



Lifting. Pulling. Deploying.



www.ace-winches.com

THE TOTAL SOLUTION PROVIDER

We are a global leader in the design, manufacture and hire of lifting, pulling and deploying solutions and the provision of associated hire personnel for the oil and gas, marine, decommissioning, civil engineering and renewable energy markets.

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.

We have delivered products and services to over 50 countries across all continents and continue to lead industry standards for quality and reliability. ACE Winches offers its clients bespoke tailor-made solutions.



Lifting. Pulling. Deploying.

INTERNATIONAL OPERATIONS

Our people are uniquely positioned around the globe to support customers across our engineering, manufacturing and rental services.



Lifting. Pulling. Deploying.

TRACK RECORD

WORKING IN MORE THAN
50 COUNTRIES



SPANNING
6 CONTINENTS



FIRST
MANUFACTURING
COMPANY IN
SCOTLAND
TO BE POWERED
BY RENEWABLE
ENERGY



TESTING
FACILITIES TO
1000te



BUILT IN
GREAT BRITAIN
ONE OF THE
WORLD'S LARGEST
CHAIN WINCH
PACKAGES
**178mm
CHAINLIFTER**



SAFELY DELIVERED
ENGINEERED DECK
SOLUTIONS ON OVER
**2500
PROJECTS**



OVER 25
YEARS INDUSTRY
TRACK RECORD

LARGEST
GLOBAL RENTAL
FLEET OF DECK
EQUIPMENT



Lifting. Pulling. Deploying.



Lifting. Pulling. Deploying.



SAFETY AND RESPONSIBILITY

ACE Winches recognises the importance of health and safety. With robust management systems in place and a deep rooted culture of safety and responsibility, ACE Winches are accredited to and fully comply with the following safety standards.

QUALITY

BS EN ISO 9001: 2015 Quality Management

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

ENVIRONMENTAL RESPONSIBILITY

BS EN ISO 14001: 2015 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.

ACE Winches is proud to harness wind resources and be the first engineering and manufacturing company in Scotland to be powered this way. ACE Winches embraced this energy generation by erecting a wind turbine situated within the Global HQ.

We are proud to announce that we have recently become a certified Carbon Neutral Company from 1st July 2021 as assessed by Carbon Zero.

HEALTH AND SAFETY

ISO 45001: 2018 Occupational Health and Safety Management

Health and Safety processes are an integral part of ACE Winches working practices - safeguarding the well-being of our team, clients and third parties.

Lifting. Pulling. Deploying.





Lifting. Pulling. Deploying.

We are proud to deliver a first-class engineering service to our clients, driven by the desire to provide a solution to any challenge.

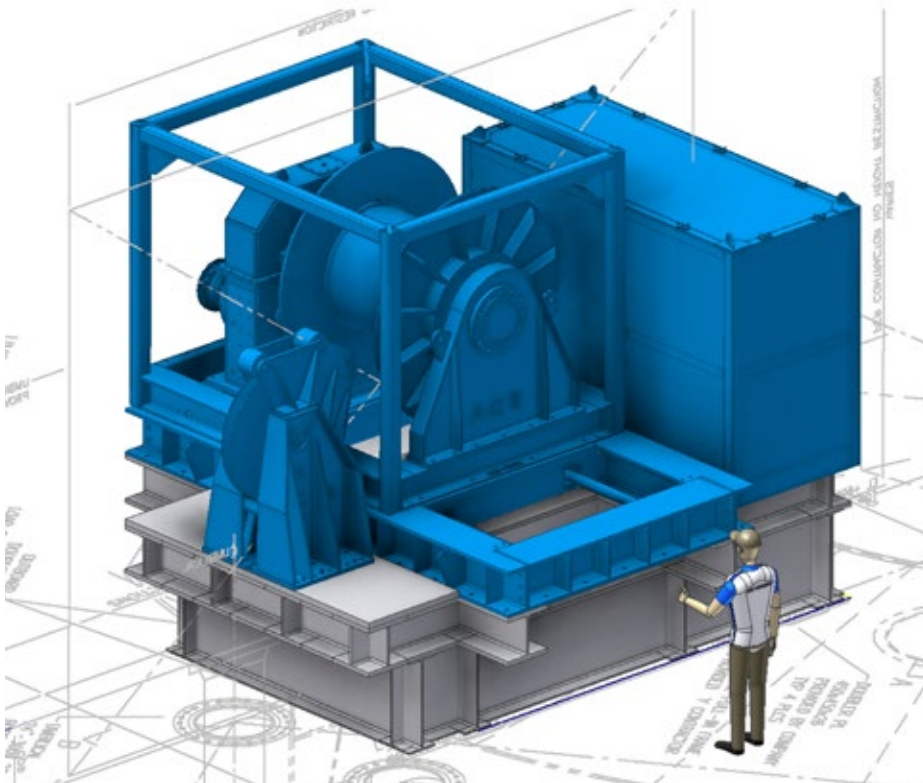
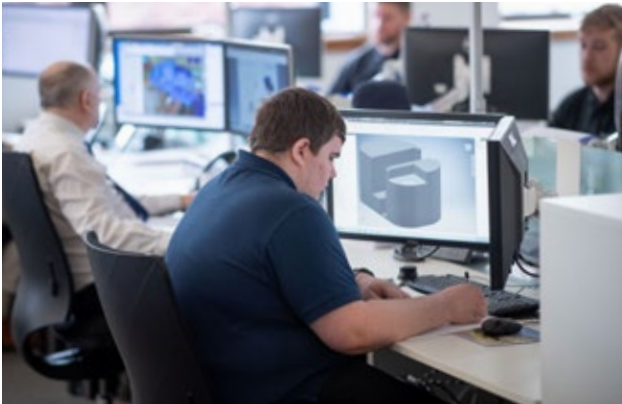
By engaging with our clients at the early stages of the project through to delivery, we can provide a full turnkey solution at any location globally.

