



OIL & GAS DECOMMISSIONING WASTE SERVICES

Compliance driven decommissioning services for the UK's Oil & Gas sector

0333 034 9004
www.augean.co.uk

OUR COMMITMENT TO HEALTH, SAFETY & COMPLIANCE



COMPLIANCE

We ensure that our waste solutions are sustainable by monitoring forthcoming changes in regulation and legislation so that compliance objectives are understood, communicated to our operational teams and customers, and new protocols are implemented as necessary ahead of regulatory deadlines.

HEALTH & SAFETY

Safety is consistently at the forefront of how we operate our business. We operate under a fully Integrated Management System, which is accredited to ISO 9001, ISO 14001 & ISO 45001 standards. **18 years LTI free offshore.**



WASTE MANAGEMENT

All wastes are managed with due regard to the waste hierarchy. We specialise in the development of innovative solutions for the UK's more hard to handle wastes, backed-up by specialist industrial services and decommissioning capability for a complete end-to-end service.

EXPERIENCED STAFF

Our knowledge and experience set us apart from our competitors. We pride ourselves on having the most experienced and capable teams who service our customers whilst drawing from decades of experience. Together, with our wide-ranging service offering, we can be confident that we will deliver the best quality of service.



CARBON FOOTPRINT AND ENVIRONMENTAL IMPACT

Our range of eco-friendly solutions contribute to reducing the carbon footprint and environmental impact for ourselves and our customers. Our certification to ISO 14001 demonstrates our commitment for achieving legal and regulatory compliance to regulators and government. We focus on delivering best environmental outcomes.

OUR DECOMMISSIONING SERVICES

DECOM WASTE MANAGEMENT

Augean forms part of an evolving and sophisticated supply chain working together to service the multi-faceted decommissioning needs within the energy sector.

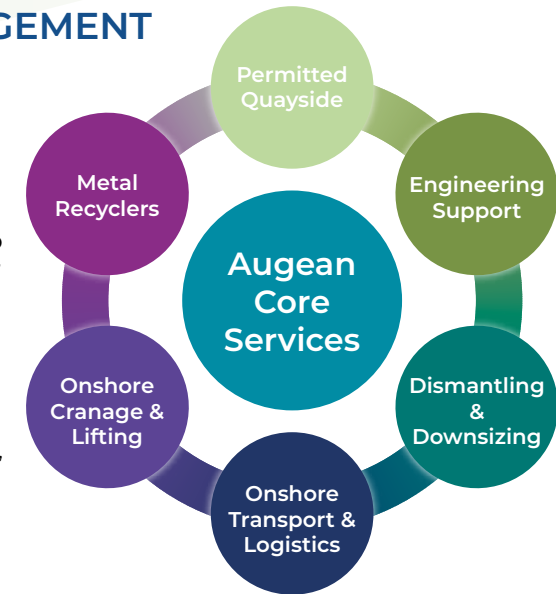
Working with strategic partners who have their own specialisms, together we are well positioned to meet customer requirements.

Communication, safety, compliance and efficiency are fundamental to the delivery of a successful project - Augean, in conjunction with our strategic partners, delivers best practice in these areas.

Augean has a flexible and reactive approach for dealing with any changes to project schedules. We appreciate this is part of the daily challenges in the Oil and Gas industry and we have extensive experience of managing time-scales.

We liaise and work together with our customers to ensure the appropriate resources are available for all port calls throughout a campaign. Between our in-house capabilities and our supply chain network, Augean has access to a wide range of equipment and specialist personnel.

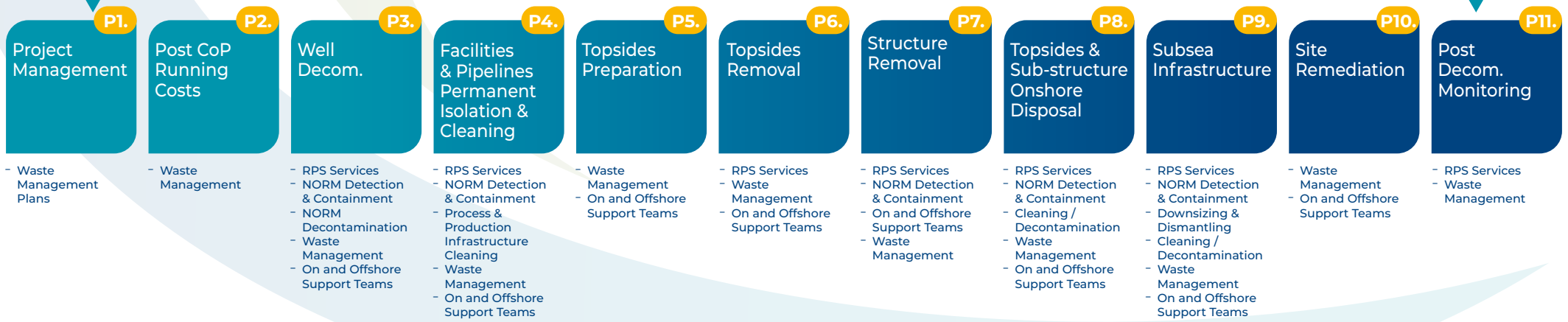
As part of our standard services, we also provide multi-skilled personnel to handle and clean NORM contaminated material prior to going for reuse or recycling.



