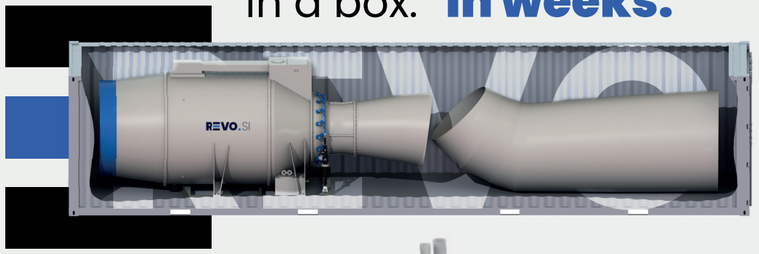
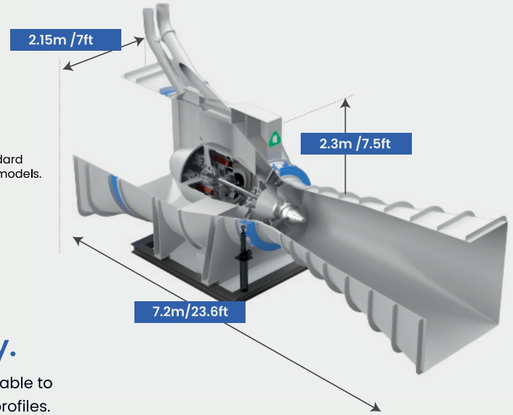
It ships in a box. **It starts in weeks.**





Size reference for REVO D900 | 40ft standard container. Check for details on specific models.

Scalability: The REVO Family.

A standardized solution adaptable to a wide range of hydrological profiles.

Available Runner Diameters	Electrical Power Range	Hydraulic Head Range
23in to 51in	30 kW to 1.400 kW	10ft to 65ft

REVO

Meet the REVOlution.

www.hackerhydro.com
info@hackerhydro.com

HACKER

Headquarters:
Rod. SC 480 Km 82,5 Vila Hacker,
89820-000, Xanxerê - Santa Catarina
Brazil

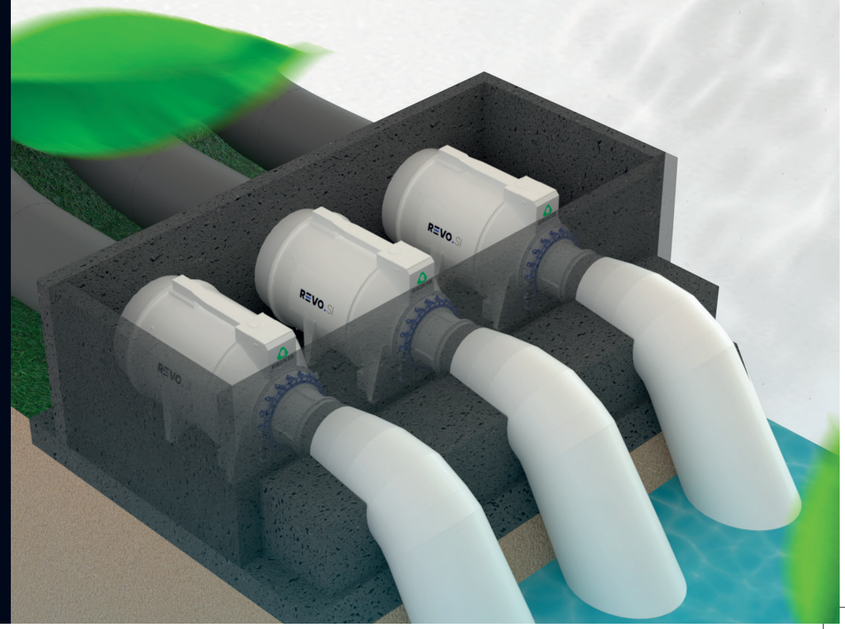
hackerindustrial
hacker-industrial-ltda

US Subsidiary:
Hacker Hydro LLC
1711 Amazing Way Ste, 213
Ocoee FL 34761

hackerhydro

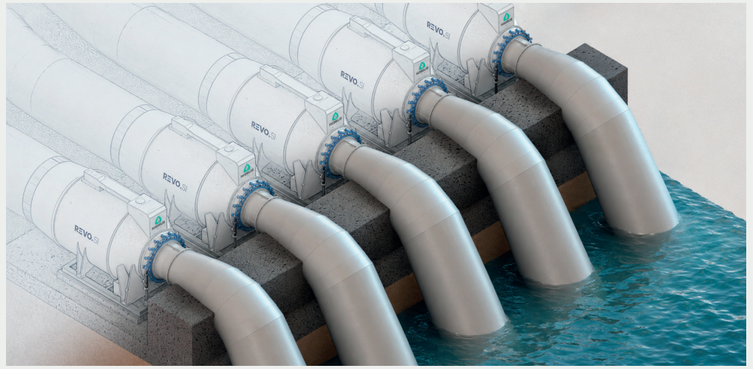
Meet the REVOlution.

REVO



Dams that hold water, **But make no power.**

Worldwide, the vast majority of existing dams, weirs and irrigation structures were never built to generate electricity. They already have the head, the flow, the reservoir and the access roads. What has always been missing is a turbine simple enough to justify the investment.



Low cost
A standardized, compact module replaces traditional turbines. Cost per installed kW drops to a level that makes small potentials viable.

