Designing and manufacturing of Pelton turbines

Suitable for high heads and small flows, and with a wide range of operation, the Pelton Turbine is the best choice for small hydro power plants with such site pre-conditions. Siapro designs and manufactures both vertical- and horizontal-axis Pelton turbines with up to 10 MW. Proven technology for the best energy yield results.

Your main benefits when choosing Siapro turbine:
- **Our own design and production**, wide choice of configurations
- 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
- Special heat treatment of runners for very high heads
- Reliable, standard industrial components for a high lifetime expectancy.
The Pelton turbine made by Siapro is designed for the following conditions:

<table>
<thead>
<tr>
<th>Flow:</th>
<th>from 10 l/s</th>
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<tbody>
<tr>
<td>Net head:</td>
<td>from 70 m</td>
</tr>
<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 with 1 to 6 nozzles
- CNC machined or welded runners to meet all budgets
- Turnkey project supply, including the control system and grid access solutions
- A standardized manufacturing process to secure high quality of the end product

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, Kaplan, and Crossflow water turbines.