



We use **innovation** and **technology** to synthesize dispersions that remove insoluble contaminants from water in a cost efficient and ecological way.

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Water Insoluble-Dispersion WID-OiW

Highlights

- ✓ Removing oil and non-soluble contaminants from water in **under 3 min**
- ✓ OiW reduced from 5.000 ppm to **< 10ppm**

Product description

Our **Water Insoluble-Dispersion (WID)** product range is a dispersion specifically engineered for the removal of non-solvable organic and inorganic contaminants from water.

We have engineered a specific dispersion **WID-OiW** to encapsulate oil and associated contaminants found in production water.

Our Solution in 3 steps

1. **WID-OiW** is mixed into the produced water stream.
2. Oil, other contaminants and suspended solids are encapsulated and separate within 3 minutes.
3. Contaminants are removed by conventional equipment.

Our call to action

According to the CDP, 2.3 billion people now live in water-scarce areas, and over the last century, water use has grown at more than twice the rate of population increase, globally. The United Nations estimates a 40 per cent shortfall in freshwater resources by 2030, associated with a global population of 8.5 billion.

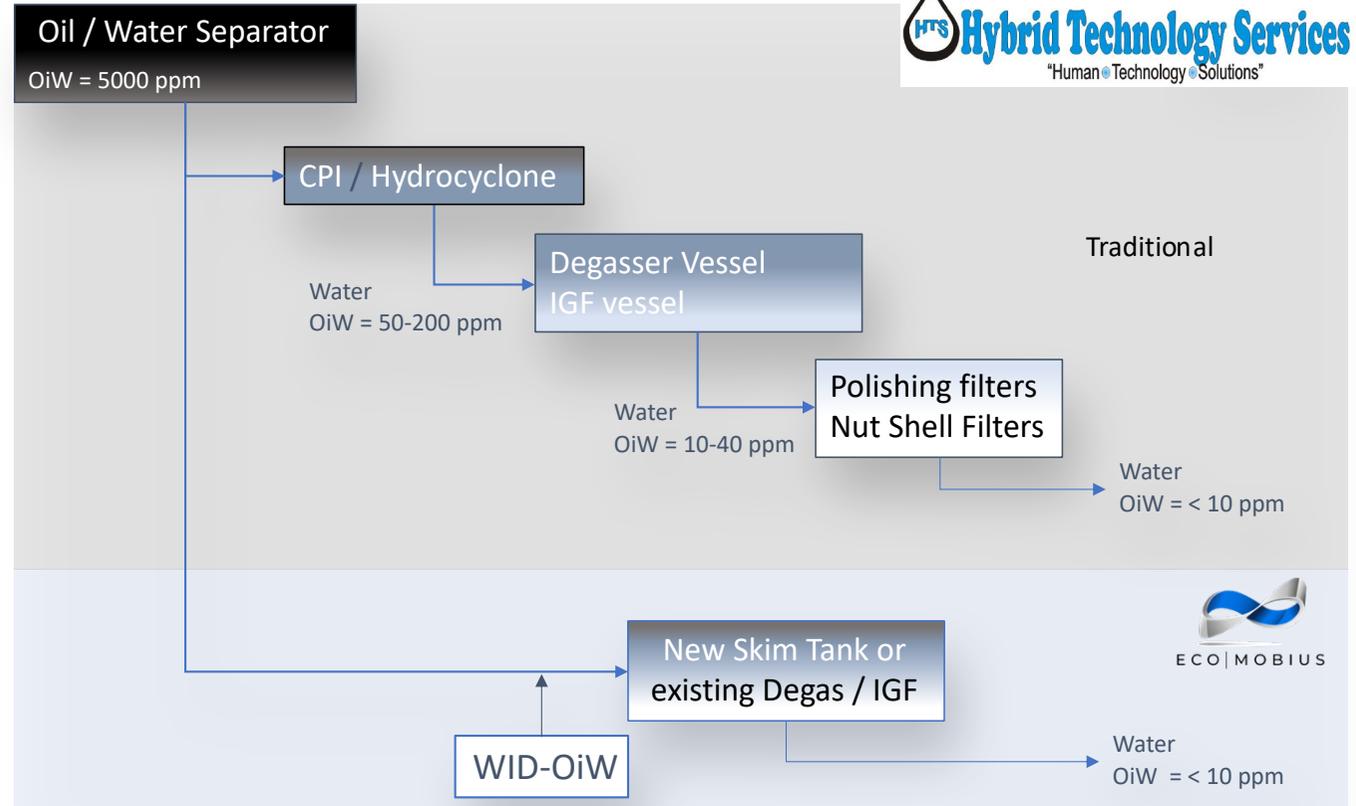
We are technology

We are a technology company using groundbreaking science to synthesise ecological dispersions that encapsulate organics, oils and non-soluble particles from wastewater. Removing hazardous materials from water ensures water can be reused for irrigation, eventual consumption or ecologically return to the environment.



The **WID-OiW** solution

- ▶ Stop installing equipment that's over or undersized and can not adjust to changes in production water over time.
- ▶ You need an economical solution that is compact, low weight with infinite turndown and scales effortlessly to your needs.
- ▶ Continue production without costly retrofitting of ageing technologies.
- ▶ Our solution is simple, efficient and cost effective reducing maintenance time, costly replacement of cumbersome technologies and avoids regular filter and media replacement on polishing systems.



Work with us

● Make contact!

●● Computational Analysis

●●● Sample test

●●● Pilot and scale test

●●● Full scale

1. Reach us by email contactus@hts-hts.com or give us a call.
2. An agreement is signed between parties to regulate confidentiality.
3. You send us feed water composition to be treated & desired discharge quality parameters.
4. Computational analysis is used to estimate the effectiveness of an engineered **WID-OiW** treatment.
5. Are we able to meet your expectations? We move forward to sample testing.
6. Contaminated and treated water is tested at your site or at one of our globally accredited labs should you not have facilities available.
7. Results are evaluated, did our **WID-OiW** exceed your expectations? Let's move forward to scale testing.
7. We work with you to scale up testing of **WID-OiW**.
8. Testing is complete outcomes evaluated; are you ready for full-scale system implementation?
9. We work with you to integrate **WID-OiW** treatment into your existing infrastructure or new installation.
10. As your trusted partner we ensure your supply of **WID-OiW**.