

# THE DECK MACHINERY SPECIALISTS





# TOTAL SOLUTION PROVIDER

**ACE Winches is a global leader in the design, manufacture and hire of winches, marine deck machinery and the provision of associated hire personnel for the offshore oil and gas, marine and renewable energy industries.**

ACE Winches is the expert partner to manage the total project solution from concept design through to manufacture, testing, installation, commissioning, operation, training and ongoing client support.

Operating in over 50 countries ACE Winches specialise in reliable, safe solutions that deliver.





“ Headquartered at Towie Barclay Works, Scotland, ACE Winches is a major partner to the international energy industries. Supported by our Norwegian base, the company has a dedicated focus on exceeding client expectations and maintaining an excellent record of safety, quality and reliability.



ACE Winches' reputation is renowned worldwide and is built upon decades of exceptional service and project performance. Working with ACE Winches is more than a transaction; it's a relationship based on excellence in design and engineering, total project solutions and a relentless commitment to achieving sustained growth through innovation. ”

Alfie Cheyne, CEO

## ACE WINCHES NORGE AS

**ACE Winches Norge AS offer bespoke winching solutions, hire fleet equipment, personnel, refurbishment services and training across the Scandinavian markets.**

The quayside base and office facilities at Karlsund, Haugesund complement Stavanger operations. Located in the straits of Karlsundet the facilities include 750m of deep water quayside. ACE Winches Norge AS specialise in hire assets designed for the installation and recovery of subsea, umbilicals, risers and flowline products.

ACE Winches Norge AS has a dedicated Project Management team to spearhead an extensive range of specialist projects to meet client requirements.

Meeting rooms and office space are available for clients to utilise during their time on site.





# ACE ENGINEERING

**ACE Winches is committed to a first-class engineering service driven by the desire to provide the solution to any challenge.**

Our experienced team of specialist engineers have amassed many years experience defining our turnkey design and manufacturing of winches and deck machinery, ensuring delivery to client time scales, budgets and specifications. Within ACE Engineering our dedicated Research and Development department heralds a new age of innovation in deck machinery developing patented equipment delivering tailored and industry leading concepts.

**ACE Engineering offer a range of services including:**

Mechanical Engineering

Hydraulic Engineering

Electrical and Electronic Engineering

Technical Drawings

Research and Development



# ACE MANUFACTURING

**ACE Manufacturing is a turnkey solution provider with a proven track record in the design, manufacture, testing and installation of high quality standard and bespoke winching equipment and deck machinery.**

Our dedicated in-house design, engineering and manufacturing capabilities, coupled with our specialist expertise, enable the production of tailored winch solutions within short lead times. All equipment is CE marked as standard and is designed in compliance to industry certification as required by the client.

## Our products include:

Electric, Hydraulic and Pneumatic Winches

Fast Winch and A-Frame Packages

Drum Winches

Umbilical Reelers

Active Heave Compensation Winches

Traction Winches

Spooling Winches

Reel Drive Systems

Hydraulic Power Units (HPU's)

Track Tensioners

Control and Monitoring Systems

Linear Winches

Chain Winches

Ancillary Equipment





# ACE HIRE EQUIPMENT

**ACE Hire Equipment supply a comprehensive range of winch and deck machinery equipment for rental on floating vessels, fixed offshore installations and land-based projects.**

The ACE Hire Equipment fleet comprises thousands of units, allowing mobilisation of unique packages to suit clients. All equipment is subject to rigorous testing and conforms to relative EU and International Safety Directives. Whether short or long term rental, ACE Winches is committed to the successful delivery of your project.

**ACE Hire Equipment supplies deck machinery required to complete a range of operations, including:**

- Mooring System Operations
- Topside/GBS Load-outs
- Umbilical Deployment
- Flow Line and Cable Installations
- Heavy Lift Operations
- Pipeline Pulling Operations
- Wire and Umbilical Spooling
- Rigging and Inspection
- Maintenance and Overhaul





# ACE HIRE PERSONNEL

**ACE Hire Personnel support ACE Winches products and clients by offering multi-disciplined personnel qualified to commission and operate all types of deck and platform equipment worldwide.**

Qualified ACE engineers and operators have decades of experience in the marine and offshore industry and hold, as a minimum, full offshore safety survival certification and can be deployed globally at short notice.

## **ACE Winches has the following personnel available:**

Survey Engineers

Commissioning Engineers

Hydraulic, Mechanical and Electrical Engineers

Carousel, Powered Reel and Tensioner Operators

Winch Operating Technicians

Wire Spooling Technicians

Hose Reel Operators

Offshore Riggers

Structural Design Engineers

Applications Consultants



# ACE SERVICES

**ACE Services offer a range of maintenance contracts, upgrades and commissioning services for clients requiring the overhaul of existing winching equipment and deck machinery whether originally supplied by ACE Winches or any third party.**

All equipment is subject to comprehensive testing prior to delivery. ACE Services also incorporates a product sourcing facility to supply third party products including wire ropes, hydraulic and electric components, and spare parts.

