



Corporate brochure

Your Decarbonisation Testing & Advisory Services Partner

Embark on a journey towards sustainable and efficient operations with VPS, your Decarbonisation Testing & Advisory Services Partner. As a global leader in decarbonisation testing and advisory services, we stand at the forefront of innovation, guiding our customers towards optimal business performance while minimising environmental impact.

At VPS, we go beyond industry standards, offering a comprehensive suite of services to protect your assets, people, and the environment.

EXPERIENCE ► INNOVATION ► SUSTAINABILITY

Moving Forward

Leading the way for sustainable solutions

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Our heritage

From pioneers to leaders:

A legacy of excellence in marine fuel testing

In 1980, known then as DNVPS, we were the laboratory testing and advisory arm of Det Norske Veritas (DNV), the Norwegian classification organisation, and tested the very first marine bunker fuel sample on 18th November 1980. Our reputation as the pioneers and leaders in marine fuel testing grew, along with the introduction of our bunker quantity survey (BQS) service in 1987, where once again we were pioneers of this service.

Charting new horizons:

VPS expands services worldwide

In 2013 the entire DNVPS bunker fuel quality testing and bunker quantity survey business was carved out from DNV and developed as a stand-alone business renamed as VPS. Since 2013 VPS has further developed our maritime services, through both organic growth and acquisitions. In 2018, VPS made its first diversification into the Power sector with the acquisition of Transoil, a UK-based transformer oil testing company, followed by PGI Industries, a Singapore-based business providing similar services within South-East Asia.

Data-driven decarbonisation:

Navigating the future of emission reduction and efficiency goals

The drive to decarbonise global shipping, really gathered momentum leading up to and following IMO2020. VPS was at the forefront of testing and advisory services for new marine fuels such as, VLSFO, ULSFO and more recently biofuels and methanol, with VPS leading many developments within the new and alternative fuels space.

The maritime sectors drive towards digitalisation and data-driven decarbonisation, led to VPS acquiring Yxney Maritime in 2021 and Emsys in 2023, along with development of unique in-house data platforms and applications, plus advisory consultancy services. All of which has led to the formation of VPS Decarbonisation a dedicated business focused on assisting VPS customers achieve their emissions reduction and increased efficiency goals.

Our vision & values

Our purpose is to protect our customers assets, people and the environment. We do this via our testing and advisory services, using this information to provide advice based on legislative and technical specifications. Our guidance enables our customers to improve business performance by optimising their use of resources, minimising their environmental emissions and operating in a more sustainable manner.

Our vision is to be the global leader, utilising our fuel and oil testing and advisory services in our chosen sectors, trusted to deliver a sustainable future.

Our values guide us in all that we do and are the foundations of our company



Trust

We develop trust with our customers through our reliability and by acting ethically and with absolute integrity.



Independence

We are impartial and work objectively to the highest technical standards and accreditations.



