

CERTEX Renewables Your Global Partner

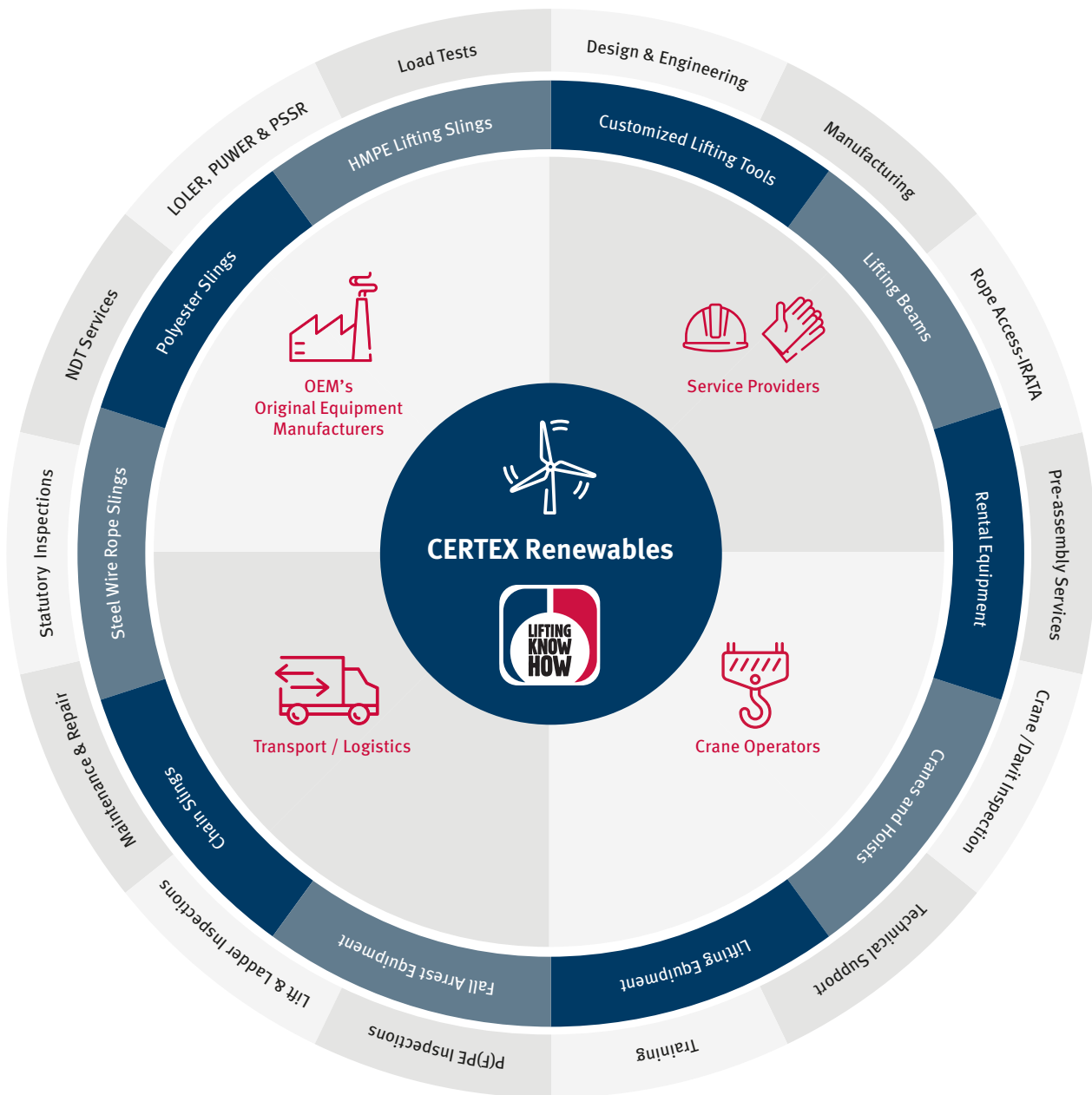


Content

03	CERTEX Renewables division
05	Lifting, inspection & engineering
07	Global partner - Europe, USA, Australia & China
08	Experts in customized solutions
09	Maximum quality equipment
10	Standard lifting equipment
11	Product brands
12	On-site engineering services
13	Personal height safety
14	Rental equipment
15	Our load test facilities
16	Our certificates
17	Setting standards for a more sustainable future
18	Company brands
19	Lifting KnowHow

