**Extension PtG electrolysis**

<table>
<thead>
<tr>
<th>Description</th>
<th>Increase in performance and expansion to two stacks</th>
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</thead>
<tbody>
<tr>
<td>Technology</td>
<td>Alkaline pressure electrolysis</td>
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<tr>
<td>System pressure</td>
<td>16 bar</td>
</tr>
<tr>
<td>Electrical power</td>
<td>Expansion from 300 kW\textsubscript{el} to 2 x 500 kW\textsubscript{el}</td>
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<tr>
<td>Hydrogen quantity</td>
<td>approx. 200 Nm\textsuperscript{3}/h</td>
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</tbody>
</table>

**Special features/scope:**

- Adaptation of entire BoP to increased power and two stacks that can be used separately or simultaneously usable stacks, i.e.
  - Integration of additional rectifier & transformer
  - Construction of separate caustic circuits per stack (pumps, piping, fittings, etc.)
- Modification gas separator
- Adaptation / Extension Sensors & Actuators
- Software adaptation / extension (Siemens PCS7)

**Information & Contact**

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