PROTUR | PRECESSION ROLLING TURBINE

Built in the Czech Republic. Serviced anywhere.

We manufacture bladeless micro hydro turbines in the Czech Republic, and install and service them anywhere in the world, or build them with you, in your country.

DOZENS OF TURBINES INSTALLED · CZECH REPUBLIC · UKRAINE

Three ways to work with us.

Supply & install

Made in our Czech production, installed and commissioned by our team, serviced under warranty and after.

Joint venture & local production

We transfer the know-how, train your engineers and set up assembly in your country, with our quality control.

Programmes & pilots

With governments and development partners: measure the water, run a pilot, then scale.

Production & service

Made in the Czech Republic

Developed and manufactured in our own production in the Czech Republic.

Installed and serviced worldwide

We manufacture, install and service PROTUR anywhere in the world.

Local production with partners

With partners we set up production in their country and transfer the know-how.

Selected installations

Miškovice WWTP
Prague · wastewater treatment plant · Czech Republic
2 TURBINES

Kryvbasvodokanal
Kryvyi Rih · backup power · Ukraine
20 TURBINES

Měšice u Prahy
Czech Republic
1 TURBINE

Prunéřov Power Plant
ČEZ Group · treatment plant outflow · Czech Republic
2 TURBINES

Historic mill
Autonomous supply · since 2022 · Czech Republic
1 TURBINE

Patents

Precession fluid turbine: Czech priority of 16 September 2016, inventor Miroslav Sedláček. Granted in: European patent (EP 3513057 B1), Czech Republic (CZ 306587 B6), Czech Republic (CZ 30233 U1), China (CN 109952427 B), Russia (RU 2731502 C1), South Africa (ZA 2019/00969), Brazil (BR 112019004687 B1), New Zealand (NZ 751534 B2).
European Inventor Award 2016 finalist. Miroslav Sedláček, inventor of the PROTUR principle, was one of three finalists in the Research category of the award given by the European Patent Office.

Models

PROTUR 300

For the lowest heads

REQUIRED HEAD	FLOW PER TURBINE
0.6–2.2 m	35–40 l/s
KW OUTPUT	KWH PER DAY
0.12–0.43 kW	3–10

PROTUR 600

For industry and larger flows

REQUIRED HEAD	FLOW PER TURBINE
1–2.2 m	80–100 l/s
KW OUTPUT	KWH PER DAY
0.49–1.0 kW	12–24

Contact

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