



What does MATOIL do?

Engineering Solutions to eliminate waste management

Due to a combination of new legislative imperatives, enhanced ethical awareness and a growing trend for best practise, the global oil and gas industry is increasingly pursuing more sustainable and efficient methods of handling, treating and reducing oil and gas wastes.

MATOIL is a global provider of environmental solutions to the onshore and offshore oil and gas industry. We are a single source provider for managing waste materials throughout the full project life cycle - from exploration to decommissioning.

Formed in 2000, we employ over 500 people at our office, processing, manufacturing and service bases in Europe, the Americas, North Africa, West Africa and the Middle East.

Our skilled, experienced teams help clients internationally meet and surpass the demands of legislation by reducing the environmental impact and improving the safety of drilling and associated activities.

Working closely with clients, our in-house engineering teams will develop optimum solutions, ensuring that the onsite waste management meets a project's operational, financial and legislative requirements. From initial concept development through to project execution, we specialise in the design, manufacture, integration and maintenance of the equipment packages needed to handle and treat the various waste streams generated from oil and gas operations.

Combining over a decade of experience and know-how, our engineering capabilities form a core part of our integrated offering:

- Detailed engineering surveys
- Comprehensive project plans and costs
- Procurement, fabrication and installation of equipment
- Commissioning and maintenance

Our dedicated teams of experienced personnel operate our range of proprietary technology in line with approved standards and processes.

Services

In the oil and gas industry, significant quantities of wastes are produced that need to be handled and treated appropriately with the best environmental practices and optimum processing technology.

Dealing with these wastes, whether the result of exploration, production or decommissioning activities, is an important consideration for operators - even more so today as environmental



legislation and operator standards continue to evolve worldwide.

MATOIL has responded to these challenges by developing a complete range of premier oil and gas waste management solutions. These can be utilised independently or, as is increasingly the case, as part of an integrated project solution.

Our industry-leading solutions minimise the environmental impact of drilling operations throughout the full project life cycle. Engaging with operators at the project planning stage means we can advise on solutions both operationally and aligned with environmental regulation.

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MATOIL offers something that its competitors simply cannot - with over a decade of experience in drilling wastes management, processing and elimination onshore and offshore, our knowledge of the field and fully integrated offering are unrivalled. We were the first providers of offshore thermal processing to the industry in 2001 and continue to be recognised as the industry leader today, drawing on first-hand insight and understanding to push the limits of engineering and process-driven knowledge.

Our technology and solutions are designed and manufactured in-house, so quality is guaranteed.

We adhere to the philosophy that all accidents are preventable, and continually pursue ways to reduce risk. This commitment to safety safeguards all involved with our operations.

Our complete reporting regime and exacting environmental standards have earned the trust of the oil and gas industry, with MATOIL providing consultancy solutions in respect to global and



regional environmental issues and regulation.
Offshore Services

Due to a combination of new legislative imperatives, enhanced ethical awareness and a growing trend towards best practice, the global oil and gas industry is increasingly pursuing more sustainable and efficient methods of handling, treating and reducing offshore drilling wastes. Treatment offshore delivers many benefits, but varying rig specifications can make the accommodation of waste storage and processing equipment seem challenging.

We have redefined what is possible, providing tailored solutions to fit project-specific requirements, successfully overcoming perceived limitations.

MATOIL's specialist solutions provide a range of innovative methods for the efficient collection, transfer, treatment and reduction of drill cuttings, slops, sludge and associated materials offshore, allowing operators to honour both ambitious operational targets and environmental responsibilities.

Working with operators across the globe, our in-house engineering team ensures all equipment and processes comply with the highest HSEQ standards, providing effective solutions for any location and maintaining optimum production, improving safety and minimising environmental impact.

Working closely with clients, our in-house engineering teams will develop optimum solutions, ensuring that the onsite waste management meets a project's operational, financial and legislative requirements. From initial concept development through to project execution, we specialise in the design, manufacture, integration and maintenance of the equipment packages needed to handle and treat the various waste streams generated from oil and gas operations.

Our offshore services include:

- Cuttings transfer
- Offshore processing
- CRI
- Onshore processing
- Skip and ship
- Bulk transfer
- Offshore slops treatment
- Solids control
- Pit and tank cleaning
- Onshore Services

Due to a combination of new legislative imperatives, enhanced ethical awareness and a grow-



ing trend towards best practice, the global oil and gas industry is increasingly pursuing more sustainable and efficient methods of handling and treating drilling wastes from onshore and offshore operations.

We have redefined what is possible, providing tailored solutions to fit project-specific requirements, successfully overcoming perceived limitations.

MATOIL's specialist solutions provide a range of innovative methods for the efficient collection, transfer, treatment and reduction of drill cuttings, slops, sludge and associated materials onshore, allowing operators to honour both ambitious operational targets and environmental responsibilities.

Working with operators across the globe, our in-house engineering team ensures all equipment and processes comply with the highest HSEQ standards, providing tailored solutions for any location and maintaining optimum production, improving safety and minimising environmental impact.

Working closely with clients, our in-house engineering teams will develop optimum solutions, ensuring that the onsite waste management meets a project's operational, financial and legislative requirements. From initial concept development through to project execution, we specialise in the design, manufacture, integration and maintenance of the equipment packages needed to handle and treat the various waste streams generated from oil and gas operations.

Our onshore services include:

- Onshore fixed-location processing
- Onshore mobile processing
- Slops treatment
- Solids control
- Environmental Services

Specialist integrated environmental services for the oil and gas industry

Waste is an issue that affects every industry and with the landscape of legislation and regulation constantly evolving, efficient management and reduction of waste materials can seem increasingly costly, complex and time-consuming.