## ACE Service offer the following:

- Global Service Contracts
- Master Service Agreements
- Offsite Commissioning
- Reverse Engineering
- Feasibility Studies
- FMECA and Engineering Surveys
- Product Support
- Product Upgrades
- Equipment Overhauls
- Survey Technical Support





# ACE WINCH ACADEMY

**ACE Winch Academy provide training for all aspects of winch and spooling operations as well as a variety of associated training programmes and competence management systems, for both clients and ACE Winches' employees.**

Training frameworks are available with specific focus on developing competency to ensure safe deployment, management and operation of winches and deck machinery. The ACE Winch Academy offer a series of core courses, and bespoke services to meet clients' needs, all of which can be delivered at the ACE Winch Academy or at clients' operational site.

The ACE Winch Academy is accredited in the delivery and certification of its programmes by several internationally recognised training authorities.

These include City and Guilds, the Lifting Equipment Engineers Association (LEEA) and the Institute of Mechanical Engineers (IMechE).





# SUPPORTED MARKETS

## OIL AND GAS

**As an established global provider, ACE Winches, has a proven track record in the supply and support of a comprehensive range of products, services and bespoke engineering solutions for the oil and gas sector, onshore, offshore and subsea.**

The full range of services include design, engineering and manufacture of specialist back deck equipment, maintenance, refurbishment and service of existing equipment, subsea operations and personnel to operate winches, umbilical reelers, reel drive systems and track tensioners required for vessels and platforms.

ACE Winches partners its clients to deliver total

solutions offering equipment designed to meet their requirements.

Our company is focused on continually developing new innovative products to address oil and gas challenges.



## MARINE

**The company offers an extensive range of marine products as experienced service supplier to the world's marine industry.**

With expertise in advanced engineering and a wide breadth of experience, ACE Winches has the strength and capability to adapt and innovate their product and service offering for client specific projects. ACE Winches is an ideal partner to the global marine industry.



## RENEWABLES

**ACE Winches is a key supplier to the renewable energy market by providing deck machinery equipment to companies developing sustainable, secure and economically viable energy, crucial to meet future global energy demands.**

ACE Winches' equipment can be used in a range of operations such as mooring, noise mitigation, tidal and wind energy installations.





# DECOMMISSIONING

**ACE Winches works closely with clients to deliver robust solutions and is committed to supporting decommissioning projects.**

Our expertise and experience is based on a proven track record in developing innovative solutions and reliable products and services to support our clients' specific requirements. We offer a broad range of specialist equipment and back deck personnel that could be deployed for a wide range of activities including riser decommissioning, recovery of cables and umbilical utilising a combination of RDS (Reel Drive System), tensioners and spoolers, and transpooling of umbilical cables.

ACE Winches' extensive breadth of products and in-house technical expertise is able to deliver innovative solutions to meet your decommissioning requirements.



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## PORTS AND TERMINALS

**Within the Ports and Terminals market ACE Winches provides support, development and operation assistance to companies working in ports and terminal sector and its associated facilities.**

Supporting ports and harbour infrastructures with a full range of equipment and services for operational use in dry-docks, slipways, LNG Terminals and ship-lifting systems.

Our in-house technical expertise covers design, planning, engineering, manufacturing, testing, development and

operational use of either existing products or a bespoke solution to match the client's requirement.



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## CIVIL ENGINEERING

**ACE Winches provides a range of specialist equipment to the civil engineering sector, with in-house capabilities for complex engineering design and bespoke manufacturing offering innovative solutions for civil engineering projects, onshore, offshore or subsea.**

Our company can supply specialist personnel, technical engineering expertise and a broad product range including winches, hoists, reel drive systems for use in cable lay, construction, cable / pipe installation and barge anchoring.