Innovation

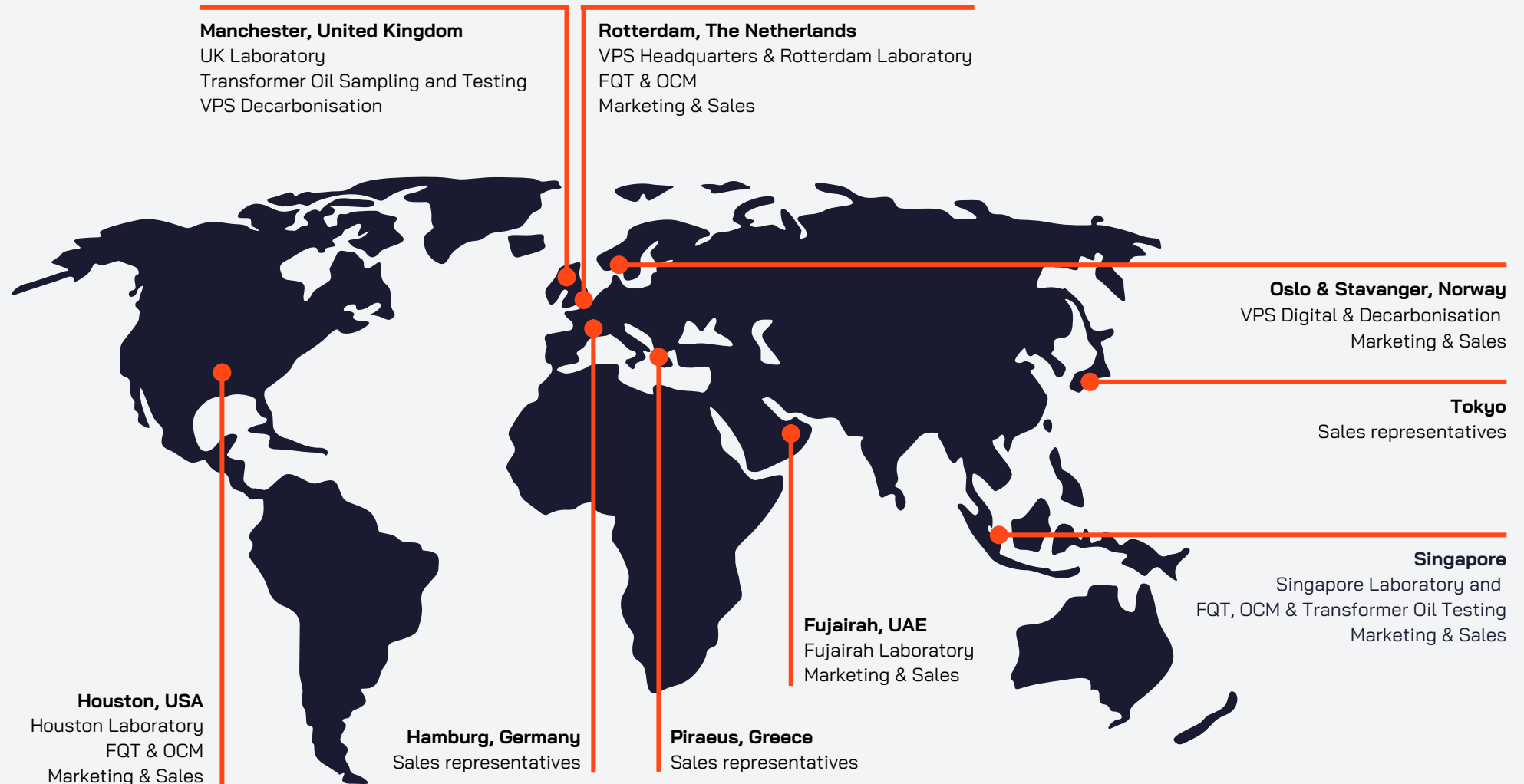
We apply our deep technical knowledge to continuously develop our capabilities and meet future challenges in a changing world. Our innovative thinking helps our customers stay on the right track.



Sustainability

We never compromise on safety during our operations and actively work to reduce our environmental footprint. The technical advice we provide enables our customers to operate in a safer and more sustainable.

Our global presence





Our services

Fuel Quality Testing (FQT)

Today, we operate the largest global network of laboratories dedicated to testing fuel and oils for the maritime sector from more than 200 ports worldwide. Our ISO17025 accredited laboratories located in, Rotterdam, Singapore, Houston and Fujairah, determine bunker fuel quality using the ISO8217 marine fuel specification standard and check compliance with IMO environmental regulations and SOLAS safety requirements.

As the world's leading marine fuel testing company, we have used our experience and expertise to innovatively develop many proprietary additional tests which provide further fuel quality information, both pre-burn and post-burn, to further support our customers' asset protection, human health and environmental compliance. Our additional fuel tests include, chemical contamination detection via proprietary GCMS and FTIR methodologies, Wax Appearance Temperature (WAT), Cold-Flow Properties, Reserve Stability Number (RSN), microbial growth testing, lubricity testing, as well as purifier efficiency monitoring through fuel system checks and advanced levels of customer support via our Additional Protection Service (APS).

Our experts combine chemistry and engineering knowledge to provide technical advice for optimal operational performance, reducing costs and environmental emissions on every voyage.

As fuels continue to develop in order to achieve carbon-neutral/carbon-free status, we are committed to innovation and provide testing and advisory solutions, for low-zero carbon fuels, such as biofuels and methanol.

