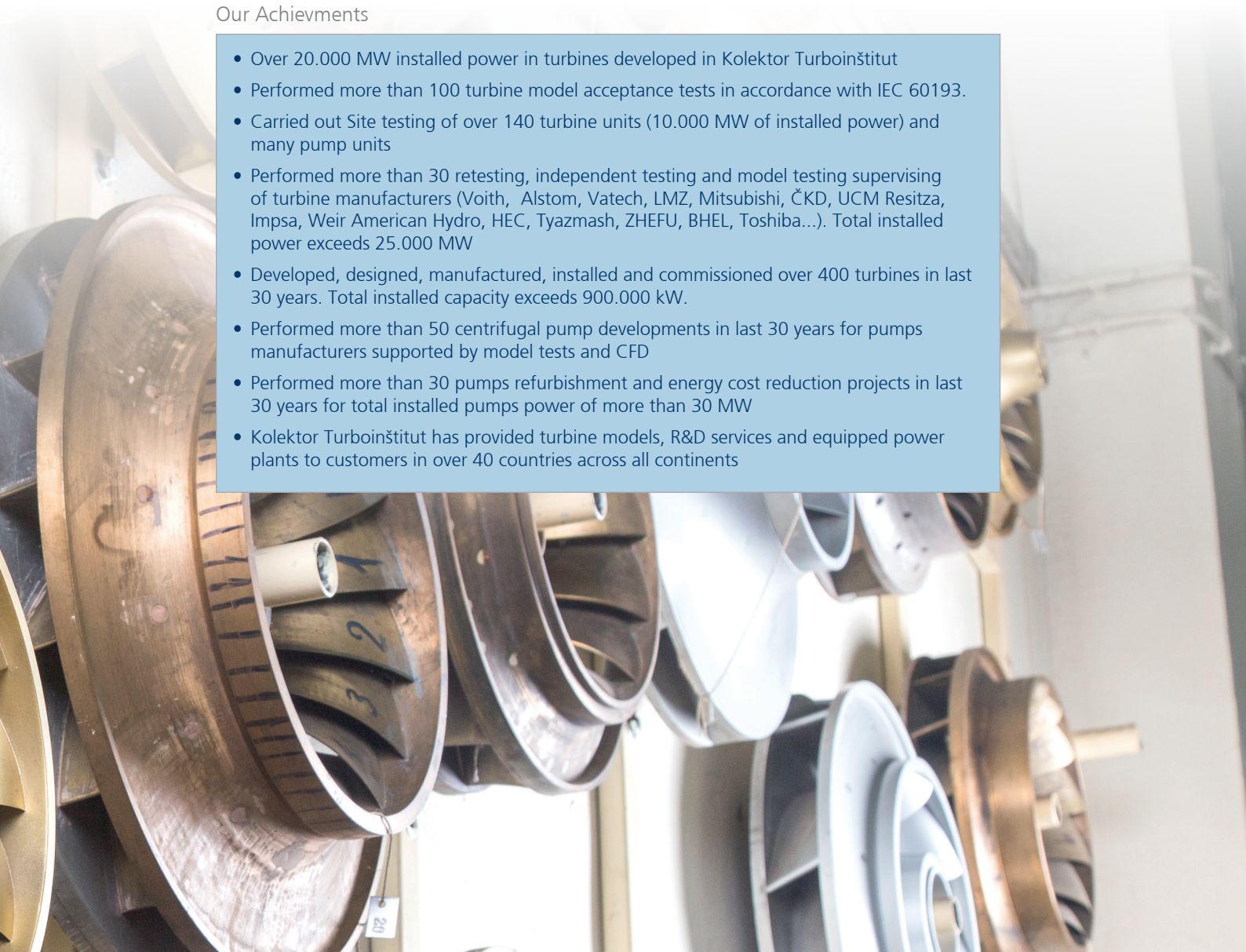


World map TI location and references



Our Achievements

- Over 20.000 MW installed power in turbines developed in Kolektor Turboinstitut
- Performed more than 100 turbine model acceptance tests in accordance with IEC 60193.
- Carried out Site testing of over 140 turbine units (10.000 MW of installed power) and many pump units
- Performed more than 30 retesting, independent testing and model testing supervising of turbine manufacturers (Voith, Alstom, Vatech, LMZ, Mitsubishi, ČKD, UCM Resitza, Impsa, Weir American Hydro, HEC, Tyazmash, ZHEFU, BHEL, Toshiba...). Total installed power exceeds 25.000 MW
- Developed, designed, manufactured, installed and commissioned over 400 turbines in last 30 years. Total installed capacity exceeds 900.000 kW.
- Performed more than 50 centrifugal pump developments in last 30 years for pumps manufacturers supported by model tests and CFD
- Performed more than 30 pumps refurbishment and energy cost reduction projects in last 30 years for total installed pumps power of more than 30 MW
- Kolektor Turboinstitut has provided turbine models, R&D services and equipped power plants to customers in over 40 countries across all continents



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