Are you meeting discharge limits today, will you meet them tomorrow?

Have you optimised your water treatment systems?

Are you using the latest water treatment technology?

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**WHEN IT COMES TO WATER TREATMENT, WE ARE IN OUR ELEMENT.**

Enhydra is an oil industry process company specializing in the fields of produced water treatment and water injection systems. Our core business is the supply of process engineering and internals for produced water systems, water injection systems and sand management systems.

Enhydra’s services include system studies and reports, site surveys, equipment pilot trails and rental units.

Enhydra’s engineers have worked in the fields of produced water and water injection systems for over 30 years, continuously involved in every aspect of the core technology from R&D, detailed design, equipment manufacture through to commissioning and operation.

www.enhydra.co.uk
Enhydra provide consultancy and system studies for existing process equipment. We deliver practical reports, identifying process improvement solutions and recommending the best technology for the application.

**Process Design, Internals and Guarantee**
- Fabrication local to end user or project
- Trusted and preferred suppliers
- Increased local content
- Cost effective solutions
- New markets and products

Enhydra supply our technology partners with process design, key internal equipment and process guarantee for PWT and WI systems.

**System Studies and Site Services**
- System studies
- Healthcare plans
- Debottlenecking
- Equipment trials
- Fast track upgrades
- Retrofit equipment
- New equipment

Enhydra provide consultancy and system studies for existing process equipment. We deliver practical reports, identifying process improvement solutions and recommending the best technology for the application.

**Rental and Pilot Units**
Enhydra provide a full range of trial and rental equipment which can be deployed at short notice for use in operations such as:
- Well testing
- Early production systems
- Maintenance activities
- Production profiling
- Temporary solutions

**Available technology includes:**
- Deoiling hydrocyclones
- Desanding hydrocyclones
- Compact flotation
- PS85 oil absorption filters
- Sand treatment
Enhydra is one of the most prolific suppliers of expertise and equipment for Produced Water Treatment and Water Injection Systems in the world. We have worldwide project experience with all the major oil companies. Enhydra is one of the few companies that provide the full range of PWT and WIS technologies:

### Produced Water
- Corrugated plate interceptors
- LL15 deoiling hydrocyclones
- Desanding hydrocyclones
- Vortixx® compact flotation unit
- Induced gas flotation
- Mercury removal
- PS85 oil absorption media
- Nutshell filters

### Sand Management Systems
- Wellhead desanders
- Vessel desanding systems
- Sand washing systems

### Water Injection
- Multi media filters
- Vacuum deaeration tower
- Vacuum pump packages

### Technology Comparison

<table>
<thead>
<tr>
<th>Technology Comparison</th>
<th>Target or Typical Performance</th>
<th>Pressure Range</th>
<th>Inlet Loading</th>
<th>Residence Time</th>
<th>Duty</th>
<th>Typical Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrugated Plate Interceptors</td>
<td>100 ppm OIW</td>
<td>Low to medium</td>
<td>High</td>
<td>High</td>
<td>Primary</td>
<td>Onshore</td>
</tr>
<tr>
<td>LL15 Deoiling Hydrocyclones</td>
<td>25 ppm OIW</td>
<td>Medium to high</td>
<td>High</td>
<td>Low</td>
<td>Primary/Secondary</td>
<td>Both</td>
</tr>
<tr>
<td>Vortixx® CFU</td>
<td>10 ppm OIW</td>
<td>Low to medium</td>
<td>Medium</td>
<td>Low</td>
<td>Primary/Secondary</td>
<td>Offshore</td>
</tr>
<tr>
<td>Induced Gas Flotation</td>
<td>10 ppm OIW</td>
<td>Low to medium</td>
<td>Low</td>
<td>Medium</td>
<td>Secondary/Polishing</td>
<td>Both</td>
</tr>
<tr>
<td>PS85 Oil Absorption Media</td>
<td>1 ppm OIW BTEX</td>
<td>Low to medium</td>
<td>Low</td>
<td>Low – Cartridges High – Bulk Bed</td>
<td>Polishing</td>
<td>Both</td>
</tr>
<tr>
<td>Desanding Hydrocyclones</td>
<td>10 – 40 micron solids</td>
<td>Medium to high</td>
<td>High</td>
<td>Low</td>
<td>Primary/Secondary</td>
<td>Both</td>
</tr>
<tr>
<td>Nutshell Filters</td>
<td>5 ppm OIW 5 – 10 micron solids</td>
<td>Low to medium</td>
<td>Low</td>
<td>High</td>
<td>Polishing</td>
<td>Onshore</td>
</tr>
<tr>
<td>Sentinel Filter</td>
<td>5 ppm OIW 2 micron solids</td>
<td>Low to medium</td>
<td>Low</td>
<td>Medium</td>
<td>Polishing</td>
<td>Both</td>
</tr>
</tbody>
</table>

Actual product performance will vary depending upon process conditions. This table should be used as a guide only. For specific application contact Enhydra.