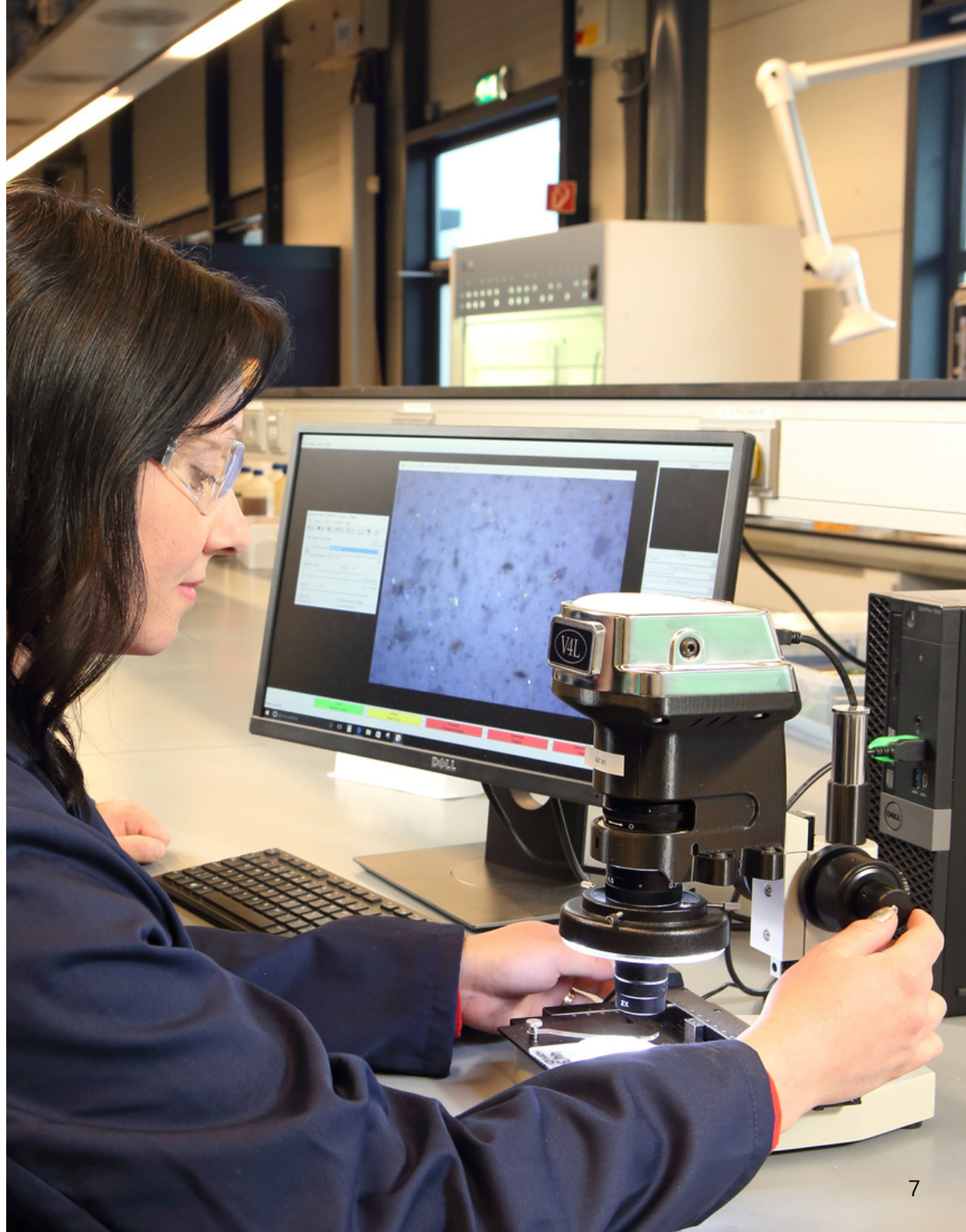
Our services

Oil Condition Monitoring (OCM)

We provide asset protection through our Oil Condition Monitoring service via laboratories in Rotterdam, Houston and Singapore. This service helps customers achieve maximum machinery and lubricant efficiency. This also protects the environment by ensuring efficient engine operation reducing GHG emissions.

