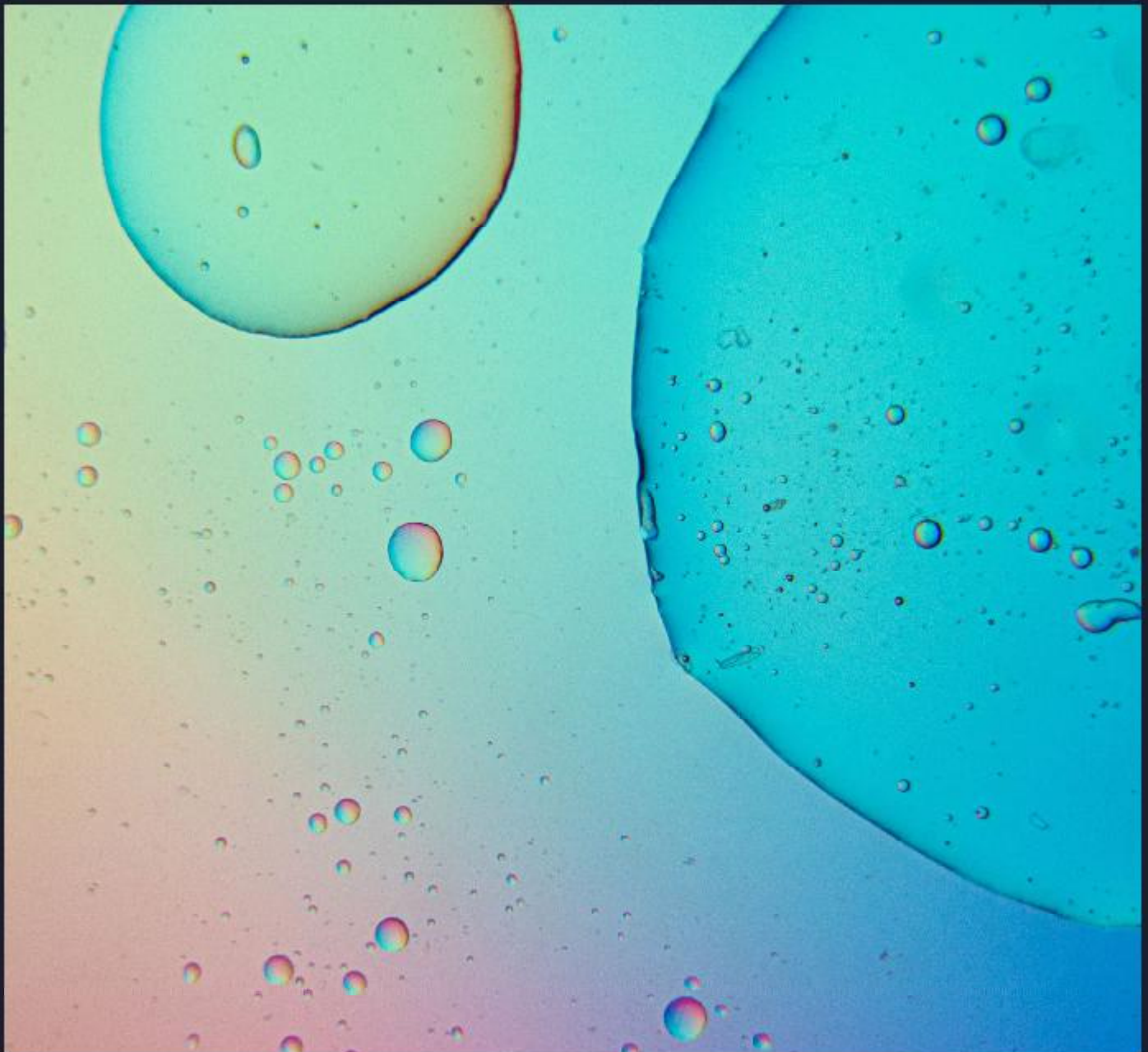




# Construction Brochure

Focused on improving the impact  
construction projects have on the  
surrounding environments.



