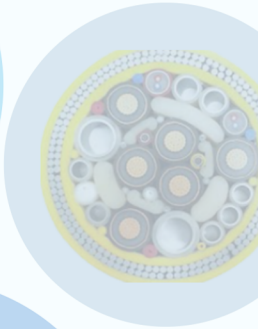


Capability Statement



SATURN FE LTD



January 2023

KEY SECTORS

NAVAL / DEFENCE

COMMERCIAL MARINE

RENEWABLES

OIL, GAS & ENERGY

DISTILLERIES

DECOMMISSIONING

SUBSEA

POWER GENERATION

CHEMICAL SUPPLY & DEVELOPMENT

Company Details

Registered Office: Stannergate House, 41 Dundee Road West, Dundee, DD5 1ND.

Correspondence and Operations: 2 Water's Edge, Camperdown Street, Dundee, DD1 3HY.

Tel: +44 (0)1382 581777

Email: sadmin@saturn-fe.com

Email: sales@saturn-fe.com

Web: www.saturn-fe.com

Company Reg No: SC611526

VAT Reg No: 309 7188 79

Contacts

Ewen Clunie Managing Director and Fluid Management Technical Authority

Shona Clunie Director

Tom Pendlebury General Manager UK & Europe

James Hatch Operations Manager

Sales

John Shand Global Business Development Director

Steven Ferguson Business Development Manager

Email: sales@saturn-fe.com

Saturn is a dynamic, customer focused service company providing integrated fluid management solutions to a global marketplace.

Description

Saturn aims to provide clients with a greater depth of technical expertise and support across their operations, with a focus on clear communication, cost reduction and product optimisation whilst upholding and uncompromising focus on safety and integrity.

Saturn's support to clients extends globally, offering a service bolstered by over 30 years of experience in fluid management across all industry sectors from commercial ship repair and maintenance to new build naval defence or renewable energy projects.

Many clients choose to engage early in their projects thus enabling Saturn's team to apply their technical and engineering expertise throughout the full life-cycle of the project.

Innovation

Saturn is committed to continual improvement and research and development across multiple sectors:

Saturn has developed several products with a reduced environmental impact which allow safe removal of surface corrosion and scales.

Historically, these rusts and scales have been removed through the use of highly toxic (to both environment and personnel) chemicals.

Saturn has also developed a corrosion removal product which can be used during pressure testing as an inhibitor, thus mitigating against any degradation of the pipework during and post testing programmes. As there is no deterioration in the pipework condition between the testing and flushing programmes, there are both time and cost saving benefits

Saturn developed a High Velocity Flushing with inhibited chemicals process to reduce the time spent flushing lines to bring systems into a compliant and acceptable condition. Historically, these systems were chemical cleaned and then flushed, which could take some considerable time. Saturn has identified that some systems are compatible with having both chemical cleaning and flushing being conducted at the same time. This has the added benefit of reducing the risks involved in flushing with system fluids eg: Fuel, Avcat etc, where there is a significant risk to hot work and simops.

Clients benefit from significant overall project timescale reductions and cost benefits as a result of these innovative products and processes.

Summary of Achievements

Awarded BAE Systems Chairman's Award in 2019 for works undertaken on Aircraft Carrier Build programme which resulted in a 30% reduction in timescale of the Fluid Management Programme, 50% reduction in waste quantities and disposal costs using Saturn Process and less environmentally harmful chemicals, and a £2.3m cost reduction on overall Fluid Management costs to the client.