Through enhanced reliability, users benefit from reduced operational and maintenance costs, improved equipment uptime and can drive maximum productivity from the machinery and its lubricant.

It is a proven loss prevention technique that can form a key part of any condition-based predictive maintenance programme. Scheduled testing of lubricating oil provides information on the condition of the equipment, detecting contamination, giving an early warning system enabling the operator to act, avoiding costly maintenance and lost productivity. We therefore provide testing and advisory services covering, engine, gearbox, hydraulic and cylinder scrape-down oils, plus analysis of greases.





Our services

Bunker Quantity Surveys (BQS)

We pioneered impartial and independent Bunker Quantity Survey (BQS) services in 1987 and have since completed more than 150,000 BQS worldwide.

Marine Bunkers are typically the largest contributor to the operational cost of a ship. As neither the buyer nor the seller are present to witness the quantity transfer and sampling procedures onboard, employing an independent surveyor can be key in avoiding quantity shortages, or sampling disputes. Survey services include, standard fuel delivery surveys, plus ROB, Sludge, On-Off Hire and De-bunkering surveys.

We were the first company to implement a worldwide Code of Practice for Bunker Surveying with continuing regular on-the-job quality assurance audits to ensure the highest level of integrity and service performance.

Our services | VPS Decarbonisation

Shipping is on a journey of decarbonisation, driven by consumer pressure and regulations such as the IMO's carbon intensity indicator and inclusion in the EU's emissions trading scheme by 2024, the biggest change in marine fuel since the coal to oil transition. We provide data-driven solutions and advisory services aiding vessel-owners and stakeholders to cut their carbon footprint.

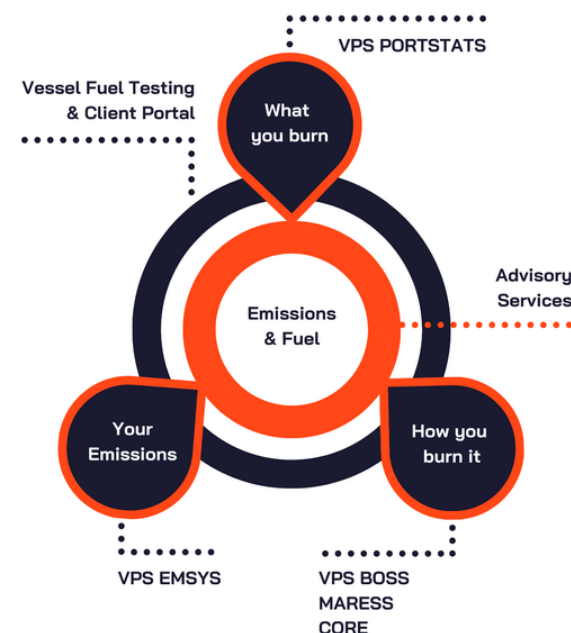
Maress is a digital system for data-driven decarbonisation. With an up to date and realtime overview of the performance of each vessel - and the total fleet- Maress is a unique tool for fleet energy management and for building awareness around the company's decarbonisation efforts.