CERTEX Renewables division

CERTEX Renewables division support both OEM's as well as service providers, crane operators and transport and logistics companies who operate in the renewable energy industry. Below you will find an overview of our customer segments, product range and the services we provide.







**130+ years
experience**

Lifting, inspection & engineering

We are your long-term global partner

CERTEX Renewables division has extensive experience in providing tools, products and services to leading operators and manufacturers in the wind and renewables industry.

Thanks to our large Lifting Solutions Group, we have access to manufacturing facilities in more than 100 locations in Europe, USA, Australia and China.

Our products include customized and standard lifting equipment, steel wire rope, cranes, fall protection equipment and innovative products and solutions.

We offer services which include statutory inspection, maintenance and repair by our competent on-site engineers.

Products and Services

- Design, engineering and manufacturing of customized lifting tools
- Statutory inspections
- Pre-assembly services
- Proof load tests and dynamic tests
- Lifting and HMPE slings
- Lifting equipment
- Cranes and hoists
- Crane and davit inspection and repair
- Hire of rigging containers and lifting equipment
- LOLER, PUWER and PSSR inspections
- Fall arrest equipment and P(F)PE inspections
- NDT services
- Rope Access-IRATA
- Inspection and commissioning of lifts and ladders
- Maintenance and repair services
- Training and technical support





Global partner

Europe, USA, Australia & China

Lifting Solutions Group covers Europe

CERTEX Renewables division is part of Lifting Solutions Group, a global player specializing in lifting products and solutions. These market leading companies are well known and established in their local markets and several have been around for more than a century.

Facts about Lifting Solutions Group

- 20 countries
- 22 companies
- 100+ locations
- €350 million turnover
- 1450 employees

Expansion to USA, Australia China and Taiwan

CERTEX Renewables division is on an expansion journey, allowing us to keep up with increasing inquiries from our customers who operate globally and request our services and solutions. CTX Lifting Solutions (our U.S. subsidiary) is located in Houston, Texas and our most recent locations are to be found in Ningbo, Zhejiang and Taichung, Taiwan as well as several places in Australia (see map above).

Our recent expansions are natural steps for CERTEX Renewables division. The renewables industry is moving fast and our global presence helps us support our customers in the best way possible where and when it is needed.