Certifications & Memberships

- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018
- Cyber Essentials Plus Certification

Major Clients

- Valaris
- Bluewater
- Wartsila
- Babcock
- Petrofac
- CNR
- Baker Hughes
- CalMac
- Greenray Turbines
- ExxonMobil

Locations & Facilities

- UK Head Office and Workshop Facilities - Dundee, Scotland
- UK Workshop and Support Facilities - Aberdeen, Scotland
Truro, Southern England

Major projects include:

- UK Navy Type 26 Global Warship Fluid Management - BAE Systems Naval Ships
- Ballast Control Overhaul & Upgrade - Bluewater Caledonian Ferry - CalMac
- Rotating Equipment Lube Oil System Maintenance and Repairs - Taqa Bratani Ltd
- Loch Seaforth CalMac Ferry - Wartsila

Key Sectors Served

- Oil & Gas / Energy
- Naval / Defence
- Decommissioning
- Commercial Marine
- Subsea
- Renewables
- Chemical Supply
- Distilling & Brewing
- Nuclear

- Singapore: Office and Workshop Facilities - Tuas, Loyang
- Australia: Offices and Support Facilities - Perth, W.A., Adelaide S.A.
- Middle East: Office and Support Facilities - Dubai, U.A.E.

Products & Services

Engineering

Full project management, engineering support and troubleshooting service for inspections and maintenance both onshore, in dock or at sea.

Hydraulics

- Repairs, Upgrades & Enhancement
- System Installation & Commissioning
- Troubleshooting
- Topside & Subsea Mechanical Handling Systems
- Flange Management
- System Integrity Management
- Flexible Hose Assemblies
- Subsea Control System repair, modification, flushing and commissioning
- Hydraulic System Design & Manufacture
- Pressure Testing
- Orbital Welding
- Emergency Shutdown Hydraulic / Electrohydraulic control
- Ballast, Control, Steering Gear / Stabiliser, and Deck Machinery Systems Flushing and Repairs
- Pipework Installation
- Small Bore Pipework
- Accumulators
- Supply of new hydraulic equipment and products eg: cylinders, valves, manifolds, control stands
- Instrumentation PRV, PSV Testing, analogue and digital gauge recalibration
- Cooler Refurbishment
- Heater Replacement

Fluid Management Services

- Hydraulic Oil Flushing
- Chemical Cleaning
- Tank Cleaning
- Fuel System Cleaning
- Subsea Control System Flushing
- Cooling Water Decontamination
- Fluid Cleanliness Analysis
- High Velocity Water Flushing
- Rotating Equipment Lube Oil Flushing including pumps, motors, turbines, compressors (Turbo machinery)
- Ballast Control System Contamination Removal

Decommissioning

- System Decontamination
- Camera Inspection
- Asset Preservation
- Chemical Cleaning

Subsea Services

- Technical & Engineering Support
- Pressure testing umbilical during installation
- Insulation resistance (IR) and Continuity Resistance (CR) testing of copper and fibre optic conductors during installation
- Piping Installation and Commissioning
- Orbital Welding
- Flushing of Hydraulic and Chemical Injection Fluids
- Splicing of hydraulic lines and cables
- Bespoke equipment provision and design
- Repairs, Upgrades & Enhancement
- Distribution Units (SDU / SDM)
- High Integrity Protection system (HIPPS)

Chemicals

- Full range of CEFAS templated products for Oil & Gas industry
- Scale dissolution & prevention including Norm scale
- Degreasing, degassing products including Benzene water and produced water
- Full range of speciality maintenance products
- Corrosion removal and prevention
- Wax & Asphaltene dissolution and prevention
- Sludge splitters & Oil recovery products
- Commodity glycols, solvents & acids
- Product development
- Pipeline Testing, Flushing & Commissioning products

Contact our team today:
Discover how Saturn can help your business



sales@saturn-fe.com

UK

2 Water's Edge
Camperdown Street
Dundee
DD1 3HY

+44 (0)1382 581777

Singapore

1 Gateway Drive
#07-01 Westgate Tower
Singapore
608531

+65 6801 0219

Australia

Level 13
37 St Georges Terrace
Perth 6000

WA

+61 (0)8 6188 7613

Level 2
70 Hindmarsh Square
Adelaide 5000

SA

+61 (0)8 7087 2142

Middle East

Dubai Silicon Oasis, DDP
Building A1
PO Box 27994
Dubai

+971 (0) 5536 18581

Canada

sales@saturn-fe.com