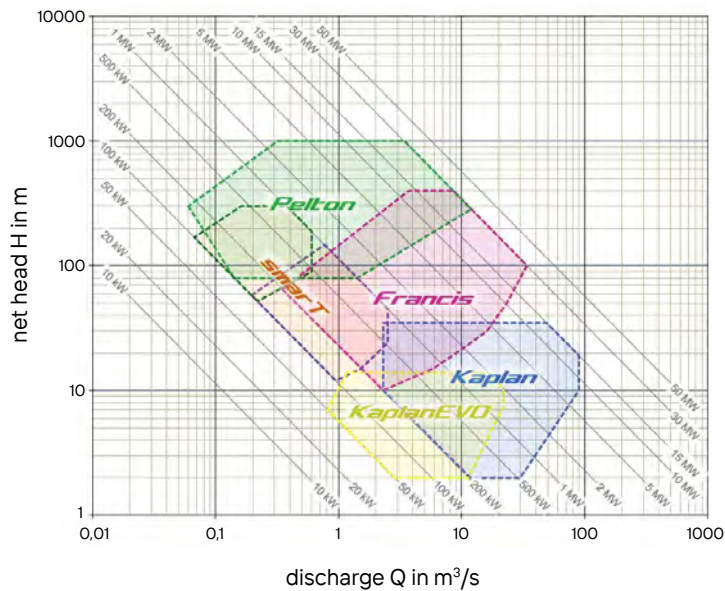


Your powerplant but better

- Compact and modular design with less moving parts
- Fish-friendly
- Water lubricated slide bearings
- Oil and grease free
- Integration into existing weir-structures
- Better regulation through wicket gate and speed regulation

Our new Kaplan solution can be used up to 14m head. This extends the „feasible“ operation range of Kaplan turbines.

H-Q-diagramm with turbine types:



Visionary power. Wherever you want.



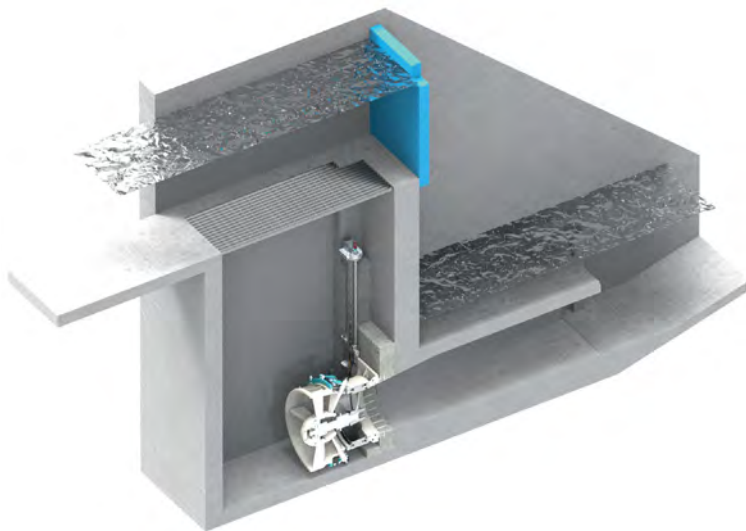
Kaplan EVOlution

Integrated innovation

This Global Hydro solution can be integrated into existing systems, which means that old or inactive power plants can be reactivated at low cost.

The simple design of the civil structure also saves space and costs.

In addition, the housing is completely flooded: No noise emissions and no auxiliary and operation fluids are necessary.

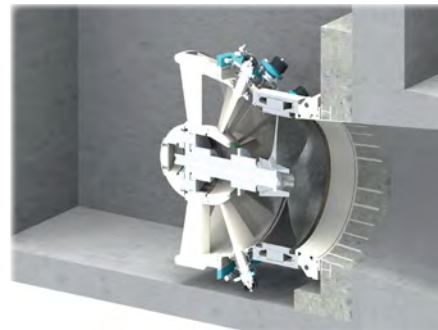
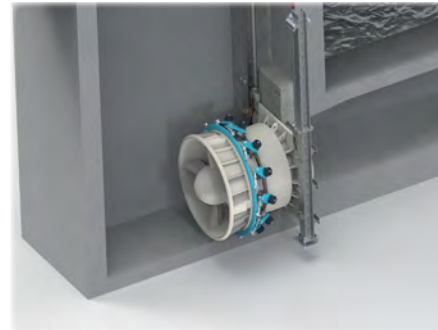


Installation example as shaft turbine

Reduced maintenance

Sealing systems causes the highest maintenance costs.

As the turbine is flooded and all components are in contact with water - no sealing system is needed. Your maintenance intervals will be significantly longer.

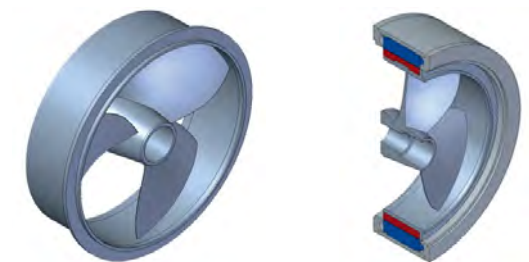
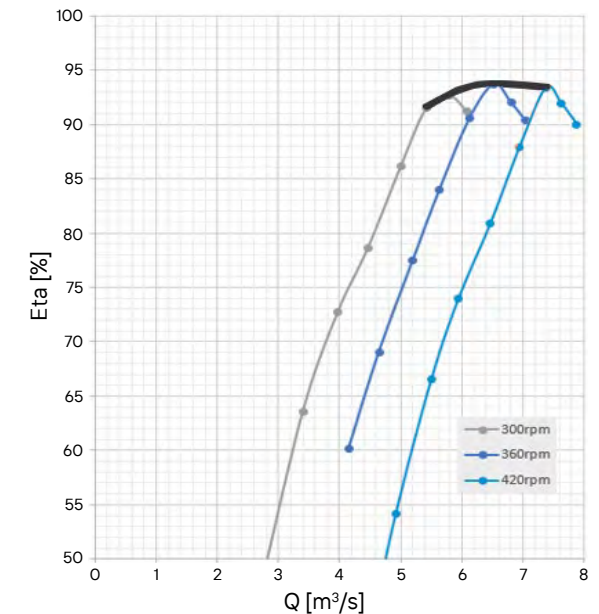


- Mounted in a frame, the whole turbine can be lifted for maintenance.
- No diver needed.
- No pumping equipment needed.
- In addition, the Kaplan EVO turbine can be installed horizontally and vertically.

Efficient sustainability

Global Hydro uses a double regulated system. In common Kaplan turbines the runner-blades can be adjusted. In the new solution speed and flow-regulation are used. This allows a high efficiency for a favourable price! By using additional turbine units, the operation range of the powerplant can be adjusted to the flow-duration curve.

Efficiencies are depending on project data and will be defined within the offer. The displayed graph is only illustrative.



Propeller runner with PM generator