**In-house
engineering**

Experts in customized solutions

Best-in-Class Engineering

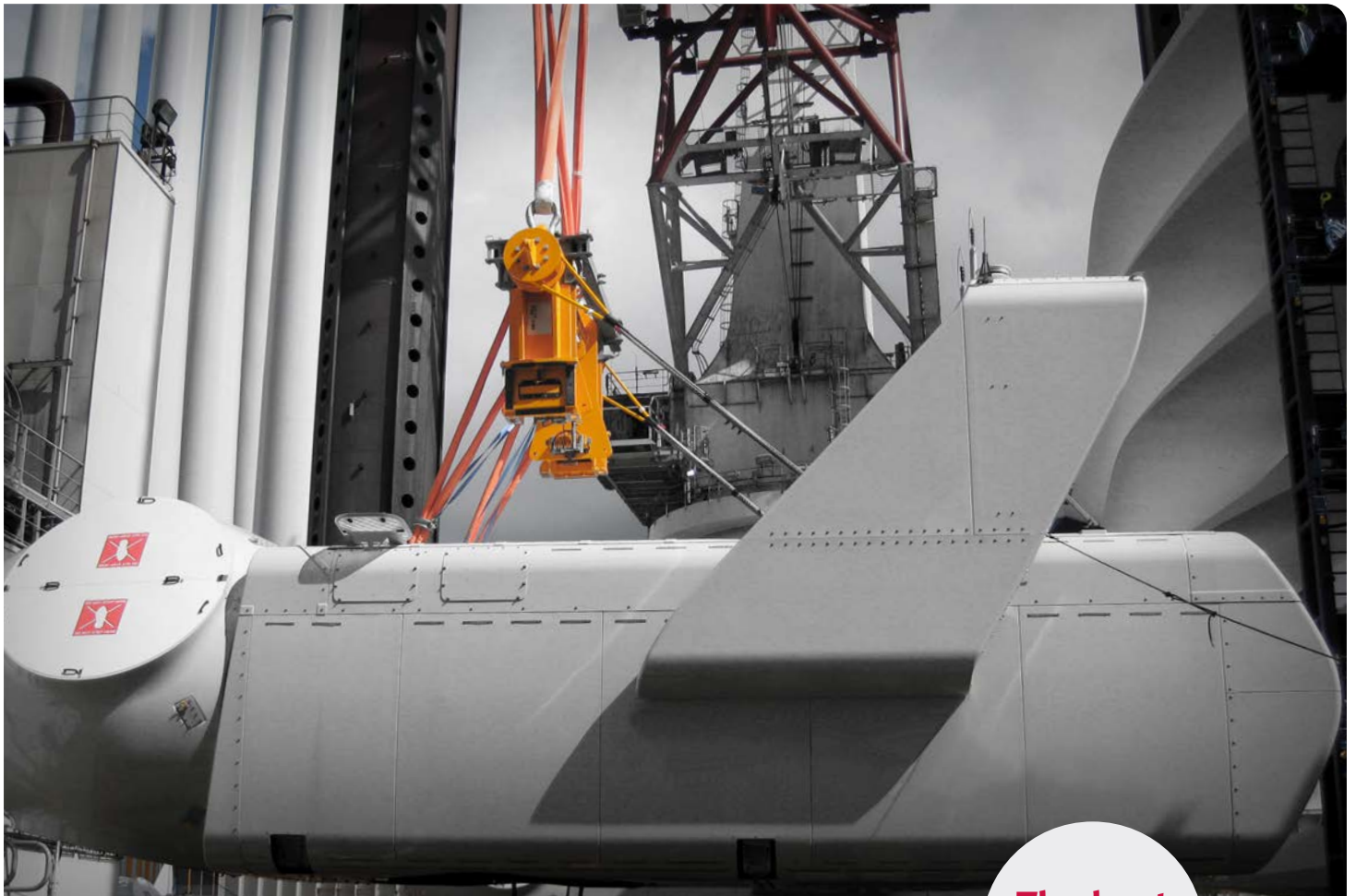
Our customers in the renewable energy industry are challenged with some of the most complex and heavy lifting tasks, when they have to move items such as nacelles, blades or other large components. It is our job to make sure those jobs can be performed in a safe and smooth way.

Our engineers are experts in designing and constructing customized lifting solutions. Our team consists of 10+ engineers and engineering technicians who all work in our “Solution Center”. They have both the experience and technical skills, and they have done it all from small and simple lifting beams to large complex tools with mechanical functions.

Let us know your lifting challenge and we will find the best solution!

We offer the following services:

- Design of lifting and handling equipment
- Project management
- CE marking of equipment according to the Machinery Directive 2006/42/EF
- Structural analysis
- Rigging calculations
- Design according to EN/DNVGL/ASME
- User manuals
- Risk assessment
- 3D and 2D drawings
- 3D print
- Manufacture in own production unit
- Load test in our test facilities
- SAT and FAT (Site- & Factory Acceptance Test)



**The best
solutions**

Maximum quality equipment

When developing tools, our in-house capabilities: engineering team, production team and testing facilities, enable us to follow the product closely from the early drafts to the final fine-tuning and proof load tests - ensuring the quality in each step.