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.

We have delivered products and services to over 50 countries across all continents, and continue to lead industry standards for quality and reliability. Our strength is offering clients bespoke, tailor-made solutions.

ACE ENGINEERING PROVIDES

- Front end engineering and design
- Engineering analysis / FEA
- Project management
- Subsea winch and handling solutions
- Platform modifications
- Structural engineering
- Mechanical engineering
- IRM consultancy
- PLC system design
- Load handling equipment
- Hydraulic and electronic control systems
- Equipment service, repair and troubleshooting



Lifting. Pulling. Deploying.



ACE MANUFACTURING

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

Dedicated in-house design, engineering and manufacturing capabilities, coupled with 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 with industry certification, as required by our clients.

We are an original equipment manufacturer, and our team of qualified engineers, technicians and project managers offer 24/7 support.

ACE MANUFACTURING PROVIDES

- Engineering
- Survey work
- Machining
- Fabrication services
- Pipework
- Structural steelwork
- Post-weld heat treatment
- Construction
- Painting and coatings
- Electrical installation

Lifting. Pulling. Deploying.





Lifting. Pulling. Deploying.



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 of thousands of units, allowing mobilisation of unique packages to suit client requirements. All equipment is subject to rigorous testing and conforms to relative EU and international safety directives. We are committed to the successful delivery of client's work scopes.

Our highly experienced project management team support client projects from start to finish, effectively managing all aspects of work with safety as prime focus.

WE SUPPLY FULL EQUIPMENT PACKAGES FOR

- Mooring systems
- Riser installations
- Pipeline pull-ins
- SURF
- Heavy lift operations
- Well intervention and IWOCS
- Topside and jacket installation
- Shore approaches
- Offshore wind solutions
- Pipeline and cable
- Wire and umbilical spooling

Lifting. Pulling. Deploying.





Lifting. Pulling. Deploying.



ACE HIRE PERSONNEL

ACE Hire Personnel support our products and clients by offering multi-disciplined, skilled operators, qualified to commission and operate all types of deck and platform equipment worldwide.

Qualified ACE personnel have decades of experience in the marine and offshore industry, holding full offshore safety survival certification, as a minimum.

Our teams are available to be deployed globally, at short notice.

ACE HIRE PERSONNEL PROVIDE

- Survey engineers
- Applications consultants
- Structural design engineers
- Hydraulic, mechanical and electrical engineers
- Commissioning engineers
- Winch operating technicians
- Wire spooling technicians
- Carousel, powered reel and tensioner operators
- Hose reel operators
- Offshore riggers
- Rope access technicians

Lifting. Pulling. Deploying.





Lifting. Pulling. Deploying.

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

We are an original equipment manufacturer, and provide global support 24/7 by our teams of qualified technicians. Master Service Agreements and packages are available to clients owning and operating ACE Winches equipment and/or third party equipment.

Our team is committed to supporting clients to maximise operational efficiency, utilisation and capability, whilst reducing equipment stoppage and loss of operation. All equipment is subject to comprehensive testing prior to delivery. ACE Services also incorporate a product sourcing facility to supply third-party products, including wire ropes, hydraulic and electric components, and spare parts.

ACE HIRE PERSONNEL PROVIDE

- Offsite commissioning
- Reverse engineering
- Feasibility studies
- FMECA and engineering surveys
- Product support
- Product upgrades
- Equipment overhauls
- Survey technical support
- Global service contracts
- Master service agreements
- PLC and electrical troubleshooting
- Hydraulic servicing
- Equipment repairs



Lifting. Pulling. Deploying.