## OSSO Values

AT OSSO, we foster a culture of openness, transparency and quality, working in partnership with our customers, supply chain and industry partners to help enhance project delivery while supporting long term environmental goals with high performance results.

### **Trust**

We believe in our people, knowledge, and our expertise.

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### **Integrity**

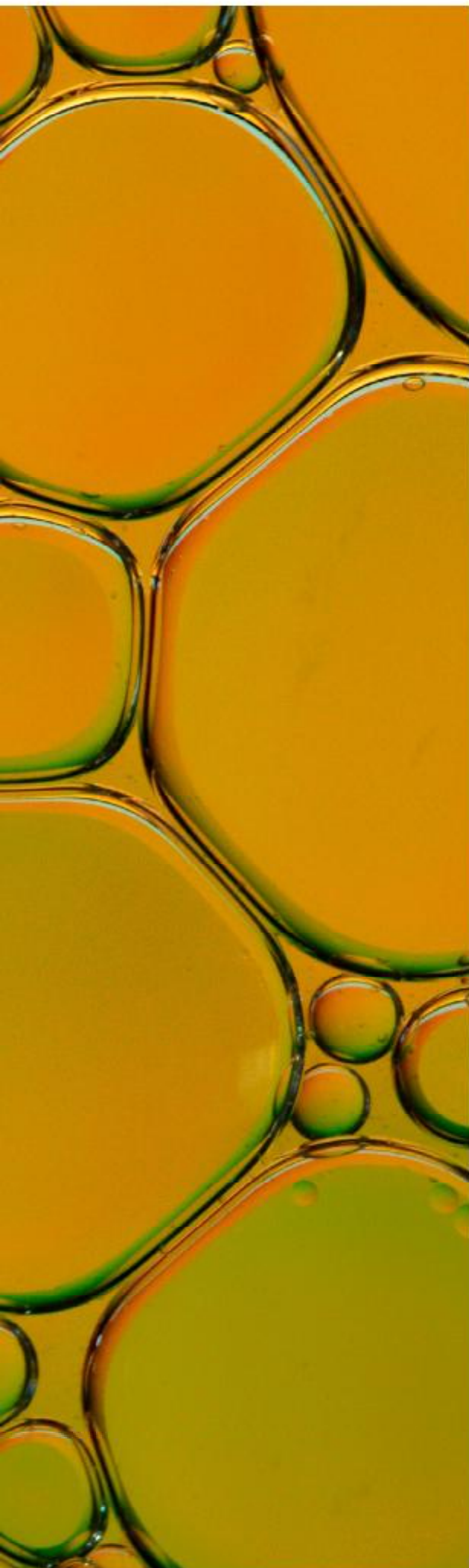
We are honest and transparent in everything we do.

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### **Commitment**

We are dedicated to health and wellbeing of our people and surrounding environments, and fiercely loyal to our customers.





### The Environment and Our People

The need to preserve our natural environment has never been more paramount.

Whether managing a construction project or an industrial process chain, minimising the environmental impact should be a key driver. The need to preserve our natural water resources has resulted in global mandatory requirements to manage all aspects of wastewater.

At OSSO we pride ourselves on our commitment to provide technical engineering solutions and rental equipment that is focused on improving the impact construction projects have on the surrounding environment.

# Years of learned knowledge and expertise

## Our Services

Our range of integrated and standalone services are enhanced by years of learned knowledge and technical expertise.



