



Safer • Smarter • Solutions



SPECIALIST CHEMICAL AND ENGINEERED DECONTAMINATION SERVICES



WE'RE AGILE COLLABORATING TO DELIVER CHEMICAL AND ENGINEERED DECONTAMINATION SERVICES

Every day EnerMech delivers fully integrated solutions to the global energy and infrastructure markets. Regardless of project size, our multi-disciplined teams are dedicated, capable and focused on providing cost and time-efficient solutions to meet your needs, delivering excellence every step of the way.

Integrated Services

EnerMech has recently joined forces with Exkal to deliver proprietary technologies, processes and equipment for Descaling, Decontamination and Decommissioning of oilfield equipment. Combining Exkal's proven patented chemicals, processes and equipment together with EnerMech's process and industrial expertise provides a novel service offering.

Over the last decade Exkal has developed and delivered a variety of chemical and engineered solutions for the safe removal of oilfield contaminants, adopting a multi-disciplinary approach to solving oilfield challenges.

This approach blends perfectly with EnerMech's focus on providing cost-efficient solutions that reduce operational risk and maximise productivity.

Decontamination Solutions

We provide Naturally Occurring Radioactive Material (NORM) decontamination services safely and successfully through technology, chemistry, manpower and equipment in the UKCS, West Africa, Middle East and Malaysia. In most cases the technology is deployed alongside Exkal's modular secondary containment system mitigating any potential uncontrolled release of contaminants to the environment or client's worksite.

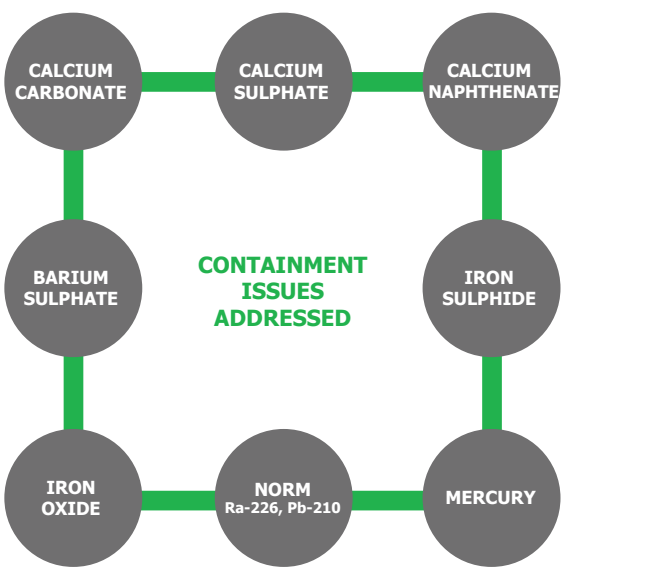
Chemicals

EnerMech Exkal provides a range of chemical processes, and when required can also facilitate the rapid development of bespoke solutions, to meet clients' specific requirements including:

- Proprietary scale dissolvers
- Specialty chemical solutions
- Patented Attic Oil Removal (AOR) technology
- Reach compliant products
- Environmentally acceptable products

Dissolver Chemicals

- Full range of mineral scale dissolvers available from calcium carbonate to barium sulphate
- Patented mercury dissolver, calcium napthenate dissolver and halite inhibitor.



NORM Descaling

- Chemical or physical removal of radioactive (NORM) scale from production processing and storage equipment
- In-situ NORM scale dissolution from within the wellbore to enhance productivity or restore safe well access
- NORM scale dissolution from pipe and vessel internals

NORM Decontamination

- Removal of NORM contamination from solids /sludges
- Removal of NORM contamination from process liquids
- Fabrication and supply of bespoke decontamination equipment

Decommissioning Services

- Trapped oil removal from seabed storage cells
- Novel chemical engineering and decommissioning services, from feasibility studies to onshore validation trials, offshore validation trials and field execution
- Project management

Equipment Hire

We own a range of bespoke equipment designed and commissioned to implement Exkal's patented technologies and processes.

- Modular Secondary Containment Equipment
- Electrically and Steam Heated Chemical Tanks (1m³ up to 24m³)
- Chemical Pumps and hose packages
- Workshop Containers
- Controlled area entry / exit modules



MAJOR PROJECTS

YEAR	PROJECT DETAIL	SUMMARY
2006/2008	Shell – Dunlin Attic Oil Project,Northern North Sea	Attic Oil Removal Chemical Technology
2008	ConocoPhilips – Theddlethorpe Gas Terminal, East England	Chemical Separation Technology/ filtration services/scale dissolution
2013	BP – Thunderhorse, Gulf of Mexico	Scale Dissolution
2009/2010	Shell – Brent Delta Decommissioning, Northern North Sea	Studies/Lab validation/yard validation/field execution/scaled model fabrication
2011	Murphy Oil – Azurite Scale Dissolution, Congo Scale	Dissolution/Equipment
2010/2013	ESSO – Xikomba Decommissioning, Angola Scale	Dissolution/Equipment/Manpower
2014	Murphy Oil – Azurite Decommissioning, Congo	Scale Dissolution/Equipment
2013/2014	Chevron – Kuito Decommissioning, Angola	Equipment/Manpower
2013/2014	Taqa Bratani – Cormorant Alpha GBS Study, Onshore Aberdeen	Study/Lab Validation
2012	Total – Pilot Test, France	Scale Dissolution/Equipment/Manpower



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