ACE Winch Academy provides 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 a specific focus on developing competency to ensure safe deployment, management and operation of winches and deck machinery.

The ACE Winch Academy offers a series of core courses, and bespoke training to meet client's needs, all of which can be delivered at our facilities in Turriff, Aberdeenshire, or at the client's operational site.

ACE WINCH ACADEMY PROVIDES TRAINING IN

- Winch Familiarisation
- Winch Awareness
- Winch Operator
- Winch Operator Advanced
- Linear Winch Operator
- Spooling Operator
- Reel Drive System Operator
- Standard Hydraulic Component Familiarisation
- Overhead Gantry Crane
- Lift Planning and Load Hazard Awareness
- Working at Height
- Manual Handling
- Abrasive Wheels Awareness
- Lifting Equipment Inspection
- Wire Rope Socketing
- Wire Rope Examiner/Inspection



Lifting. Pulling. Deploying.



Oil and Gas

ACE Winches is an established global provider with a proven track record in the supply and support of a comprehensive range of products, services and bespoke engineering solutions for oil and gas exploration and production in deep or shallow water operations.

The full range of services include design, engineering, manufacture and hire of lifting, pulling and deploying solutions, 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/or platforms.



Marine

ACE Winches has an extensive range of products and services available to all sectors within the marine industry.

With proven engineering experience, the company has the strength and capability to **adapt and innovate** their product and service offering for client specific projects. ACE Winches is an ideal partner within the marine industry for both domestic and international markets.



Renewables

With offshore wind and tidal projects being delivered across Europe, ACE Winches is ideally located and equipped to provide solutions for the renewable industry.

That includes equipment for installing offshore wind turbines, cable lay, trenching, mooring and spooling. All of which can be supported by ACE Winches Hire Personnel.

ACE Winches uses the knowledge and experience gained in the Oil and Gas market to develop **innovative solutions** for the **renewable energy** market.



Decommissioning

Working closely with their clients **ACE Winches** delivers robust solutions for the decommissioning sector, and is committed to supporting project scopes.

The companies expertise and experience is based on a proven track record in developing **innovative solutions and reliable products** and services to support ACE Winches clients' specific requirements. Offering an extensive range of specialist equipment and personnel deploying globally ACE Winches can support riser decommissioning, recovery of cables and umbilicals utilising a combination of RDS (Reel Drive System), tensioners and spoolers.



Ports and Terminals

ACE Winches support ports and harbour infrastructure development with a full range of equipment and services for operational use in dry-docks, slipways, **LNG Terminals** and ship lifting systems.

The company's **in-house technical expertise** includes design, planning, engineering, manufacturing, testing, development and operation of either standard products or a **bespoke solution** to a client's specific requirement.



Civil Engineering

Providing specialist equipment to the civil engineering sector, with in-house capabilities for complex engineering **ACE Winches** offer innovative solutions to meet the project requirements.

The company offer specialist personnel, technical engineering expertise and a broad product range including cable lay, pipe pulling, cable/pipe installation, anchoring and mooring construction barges, bridge launching, bridge and viaduct construction, tunnelling, infrastructure development, coastal, river and flood engineering through to mining applications.

PRODUCTS



Drum Winches

ACE Winches manufacture standard and bespoke drum winches, available in single or double drum configurations.

Drum winches are designed for lifting, pulling and deploying applications and, depending on clients requirement, can be hydraulically, electrically or pneumatically driven.

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



Linear Winches

ACE Linear Winches are engineered, designed and manufactured for a wide variety of applications requiring high line pulls.

Suitable for use in land based shore pulls, offshore deployment and recovery operations, landfall, pipe-pulls, construction, salvage and other associated direct pulling operations.

- 10 Tonne - 800 Tonne*
- Automatic / Manual Socket Passing
- PLC Controlled
- Chain Linear Winch
- Wire Rope Linear Winch
- Continuous Pull
- Intermittent Pull
- Controlled Lowering



IWOCS Systems

ACE Winches range of standard and bespoke IWOCS products are available in configurations to meet clients project requirements.

- Launch and Recovery Systems
- Subsea Deployment Solutions
- PLC Controlled Spooling
- Constant Tension
- Hydraulic / Electric Drive
- Suitable for Hazardous Areas
- A-Frames
- Active Heave Compensation
- Docking Heads
- Adjustable Exit Angle

* Alternative sizes are available upon request

Lifting. Pulling. Deploying.

ACE Winches specialises in lifting, pulling and deploying products for the **oil and gas, marine, decommissioning, civil engineering and renewable energy** markets.