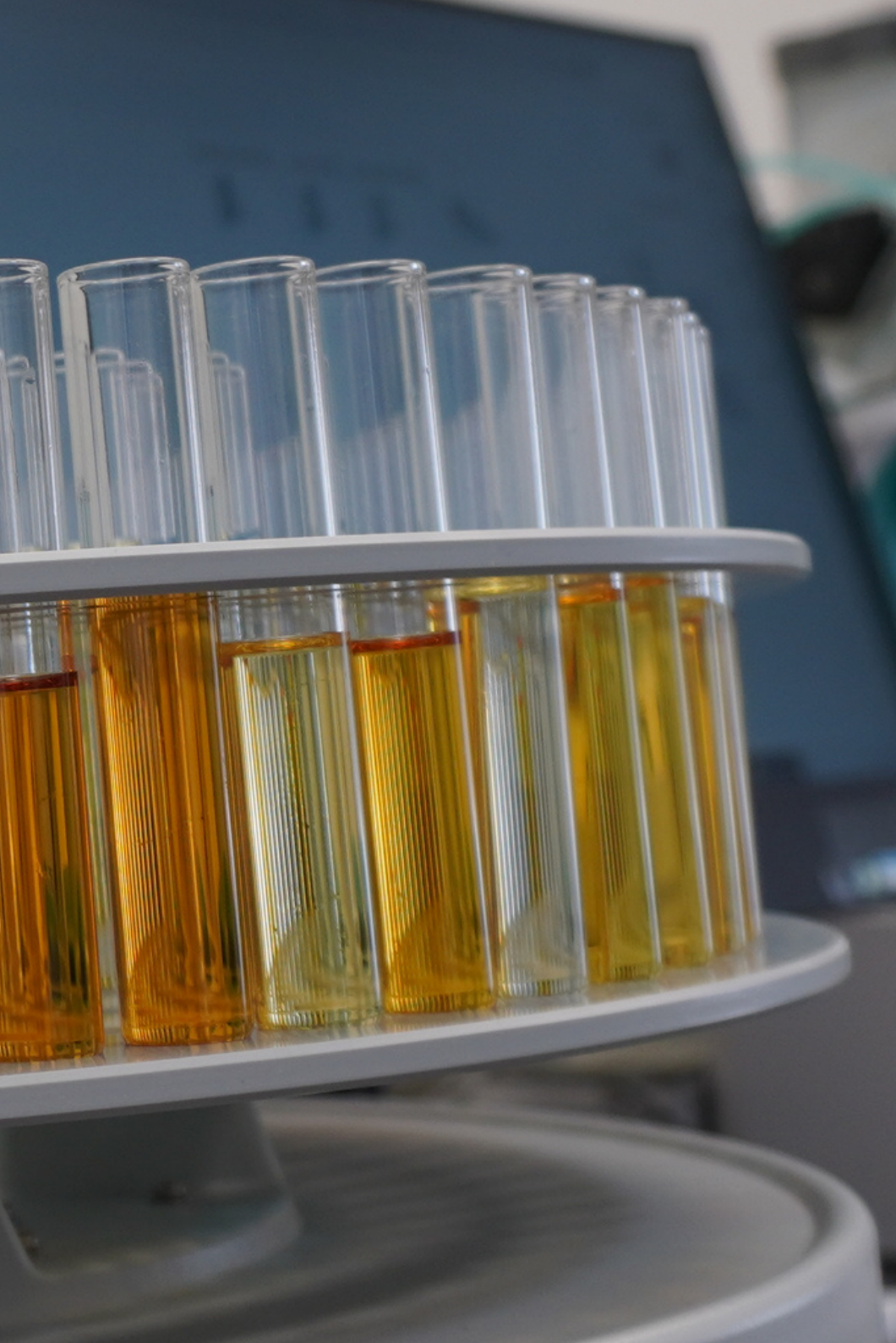
Advisory Services helps VPS customers to identify pathways towards more sustainable operations. We do this by providing insights, digital tools and advice along the entire marine fuels and emissions value chain. Our team performs projects on both operational and strategic level by combining a deep understanding of the maritime industry with insight gained from unparalleled data sets on fuels and vessel performance.

VPS Emsys is an innovative solution precisely measuring the emissions going through the smokestack. It enables vessel owners and charterers an end-to-end management of methane slip and greenhouse gas emissions. Take control over methane slip levels (g/kWh) and connect to VPS Maress to see emissions levels in various operational modes, load profiles and more for informed decision-making. VPS Emsys is the only class-approved solution capable of accurately measuring the full range of methane emissions often seen emitted.

VPS PortStats provides actionable insights based on proprietary live data on fuel off-specs, calorific value and density differences in all major bunkering ports. PortStats allows users to better anticipate risks and select the fuel with the best value and environmental footprint. Building on VPS's market leading position in marine fuels testing, PortStats offers you access to the most reliable and comprehensive fuel quality database in the market.

The maritime industry is going through a transition. To meet 2030+ emission targets and to stay competitive, the industry needs collaborative tools that use data in smart ways to give the right information.





Our services

Non-Marine Testing

Through our ISO17025 accredited laboratories in Manchester and Singapore, we also provide fuel and oil testing to other sectors including the power and renewables industries. We test a variety of fluids including insulating oils, hydraulic oils, gearbox oils, lubricating oils and advise on performance and regulatory compliance.

