Designing and manufacturing of Kaplan turbines

Suitable for low heads and high flow applications; with achievable efficiencies of over 92% and with great flexibility. Siapro designs and manufactures **vertical- and horizontal-axis Kaplan turbines with rated power up to 5MW**. Fixed, single or double regulation for the best flexibility is available. We offer proven technology for the best energy yield results.

Your **main benefits** when choosing a Siapro turbine:
- Own design and production, wide choice of configurations (horizontal/vertical axis; fixed, single or double regulated)
- 3D modelling for perfect design
- 3D, 5-axis CNC machining for perfect manufacturing
- Different material choices for runners to achieve the best cost-benefit result
- Reliable, standard industrial components for a high lifetime expectancy.
The Kaplan turbine made by Siapro is designed for the following conditions:

<p>| | |</p>
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<tbody>
<tr>
<td>Flow:</td>
<td>from 0,1 m³/s</td>
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<tr>
<td>Net head:</td>
<td>from 1,5 m</td>
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<tr>
<td>Rated power:</td>
<td>up to 10 MW</td>
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3D modelling
- Quality starts already with the design.

Main characteristics, production and commissioning:
- A wide range of configurations
- CNC machined or welded runners to meet all budgets
- Turnkey project supply, including the control system and grid access solutions
- A standardised manufacturing process to secure high quality of the end product
- Turbine efficiencies of turbines from 85 to 92%.

Siapro has more than 25 years of experience. We offer consulting, engineering services, production and implementation. Numerous reference projects are a reflection of trust in our services and products. We also provide Francis, Pelton, and Crossflow water turbines.

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