OUR DECOMMISSIONING SERVICES



Decommissioning Priorities



Compliance & Reporting

AUGEAN DECONTAMINATION CENTRE



Augean's fully-automated decontamination system is designed to:

- + Enhance the safety of our operators
- + Remove the manual element of ultra high-pressure water jetting
- + Protect the environment by ensuring more efficient cleaning
- + Reduce cleaning time and emissions



Fully Automated Decontamination Unit

Augean's fully automated decontamination unit enhances our NORM capabilities by ensuring that all NORM waste removed from both the inside and outside of Oilfield Tubulars is contained within the unit itself.

The unit has been designed as a fully automated system which enhances safety of our operators. It removes the manual element of ultra high-pressure water jetting, and protects the environment by ensuring more efficient cleaning by reducing cleaning time and emissions.

The decontaminated tubulars are then returned to the circular economy where they are reused as pilings in the construction industry.

FEATURES OF THE SYSTEM:

- + Rotating wash head and tubular for maximum cleaning efficiency
- + Accepts tubular sizes 2 3/8 inches in diameter to 13 3/8 inches in sizes R1, R2 & R3
- + Separate tubular entry and exit points to avoid contamination
- + Fully bunded for washings and waste collection
- + Separate control room
- + Isolated flexi lance system
- + Internal CCTV for non-man entry
- + Inline pumping & filtration system
- + Solar-powered emergency shut-off drain valves
- + Washings transported to our Greenbank facility for further specialist treatment

Yard G

Purpose-built NORM decontamination facility with some key features:

- + EASR permitted
- + Bespoke breakdown chamber for small piece decontamination and size reduction for larger items
- + Installed solar powered emergency shut-off drain valves
- + Fully contained washings capture and storage system, supported by inhouse treatment of NORM washings at our Greenbank facility



Decommissioning is no longer a WASTE MATERIAL HANDLING challenge, instead it is an opportunity to RECOVER VALUABLE MATERIAL

CASE STUDIES

Abandonment waste management services

Priority 3. Offshore



Project Name: Drilling and well abandonment waste management services

Why Augean

- + HSEQ Performance
- + Track Record (over 35 P&A projects completed)

Project Benefits

- + Augean reduced associated offshore waste stream by over 70%.
- + No accidents, incidents or lost time
- + No spills, leaks or uncontrolled discharges
- + NORM levels monitored for tubing, casing and equipment pulled from multiple wells
- + Filtered over 9,500 bbls fluids
- + Contained over 3,000 bbls of crude oil
- + Sampling, discharging and pit cleaning carried out by our multi skilled personnel.

SCOPE

Augean was contracted to provide drilling and well abandonment waste management services for 16 of Fairfield's Osprey and Merlin wells - extension of previous work scopes.

Augean commissioned to supply Sedco 712 with personnel and equipment for:

- + Offshore containment of wellbore wastes - including mud from behind casing, cement spacers, cement mud interfaces, completion brines, sulphate contaminated fluids, produced waters, and crude oil contaminated water
- + Waste volume reduction at rig site (filtration)
- + NORM RPS & Monitoring
- + Deep cleaning of mud pits.

SOLUTION

Augean provided on and offshore waste treatment solutions. Installed, commissioned, maintained, and operated:

- + Multiple twin pod filtration units
- + Solids control screw conveyors
- + Vacuum and pumping transfer systems
- + Cutting skips and tote tanks
- + Onshore crude waste treatment.

Augean deployed a team of multi-skilled Water Jetting Specialists and Radiation Protection Supervisors.

Juliet Field waste management

Priorities 8. & 9.



SCOPE

Augean was contracted by Neptune to support the handling of over 500 tonnes of materials from the Juliet / Minke fields. The waste received was primarily:

- + 150T Juliet subsea manifold
- + Concrete mattresses
- + Grout bags
- + Spool sections

SOLUTION

Concrete mattresses were cleaned by High Pressure Water Jetting to remove silt and marine growth prior to transport for crushing and recycling with the grout bags as aggregate. The spool sections were cleaned inside and out with High Pressure Water prior to the short transfer to Robertson's Metals Recycling.

The challenge was the subsea manifold, a lift of >150te due to rock dumping materials on the manifold base. The transfer from the vessel was completed onto stands, before over 30 tonnes of rock was removed to allow for safe movement by SPMT.

The manifold was cleared of silt and broken down for recycling, with care taken to remove valuable valves and the control panel for possible reuse.

“Augean achieved a recycling rate of c. 99% and continue to support with an upcoming P&A campaign on the Orca, Minke & Juliet fields.”

Abandonment tubular decontamination

Priority 3. Onshore



SCOPE

Augean was contracted to decontaminate over 500 NORM contaminated tubulars pulled from various wells that are in the process of being abandoned.

SOLUTION

Received at our permitted NORM facility, our multi-skilled Radiation Protection Supervisors and NORM Operatives decontaminated these tubulars using our high-pressure jetting equipment.

Once decontaminated, the tubulars were transferred to a specialist OCTG Contractor for reuse in either oilfield or construction applications.

The NORM washings were compliantly packed for processing at our Greenbank facility and the contaminated scale was sent for disposal by incineration.

THE SECTORS WE SERVICE



Defence



Infrastructure & Construction



Nuclear & Radioactive



Oil & Gas



Processing & Manufacturing



Renewable Energy



Utilities



Insert FSC Logo
ref: landscape/Green positive



OUR MEMBERSHIPS & CERTIFICATIONS



Aberdeen & Grampian Chamber of Commerce



0333 034 9004 | sales@augean.co.uk | www.augean.co.uk

4 Rudgate Court, Walton, Nr Wetherby, West Yorkshire, LS23 7BF