MATOIL has developed a range of environmental solutions for sustainable and responsible waste management, ensuring compliance with all appropriate regulation. We recognise that no two businesses are the same and that although requirements may often share similarities, tailored solutions are often necessary to meet exact needs.

We have specialist expertise, particularly within the energy sector, assisting companies to



minimise the environmental impact of their operations, thereby allowing them to concentrate on their core business. With capabilities to handle all types of hazardous and non-hazardous materials, we work with clients throughout the full project life cycle, from exploration to decommissioning.

MATOIL's approach is driven by the waste hierarchy; our goal is to maximise reuse and recycle options wherever possible, reducing reliance on landfill as a disposal option.

Our philosophy is to tackle waste from cause, not simply addressing effects. Therefore we tailor our solutions to meet exact requirements.

MATOIL's operations, facilities, processes and systems ensure that legal obligations are met and that a clear, robust audit trail exists with management information presented in a clear and understandable format.

Our global processing facilities and supporting infrastructure deliver integrated environmental solutions, exceeding both the most stringent environmental standards and client expectations.

Our environmental services include:

- Audit
- Waste collection
- Non-hazardous waste treatment and recycling
- Hazardous waste treatment and recycling
- Industrial services
- Spill response
- Management information
- Training and consultancy
- Decommissioning

Decommissioning is an emerging market that is set to increase over the coming years as aging production assets reach the end of their life cycle. Operators have a responsibility to ensure they leave as little environmental trace as possible once an installation is decommissioned, and TWMA offers comprehensive solutions for end of life projects as well as refurbishment and replacement for aging assets.

Given the diverse range of materials generated by decommissioning projects, integrated solutions provide the ideal solution. Our extensive experience in handling and processing various oil and gas waste streams, allows TWMA to offer clients a complete waste management solution for decommissioning projects.

MATOIL's specialist advisors can assist in the compilation of decommissioning plans at the ear-



liest project stage, meaning clients can benefit from our expertise in planning as well as execution phases.

MATOIL can co-ordinate your entire waste management process, from initial audits to co-ordination of third-party suppliers, ensuring that projects run smoothly from beginning to end. Project managers also co-ordinate the reuse of recovered materials, ensuring they are re-used in the local community wherever possible.

The key to effective waste management and reduction is to identify sources of waste prior to developing and implementing a waste minimization plan. Likewise, successful decommissioning relies on a thorough assessment of the materials involved. Our proven audit process allows us to develop tailored waste management strategies to suit project-specific requirements.

Engineering Services

Design, manufacture, integration and maintenance of MATOIL equipment packages
MATOIL has an in-house engineering services division specialising in the design, manufacture, integration and maintenance of the equipment packages needed to handle and treat the various waste streams generated from oil and gas industry operations.

We have built up many years' valuable experience and know-how in this aspect of our service provision, with a deep understanding of how to maximise project efficiency on all types of on-shore and offshore oil and gas installations.

Engineering services form a constituent part of our integrated drilling services capabilities and include the following:

- Liaison with client on project expectations
- Detailed engineering surveys
- Survey reports
- Provision of project plan and costs
- Procurement of equipment
- Fabrication
- Installation
- Commissioning
- Maintenance

Research and Development

Acclaimed research and development programmes

MATOIL's research and development team has an extensive track record for continuous research and development. We have also successfully completed a variety of projects working



with operators and multi-discipline teams:

Technology development

MATOIL recognises that oil and gas companies are constantly seeking to improve their waste management performance by reducing volumes of end-waste produced, increasing levels of recycling and reuse and generally optimising their operation in this area. They are reliant on specialists such as

MATOIL to facilitate these improvements, and we are always seeking to introduce new services and technologies which will allow clients to achieve these efficiency gains.

MATOIL is at the forefront of research and development within the oil and gas waste management industry. Testament to this is the introduction of similar technologies that are yet to meet our award winning performance standards.

MATOIL has taken several major steps to advance and lead the way in which oil and gas waste is treated, and has developed and commercialised several key industry service offerings including the TCC RotoMill[®] (onshore and offshore), TCC RotoTruck[®], EfficientC[®], and TCC RotoMill Heli-Lift.

We continually develop our existing services - increasing efficiencies by improving throughput, size, configurations and functionality across our range of technologies. In addition we are always looking at new ways of applying our existing technology. The recent introduction of our helicopter transportable TCC RotoMill Heli-Lift unit came as a development reacting to industry requirements.

MATOIL has combined an extensive track record of research and development, in-house engineering and global experience at our onshore work sites to test and prove our technology and service packages prior to client operations.

Reuse of recovered materials

For several years MATOIL has lead the development of the reuse of recovered materials from the oil and gas industry, setting the standards and techniques used in and around our business sectors. Our goal is to utilise and develop commercially robust solutions that can provide long term sustainable uses for recovered materials.

Recovered oil

MATOIL's research in conjunction with major operators, regulatory bodies and Universities, has been pivotal in developing a solution for reusing base oils used in the drilling industry. TWMA, initially with the TCC RotoMill[®], demonstrated both onshore and offshore that the processed oil was suitable for reuse in the active drilling system - changing perceptions within the industry that thermal desorption systems have negative effects on the quality of recovered oil.

Drill cuttings recovered powder usage

MATOIL is also sourcing and researching ways of productively and sustainably reusing the drill cuttings recovered powder produced by our thermal desorption units, as we seek to support



Oil & Gas Waste Management Solutions

our clients and achieve our own goals of reducing, and ultimately eliminating, the waste that is sent to landfill.