Our advice is based on assessment against technical and environmental standards, including as an example the Stockholm Convention on Persistent Organic Pollutants for transformer oils.

Transformer Oil Testing (TOT) works by testing the condition and quality of the transformer insulating oil to provide information on the condition of the transformer, providing an early warning system for preventative action. It is a proven loss prevention technique that can form a key part of any condition-based predictive maintenance programme.

Analysis of transformer insulating fluids provides an early indication of fault detection which can help reduce unplanned power outages and improve plant reliability.

Our TOT is performed to internationally recognised test methods and standards using the most up to date and innovative analytical equipment.

Why VPS?



Innovative Market Leadership

VPS has 50% global market share for marine fuel quality testing creating the largest database in the world.



Reliable & Consistent Results

VPS has ISO17025 accreditation for each laboratory and participates in many interlaboratory test schemes.



Objective & Independent

VPS delivers unbiased reports with independence and no conflicts of interest from fuel/oil suppliers, OEMs, or classification societies.



Procurement & Maintenance Intervals

Leveraging its extensive data, VPS aids customers in fuel procurement improvements and extended maintenance intervals.



Fastest Delivery

The VPS SampLogic on-line logistics platform for rapid sample collection and delivery, enabling the fast sample turnaround.



Transparent

VPS welcomes visitors to our state-of-the-art laboratory facilities anytime. Our door is always open.



Global Coverage

VPS operates five wholly-owned dedicated fuel and oil testing labs strategically located, supported by offices in nine countries. Our Technical Advisors with deep knowledge are available 24/7.



Resilience

VPS offers unmatched contingency, allowing easy sample transfer between labs to ensure testing continuity despite political or natural disasters.



Instrumental in Dispute Resolution

VPS has the best forensic capabilities with teams of marine engineers & chemists.



Market Leading Innovation

VPS leads in developing new testing methods and digitalisation services such as GCMS, WAT/WDT, Fuel System Checks, Additional Protection Service, VLSFO Insights and PortStats.



Best Technical Advice

VPS pioneers marine fuel testing, offering unparalleled expertise with highly qualified in-house Marine Engineers & Chemists. Our current and historic test result data set is unrivalled, enabling us to provide unique and fact-based advice.

Contributing to Global Sustainability Development Goals

We are delivering four key UN SDGs by working to improve the quality of the air we breathe, helping create sustainable energy, lessening the effect of climate change, and improving the way we treat our oceans. For forty years we have made a positive difference to how we grow sustainably – and we're committed to delivering even greater change in the future.

3 GOOD HEALTH AND WELL-BEING



ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES

- Our services are essential for compliance with the IMO's 0.5% S Cap to help give us all cleaner coastal air.
- Our services are vital for compliance with the Stockholm Convention reducing Persistent Organic Pollutants.

7 AFFORDABLE AND CLEAN ENERGY



ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL

- We work with a number of partners on R&D projects to support the development of green marine fuels.
- Our services help ensure a reliable and consistent supply of electricity to industrial and domestic consumers.

13 CLIMATE ACTION



TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

- Our services ensure fuel is burnt efficiently in vessels' engines for optimal propulsion, minimising GHG emissions.
- We support the renewables sector, servicing wind farms, solar energy and bioenergy.

14 LIFE BELOW WATER



CONSERVE AND SUSTAINABLY USE THE OCEANS, SEA AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT

- Our services are critical to reducing ocean acidification by minimising CO₂, NO_x, SO_x emissions into the atmosphere.
- Our services are vital to reducing marine pollution by preventing leakage of fuel into the ocean during bunkering.

Join us on this journey

Join us in the journey towards a greener, more sustainable maritime industry. At VPS, we are committed to accelerating the shift towards a low-carbon future, and we invite you to be part of this transformative change. Are you a vessel owner or a stakeholder in the maritime industry? Let's collaborate to reduce your carbon footprint and make your operations more eco-friendly. With VPS, you will gain access to data-driven solutions, expert advice, and digital tools that guide you along the path to sustainability. Together, we can create a more environmentally responsible and economically efficient maritime sector.

Contact us today and let's pave the way to a cleaner, greener future for the maritime industry.

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