# ACE PRODUCT OVERVIEW

## ACE HYDRAULIC DRUM WINCHES



- 2 Tonne - 600 Tonne\*
- Constant Tension
- Active Heave Compensation
- Abandonment and Recovery
- Lifting, Pulling and Mooring applications

## ACE HYDRAULIC DRUM WINCHES



- 5 Tonne - 250 Tonne\*
- Single Drum
- Double Drum
- Variable Speed
- Tension Control
- Wireless Control
- Suitable for Hazardous Areas
- PLC Controlled

## ACE CHAIN WINCH



- 50 Tonne - 400 Tonne\*
- Constant Tension
- Double Chain Wheel
- Hang Off Plate
- Mooring Winch
- Abandonment and Recovery
- PLC Controlled

## ACE IWOCs WINCH



- Adjustable Exit Angle
- PLC Controlled Spooling
- Messenger Winch Application
- Constant Tension
- Hydraulic Drive
- Electric Drive
- Suitable for Hazardous Areas

## ACE UMBILICAL REELERS



- Hydraulic Driven
- Electric Driven
- Pneumatic Driven
- Hydraulic Umbilical Controls
- Electrical Umbilical Controls
- Hydraulic Slip Rings
- Electrical Slip Rings

## ACE AIR WINCH



- 0.5 Tonne - 10 Tonne\*
- Man-riding
- Lifting and Pulling Applications
- DNV 2.22 Lifting Appliance Approved

## ACE REEL DRIVE SYSTEMS



- 200 Tonne - 750 Tonne\*
- Single or Multiple Reel Handling
- Reel Drive System Tracks
- Maximum Reel Dimensions 12700mm Diameter
- PLC Controlled

## ACE TRACK TENSIONER



- 2 Track
- 4 Track
- Constant Tension
- Multiple Product Types
- Tension Monitoring
- PLC Controlled

## ACE LINEAR WINCHES



- 10 Tonne - 800 Tonne\*
- Chain Linear Winch
- Wire Rope Linear Winch
- Continuous Pull
- Intermittent Pull
- Controlled Lowering
- Suitable for Hazardous Areas
- PLC Controlled



## ACE SPOOLING WINCHES



- 10 Tonne - 400 Tonne\*
- Wire Storage Winch
- Hydraulic, Electric and Pneumatic Driven
- Drill Line Spoolers

## ACE TRACTION CAPSTAN SPOOLING WINCH



- 100 Tonne\*
- Maximum Wire 100 Tonne Diameter
- Vertical Exit
- Horizontal Exit

## ACE ROPE TRACTION WINCHES



- 50 Tonne - 150 Tonne\*
- Hydraulic Drive
- Double Drum Traction Winch
- Synthetic or Wire

## ACE DIVER SERVICE MODULE



- Combined Reeler and Winch Operations
- Twin Electric HPU
- Hydraulic Operated A-Frame
- Line Load Read Out
- Central Control Station

## ACE FAST WINCH AND A-FRAMES



- 5 Tonne - 150 Tonne\*
- Hydraulic Operated A-Frame
- Line Load Read Out
- Constant Tension

## ACE HYDRAULIC POWER UNITS



- 5.5 kW - 1.2mW\*
- Electric Hydraulic Power Unit
- Diesel Hydraulic Power Unit
- Open Loop
- Closed Loop
- Safe Area
- Zone II
- Zone I

## ACE COIL TUBING



- Skid mounted lifting frame
- Models are wireline adaptable
- Direct drive or chain drive
- Local or remote controls
- Single or dual inlet valves

## ACE TAGGING TOWERS



- 360° operational Swivel Head Fairlead
- High and Low Swivel Head Fairleads

## ACE DOUBLE DRUM WINCHES



- 20 Tonne - 250 Tonne\*
- Diesel Driven
- Hydraulic Driven
- Electric Driven
- Pneumatic Driven



# OUR CORE VALUES

The ACE Winches Core Values are firmly embedded within the company. ACE Winches has a culture of continuous improvement, hard work, commitment to the growth and success of the company while increasing commercial awareness to improve performance.



## Core Values

### Health and Safety

Committed to a safe, healthy and incident-free workplace

### Excellence and Quality

Delivering world-class solutions on time

### Investment

Investing in our people, products and facilities globally

### Creativity

Delivering creative and innovative engineering solutions

### Integrity

Encouraging a culture of honesty, trust and respect

### Responsibility

Committed to taking responsibility for our actions and decisions



# SAFETY AND RESPONSIBILITY

**ACE Winches** number one priority is Health, Safety, Environment and Quality. With robust management systems in place and a deep rooted culture of safety and responsibility, **ACE Winches** comply with the following safety standards.

## Quality

BS EN ISO 9001: 2008 Quality Management

Our comprehensive, co-ordinated quality management system demonstrates commitment to continual improvement.

## Environmental Responsibility

BS EN ISO 14001: 2004 Environmental Management

ACE Winches is compliant with environmental regulations and recognised industry standards, continually seeking to protect and enhance the natural environment. The company promotes environmental practices to assist in long term sustainability.

## Health and Safety

BS OHSAS 18001: 2007 Occupational Health and Safety Management

Health and Safety processes are an integral part of our working practices - safeguarding the wellbeing of our team and clients.





## Global Headquarters

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