



YOUR INDUSTRY LEADER



Engineering

Design

Construction

ABOUT

Orontide Hydrocarbon Solutions provide industry leading Engineering, Design, Construction, Maintenance and Consultancy Services.

We provide complete turnkey solutions from detailed design through to licensing with the relevant government bodies. Core industries that we support include Mining and Resources, Energy, Logistics, Infrastructure, Defence, Aviation and Marine.

Orontide Hydrocarbon Solutions is a division of Orontide Group Limited, a leading engineering services provider. Orontide offers over 40 years' experience along with significant operational and financial capacity across five sites in WA. The acquisition of Hydrocarbon Solutions by Orontide in 2020 was part of a strategic vision to diversify and grow the Orontide business. The integration of technical hydrocarbons expertise has enabled Orontide to provide a fully integrated service offering and broaden our coverage across key industry sectors.

Orontide Hydrocarbon Solutions are committed to developing safe, sustainable energy efficient solutions for the future.

We plan to utilise our technical expertise and resources to assist our clients in achieving their goals, whilst continuing our own journey to become a carbon neutral business.



OUR VALUES



Safety



Teamwork



Achievement



Integrity



Respect



Sustainability

TANKS

A range of safe, sustainable storage solutions are now available from Orontide. Our OT self-bunded tank range incorporates standalone, modular, off-the-shelf tanks in a variety of sizes designed and built for everyday use in the toughest of conditions. Self-bunded storage options are available for Diesel, ULP, Adblue (DEF), Lubricants, Coolant and Jet A-1.

Tank Farms

Our range of standard and custom self-bunded tanks can cater for any facility requirement. Our tanks range in sizes from 1kl – 200kl, all varieties can be manifolded and integrated to suit any application. Whether you require a variety of small tanks for a light vehicle workshop lubrication facility or a large combination of tanks for a heavy mining application, Orontide offer a full suite of services and products to meet your needs.

Bulk Tank Farms

Larger facilities require bulk storage and fast flow rates to minimise downtime and disruption to operations. Orontide design and construct bulk tank farms using our rectangular and cylindrical tank range to suit different budgets and end user requirements. Our designs are produced with safety and operability in mind with a key focus on eliminating working at heights and access issues for maintenance teams post installation.

Multi Compartment Tanks (MCT's)

MCT's are an innovative way of maximising storage in areas where space is limited. Standard sized tanks can be divided into smaller tanks (with multiple compartments) to allow for the storage of different products in the same tank. For example, 20kl of Engine Oil, 20kl of Coolant, 20kl of Transmission Oil and 40kl of Waste Oil can be stored in a single 100kl capacity tank with multiple compartments.

Tank Maintenance

All tanks need to be maintained, not only to ensure the system operates safely and efficiently, but also to ensure compliance with mandatory legislation and conformance to Standards. A well-maintained tank will last for decades and ensure the product stored is at the optimum level of cleanliness.

Orontide offer a full suite of services from statutory inspections, coating systems, shell repairs, valve testing and major upgrades, including floor and roof replacements on Vertical Storage Tanks.

Acknowledgement of Country

We acknowledge the traditional Custodians of the Lands on which we work and live, and recognise their continuing connection to land, water and communities.

[View our RAP](#)



Safe, Sustainable, Storage Solutions



ENGINEERING

We are extremely client focused and pride ourselves on tailoring engineering and consultancy services for you and your business needs. Our team comprises chartered engineers and dangerous goods consultants to ensure a comprehensive and all-inclusive outcome is achieved.

Dangerous goods risk assessment & licensing

Our engineering team can assist you with new applications or amendments to your existing Dangerous Goods Licence. We also offer all necessary documentation and drafting services.

Complete detailed design services including 3D modelling & drafting

With a team of dedicated drafters, designers and modelers, we are able to assist in the design of a new facility or process plant, down to updating hazardous area plans or documenting format conversions. Our team specialise in CAD systems such as SolidWorks and AutoDesk.

HAZOP facilitation and detailed design review

Engage our highly qualified and experienced team to facilitate your HAZOP's. We can provide suitable facilities for large gatherings or alternatively provide a facilitator and scribe on your premises. The engineering team can assist in third party design reviews and provide specialist independent services including site visits and sign offs.

Project management and advisory services

If you need to be sure a project will be delivered on time and under budget, engage our PM's and SMEs to mitigate any risk with complex projects. The team have a wealth of experience assisting and delivering projects both client and contractor side.

Specialist commissioning services including documentation

The team have successfully commissioned some of the most complex hydrocarbon facilities with a perfect safety record. Commissioning activities

are high risk and require meticulous planning and preparation. We can assist in the development of documents and risk assessments through to final delivery and site execution.

Development of operation & maintenance plans with onsite training

Every facility is somewhat different to the next. The team at Hydrocarbon Solutions can provide you with specific documentation and training on the operability of new plant and equipment. Maintenance is critical, we develop specific maintenance plans for your facility and provide onsite training sessions and fault diagnosis demonstrations.

Hazardous area classification and inspections

Working with dangerous goods usually brings about an element of hazardous area compliance. Our team of engineers and technicians offer a broad range of services from inspections and compliance documentation through to whole system design and dossier development

PLC & SCADA design and engineering

From minor PLC and SCADA upgrades to holistic system architecture design, supply, installation and commissioning, we have the capability to provide the complete package



HYDROCARBONS

We excel in providing complete turnkey solutions in the Hydrocarbon space. This is complimented by our involvement in some of the most exciting and successful projects throughout Australia and beyond in recent years.