### Consultancy

- \_ Technical expertise
- \_ Fluid and fuel analysis
- \_ Design and development
- \_ OPD training



### Fluid Separation

- \_ Contained water treatment systems
- \_ Gravity settlement tanks
- \_ Mechanical dewatering systems (decanters, disk stack separators, filters)
- Extensive rental fleet



### Repair and Maintenance

- \_ Servicing
- \_ Repairs
- \_ Maintenance programmes

Constructing a Clear Future

At OSSO we are more than just a rental company we provide standardised solutions that are scalable to meet the requirements of any project. Our areas of expertise fall across four common water treatment challenges:



## Suspended Solids

## The difference is clear with OSSO's range of settlement systems

Waters laden with suspended solids ("silty water") can cause significant environmental damage to aquatic ecosystems if allowed to escape.

The treatment of such waters is determined by the settling characteristics of the solids within the influent waters and the discharge criteria that is trying to be achieved (how clear the water needs to be).

At OSSO, we have the technical expertise to fully understand your site-specific constraints and using the technology within our modular hire fleet, deliver a complete package for treating suspended solids, removing the challenges which excess silty water can bring.

### Product Solids Removal Tank (SRT10)

A 10T modular settlement tank which uses proven inclined lamella plate technology to remove solids down to 18 microns in size and a proportion of finer materials.

Regularly used on sites where discharging to sewer is permitted, our modular unit outperforms conventional baffle tank offerings, ensuring projects remain compliant with temporary trade effluent permits.

Fitted with a rake drive and sludge transfer pump as standard, the compact settlement tank makes the treatment of both groundwater and surface water effortless.



### Product Water Treatment System (WTS20)

The OSSO water treatment system (WTS20) is a purposefully designed, single lift, modular chemical pre-treatment system. The containerised unit is equipped with an automated chemical dosing system, reaction tanks, lamella clarifier and discharge monitoring system all integrated to form one complete treatment chain.

Housed in a 20ft. high cube shipping container frame, the unit is perfect for sites where space is a premium and the intake waters are laden with slow settling solids (clays and fine silts).



Concrete Wash Water

## Clean with confidence with OSSO's concrete washout system

The use of concrete is common on construction sites and a by-product of the equipment wash down processes are waste waters which are alkaline in nature (high pH water).

Harmful waste waters must be neutralised before they can be discharged to either sewer or surface watercourse (with appropriate permitting). Where these waters are being reused, neutralisation is recommended to avoid any environmental or human health implications associated with high pH waters.

OSSO's modular unit is designed to specifically treat concrete wash water.

### Product

#### Concrete Wash Down System

The concrete wash down system (CWDS) is a compact modular offering that allows you to clean down your concrete equipment, neutralise and recycle the wash water minimising off-site disposal and reducing the containment of large volumes of high pH waters on your site.

The alkaline water captured in the dewatering chamber is transferred into the treatment tank where you can choose to adopt either our

buffer solution mechanism or our automated CO<sub>2</sub> pH correction system, allowing for your sites preference.



Harmful waste waters  
must be neutralised before  
they can be discharged

## Oily Water Separation

# Improve the volume of waste streams by treating at source

Oily water is regularly encountered on brownfield construction sites as well as sites where fuel spills have occurred and will require specialised treatment.

The treatment of oily water can be complex with multiple parameters determining the correct treatment solution. Mechanical separation of oily water is deeply rooted within the OSSO business with our strong track record spanning decades across offshore and onshore projects laying testament to this.

We pride ourselves on being able to assess the application and deliver a mechanical separation treatment chain using our extensive fleet of decanters and disk stack separators.

### Product Superior Mechanical Separation Techniques

OSSO's provides superior mechanical separation techniques for handling oily water waste streams at source. Through a harmonious process of mechanical and specialised chemical separation, the goal of waste minimisation is realised by returning treated water back to the environment and recycling the oil phase where possible. Having been fully tested and utilised in the field, this proven approach has consistently lowered the ppm level of the hydrocarbon content in the water discharge to below regional legislation requirements.



OSSO  
OSSOLD.COM





[info@ossold.com](mailto:info@ossold.com)



[OSSOLD.COM](http://OSSOLD.COM)