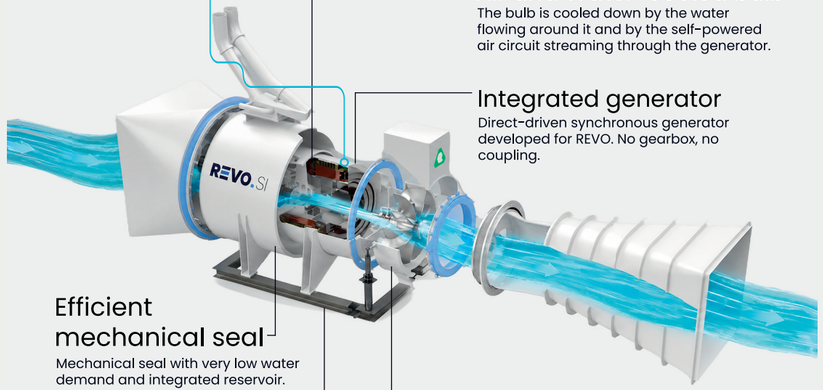
Minimum civil works
No powerhouse building, no crane hall, no large concrete blocks. One steel frame carries the whole unit and its bolted onto the floor.

Simple logistics
For most size models, the unit leaves the factory completely assembled in a standard container and arrives ready to be set in place.

Fast construction
Weeks instead of seasons. Multiple units can be added in line as the site or the budget grows.

All-in-one. **Nothing left on site.**

Runner, distributor, bearings, hydraulic power unit and generator are assembled and tested inside a single compact bulb carried by one steel frame. What arrives on site is a full machine, not a kit of parts.



Monitoring and control
A programmable controller with protection and control relays, speed governing and voltage regulation in a single compact enclosure, mounted in the plant control panel (local and remote operation available).

Air and Water-cooled bulb
The bulb is cooled down by the water flowing around it and by the self-powered air circuit streaming through the generator.

Integrated generator
Direct-driven synchronous generator developed for REVO. No gearbox, no coupling.

Efficient mechanical seal
Mechanical seal with very low water demand and integrated reservoir.

Self-standing skid
Strong and durable frame supports and holds the entire unit to the ground with little civil structure.

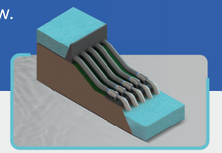
Built-in HPU
Hydraulic power unit inside the turbine body; adjustable distributor for start-up and flow control.

Customizable

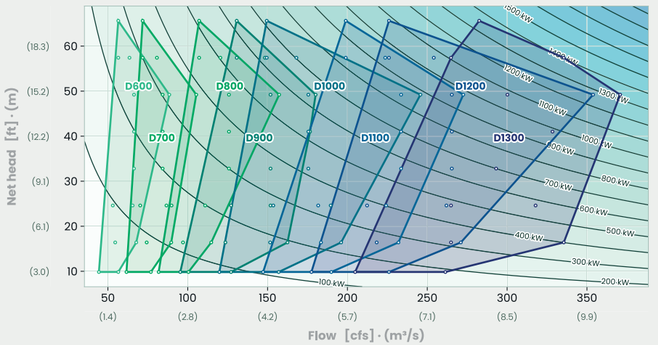
REVO units are configured to the project: enclosure type, generation voltage and protection scope are defined at quotation. Electrical acceptance is obtained through field evaluation by an accredited NRTL on the installed unit.

One family, **eight runner sizes.**

Every REVO unit shares the same architecture and the same installation logic, with sizes varying from runner diameter 600mm to 1300mm. Units can be set under the tailwater level (straight draft tube) or above tailwater level (curved draft tube) with varying arrangements depending on head and flow.



Operating Range



Model Summary

MODEL	RUNNER DIAMETER	NET HEAD	FLOW RANGE	RATED OUTPUT
D600	**23.6 in** 600 mm	**9.8 – 65.6 ft** 3 – 20 m	**44.4 – 88.5 cfs** 1.26 – 2.50 m³/s	**32 – 317 kW** 43 – 425 hp
D700	**27.6 in** 700 mm	**9.8 – 65.6 ft** 3 – 20 m	**61.6 – 105.4 cfs** 1.75 – 2.98 m³/s	**44 – 378 kW** 59 – 506 hp
D800	**31.5 in** 800 mm	**9.8 – 65.6 ft** 3 – 20 m	**81.8 – 157.3 cfs** 2.32 – 4.45 m³/s	**59 – 564 kW** 79 – 756 hp
D900	**35.4 in** 900 mm	**9.8 – 65.6 ft** 3 – 20 m	**95.3 – 180.1 cfs** 2.70 – 5.10 m³/s	**68 – 646 kW** 92 – 866 hp
D1000	**39.4 in** 1000 mm	**9.8 – 65.6 ft** 3 – 20 m	**119.8 – 245.7 cfs** 3.39 – 6.96 m³/s	**86 – 881 kW** 115 – 1181 hp
D1100	**43.3 in** 1100 mm	**9.8 – 65.6 ft** 3 – 20 m	**147.2 – 272.5 cfs** 4.17 – 7.72 m³/s	**106 – 977 kW** 142 – 1310 hp
D1200	**47.2 in** 1200 mm	**9.8 – 65.6 ft** 3 – 20 m	**177.5 – 353.8 cfs** 5.03 – 10.02 m³/s	**127 – 1268 kW** 171 – 1701 hp
D1300	**51.2 in** 1300 mm	**9.8 – 65.6 ft** 3 – 20 m	**204.8 – 370.8 cfs** 5.80 – 10.50 m³/s	**147 – 1403 kW** 197 – 1881 hp

Standard voltage: 300v - 480v Frequency: 60Hz