Design & construction of bulk fuel and lube facilities

Multi-disciplined design and construction specialists, our team have the capability to provide complete turnkey solutions on projects of any scale. Our strengths lie in the true understanding of complex hydrocarbon facilities. We are able to merge the electrical and mechanical engineering requirements seamlessly, yielding high-quality results.

Supply and installation of Fuel Management Systems

FMS play a pivotal role in any facility. The accurate reconciliation and authorisation of products is critical. The Hydrocarbon Solutions team have extensive experience with a vast array of systems and work closely with the world's leading brands. We can assist with installation- and maintenance-only services, as well as turnkey solutions including detailed design, commissioning and network integration.

Design, supply and installation of filtration systems

Most filtration systems include a level of mechanical, electrical and structural engineering. The multi- faceted skill set required to complete such systems is the core of our business. We guide projects from an idea to a functioning facility, with a clear and concise path of communication.

Pump sizing calculations and specifications

Correct selection of pumping equipment is sometimes overlooked. Every key engineering decision is accompanied by detailed calculations and reports if required, ensuring the most appropriate hardware and software solution is obtained to fit specification requirements.

Rail loading and offloading facilities

Locomotive and rail car fueling activities are intricate. Knowledge in the space is critical to ensure a safe system is produced that functions as required. Our team have copious amounts of experience in rail fueling facilities.

Aviation facilities

The refueling of aircraft is a highly regulated operation and most systems require dangerous goods licensing and hazardous area dossiers. High risk facilities are our forte, with a team of highly qualified and experienced project managers, engineers and technicians, we guarantee great results.

Skid mounted equipment specialists

The benefits of modular skid frames have become more apparent in recent years. Orontide Hydrocarbon Solutions specialise in skid mount equipment, bringing together the complex parts of a system to a common modular skid that allows for seamless onsite installation. The benefit of skid mounted infrastructure is the ability to test major components prior to deployment onsite and ease of maintenance thereafter.

“Engaging Orontide to manage a major refuelling infrastructure project proved to be a decision with significant benefits for our business. Their expertise and planning resulted in a successful outcome despite having to negotiate difficult and challenging circumstances that created additional time pressures to complete the work on schedule. Thanks to Orontide, we now have an up-to-date, compliant and safe rail refuelling solution that will hopefully provide a reliable service to our business for many years to come.” SCT Logistics



WATER

Whether it is for potable, fire or waste, we can provide the necessary design, installation, commissioning and maintenance service for any water application to client specifications and requirements.

Pumping & metering solutions

Be it for potable water, fire or waste water, we can provide the necessary design, installation, commissioning and maintenance services. Most applications require instrument commissioning. Our technicians are able to commission, calibrate and service flow meters, transducers, RTDs, level gauges, flow switches, etc.

Pressure regulated control systems

The use of pressure transmitters and variable speed drives goes hand in hand with pressurized fluid transfer systems. Our engineering team understand the industry requirements to ensure safe operation and compliance with the appropriate and current legislation.

Wash down facilities for both light and heavy vehicles

More commonly in mining applications, we provide a selection of services to assist in the cleaning of plant of all sizes. From tanks to nozzles, we can assist in the design and selection of pertinent equipment.

Existing systems which require improvements and upgrades can also be serviced and where required, detailed audits and recommendations for improvement will be communicated.

Oily water systems

The recycling and cleansing of hydrocarbons is critical to the environment. Our team has the knowledge and experience to ensure all reclaimed fluids are treated appropriately and in a responsible manner. We are specialists focused on oily water separators.

ELECTRICAL

We are fully licensed Electrical Contractors (EC 14472). Our in-house electrical team have extensive experience in the design, procurement, construction and maintenance of complex control systems in the Hydrocarbon space with a proven track record in delivering and maintaining these systems throughout Australia and overseas.

Detailed design

Designing electrical systems to suit client requirements and expectations can be a difficult process. Luckily, Hydrocarbon Solutions have developed and nurtured our current key personnel, harnessing their existing skill base to provide clear and precise communication throughout to deliver the best possible results. All our systems are designed ensuring compliance with the latest electrical safety standards and regulations, along with meeting client specifications and requirements.

Instrumentation selection, installation and commissioning

Critical process plant and equipment depend on the peripheral devices that report back invaluable data. When selecting instrumentation for particular applications, Hydrocarbon Solutions focus on accuracy, reliability and the need to work within clients' budget requirements. Our team have extensive experience selecting, installing, commissioning, calibrating and maintaining field instrumentation and associated systems.

Hazardous area installations and compliance

Specialist precautions are required for the construction, installation and use of potential ignition sources that could result in catastrophic consequences for people and property. Hydrocarbon Solutions offer services for Hazardous Area installation, testing and compliance, including inspections and reporting. Electrical equipment is suitably rated for the appropriate zone classification and effectively earthed to ensure that any ignition risk is mitigated.

Fuel Management System installation and commissioning

Fuel Management Systems offer instant savings and security, along with much improved supply chain management of product. Hydrocarbon Solutions have a specialist team that have supplied Fuel Systems for multiple global clients over the years. We have a solution for every need and to suit any budget.

Licence No. EC14472





Through our close relationship with Liquip West Coast, Orontide have been selected as a key industry partner with access to a range of high quality products available for existing and new clients. The new Liquip range will be a great addition to our tank offerings, allowing us to provide Hydrocarbon systems to suit your needs including pumps, flow meters, hose reels and valves.

Contact us for more information on our tank range, availability and service offering at [Orontide Hydrocarbon Solutions Enquiry](#)