Reel Drive System

The ACE Winches' Reel Drive System (RDS) accommodates reel sizes to suit individual client requirements.

The RDS is designed and manufactured for use in controlled, high tension spooling, deployment and recovery of subsea products globally from umbilical's, risers and flow lines, flexible pipelines, power cables, telecoms and tubing to wire ropes and mooring lines.

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



Track Tensioner

The ACE Track Tensioners include a caterpillar track system for hauling or veering cable, umbilical, steel pipe or similar round tubular products.

The units have been designed for horizontal and vertical deployment. Enclosed within a lift frame the Tensioners operate by gripping the product between two or four track carriages where the track links are fitted with "V" shaped pads.

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



Chain Winches

ACE Winches manufactures Chain Winches which can be used for hoisting, deployment, mooring and general pulling applications.

The Chain Winches are fitted with interchangeable large diameter chain lifters, each built to suit a particular chain size dependant on project requirements.

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

PRODUCTS



Umbilical Reelers

ACE Umbilical Reelers are designed to deploy and recover hydraulic or electric/fibre optic subsea umbilical products. The umbilical reelers are available as electric, hydraulic or pneumatic driven units supplemented with external HPUs. Standard and bespoke umbilical reelers are available in single or various double drum configurations.

- Hydraulic Driven
- Electric Driven
- Pneumatic Driven
- Hydraulic Umbilical Controls
- Electrical Umbilical Controls
- Hydraulic / Electrical / Fibre Optic Slip Rings



Hydraulic Power Units

Hydraulic Power Units (HPUs) are designed to provide power to hydraulically driven equipment such as Winches, A-frames, Umbilical reelers, and Spooling Winches.

- 5.5kW - 2MW*
- Electric / Diesel Hydraulic Power Unit
- Open / Closed Loop
- Safe Area / Zone II / Zone I
- DNV Frame Works
- Containerised Systems
- PLC Safety Systems



Fast Winch & A-Frame

The Fast Winch and A-frame Package comprises of a compact high speed winch with high wire capacity and a hydraulically extending A-frame mounted together on a common base frame. This model provides a compact and efficient subsea handling package which can be easily installed, removed and transported as a complete unit.

- 5 Tonne - 150 Tonne
- Hydraulic Operated A-Frame
- Line Load Read Out
- Constant Tension
- Fixed Boom
- Hydraulic Telescopic
- Hydraulic Extendable
- Scissors Type A-Frame

* Alternative sizes are available upon request

We offer **flexible options and tailored solutions**. An extensive range of winches and marine deck machinery that are capable of operating in the harshest environments and markets.



Spooling Winches & Reels

With standard and bespoke units the Spooling Winches are designed to facilitate the installation or removal of wire, rope or umbilicals from winches to storage reels under constant back tension.

- 10 Tonne - 500 Tonne*
- Wire Storage Winch
- Hydraulic, Electric and Pneumatic Driven
- Drill Line Spoolers
- Capstan Traction Tensioners



Rope Traction Winches

ACE Winches standard and bespoke traction winches, available in various configurations are manufactured to suit different types of wire, fibre rope or umbilical product.

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



Rollers, Sheaves & Fairleads

A series of Rollers, Sheaves and Fairleads are available from ACE Winches. The units are rated and orientated to guide the wire as required by the application.

- Fixed change of direction sheaves
- Swivelling change of direction sheaves
- Fixed over boarding sheaves
- Swivel head fairleads
- Roller box fairleads



TESTING FACILITY

The ACE Winches testing centre delivers function testing, spooling and mobilisation of equipment. Load testing, brake testing and proof loading are all carried out by experienced and trained technicians.

The size and capacity of the test facilities enables ACE Winches to replicate on site project configurations to fully test packages to clients' specific testing requirements.

Within the ACE Winches test centre, there are indoor fully covered 200te and 400te test beds to deliver spooling operations for all umbilical and wire rope testing. Within the ACE test centre there are additional test bed capabilities of testing up to 800te dynamic load and 1000te brake and pull test, complete with a 150te test tower for simulating operations offsite.

TEST BEDS AVAILABLE ON SITE

- 200te static test bed
- 400te static test bed
- 800te dynamic test bed
- 1000te static test bed
- Test tower - 150te dynamic



Lifting. Pulling. Deploying.

Lifting.
Pulling.
Deploying.



Global Headquarters

ACE Winches

Towie Barclay Works

Turriff | Aberdeenshire

Scotland | AB53 8EN

T: +44 1888 511600

E: info@ace-winches.com

www.ace-winches.com

ACE Winches Norge AS | Stavanger, Norway

ACE DMCC | Dubai, UAE

ACE Inc | Houston, Texas