Lifting Equipment in Accordance with

- **EN13155** Cranes, Safety, Non-fixed load lifting attachments
- **DNVGL-ST-0377** Standard for shipboard lifting appliances
- **DNVGL-ST-0378** Standard for offshore and platform lifting appliances
- **DNVGL-ST-E271** Offshore containers
- **DNVGL-ST-E273** Portable offshore units
- **ASME** American Society of Mechanical Engineers

We design various types of cranes for onshore and offshore use. We offer both standard and customized solutions.

Crane Design in Accordance with

- **DS/EN 13001-1** and **DS/EN 13001-2** General crane design
- **DS/EN 15011** Bridge and gantry cranes
- **DS/EN 14985** Slewing jib cranes
- **DS/EN 13852-1** Offshore cranes

When you receive your lifting tool, it is CE marked with full documentation and user manual.



Standard
range

Standard lifting equipment

Our Product Range

With CERTEX as your partner, you can always be sure that our products meet the quality and safety requirements. We offer products from the world's leading manufacturers including our own brands and we continuously develop our product range in collaboration with customers and suppliers.

We stock more than 12,000 items, which means that we can provide quick delivery in urgent matters. Should you ever have any doubt about which equipment is best suited for the job, our consultants are always ready to help.

Some of our Standard Products:

- Steel wire ropes
- Chain slings
- Polyester slings
- HMPE lifting slings
- Shackles
- Lifting points
- Loose lifting gear
- Hoists and trolleys
- Lifting beams
- Fall arrest equipment

Product brands

House of
brands

Our own Private Label Product Brands

More than 130 years of experience has made us true experts in lifting products and solutions. We offer world leading premium brands, but we also design and produce our own tools and equipment. All our products 100% comply with relevant standards and applicable regulations and they are made at strictly controlled and audited production centers. Our own private label brands are explained below.

CERTEX

Our CERTEX product range has custom-made lifting tools designed and manufactured by CERTEX.

CTX

Our CTX product range has innovative custom-made lifting tools designed and manufactured by CERTEX.

ROPETEX

Our ROPETEX product range has high-quality steel wire rope for general use as well as high performance, PVC coated and stainless steel wire ropes.

POWERTEX

Our POWERTEX product range has quality and cost-effective standard products for lifting, cargo securing and working at heights.



**Inspection
& repair**

On-site engineering services

Statutory Inspections

CERTEX Renewables offers statutory inspection services performed by our on-site engineers, who are GWO trained as well as competent with industry and manufacturers training. In addition, they are supported by our world-class real-time data management database. Our inspection services are offered world-wide.

Construction of Windfarms

CERTEX Renewables has 15 years of experience supporting construction of windfarms throughout Europe and world-wide.

Services Offered

- Statutory inspections
- Pre-assembly services
- LOLER, PUWER and PSSR inspections
- Lift inspection, service, repair and commissioning
- Crane/davit inspection, service and repair
- WSE services
- Rope Access-IRATA
- BAFE fire extinguishers inspections
- Fall arrest equipment and P(F)PE inspections
- NDT services
- Maintenance and repair services
- Training and technical support



**Safety
matters!**

Personal height safety

P.F.P.E Inspection

CERTEX Renewables offers complete management of all of your personal protection equipment (PPE) and personal fall protection equipment (PFPE) for which we have specialized workshops and stores.

Our skilled and competent inspectors take care of the daily examination of your equipment. All certification records are kept securely and available for you online. Our inspectors have been trained by manufactures of PFPE & PPE as well as the industry leading inspection authority.

Rope Access

CERTEX Renewables is IRATA accredited and can supply rope access teams globally.

Fall Arrest

We have an extensive range of height safety (fall arrest) equipment from world leading brands such as Skylotec and our own brand Powertex.

Products Offered

- PPE kits
- Lanyards and safety ropes
- Safety harnesses and belts
- Fall arrest blocks
- Rescue/emergency evacuation
- Anchor point, carabiners, safety helmets and other accessories



**Tools on
demand**

Rental equipment

Rental enables you to have temporary access to a complete set-up of lifting tools, convenient for project based operations.

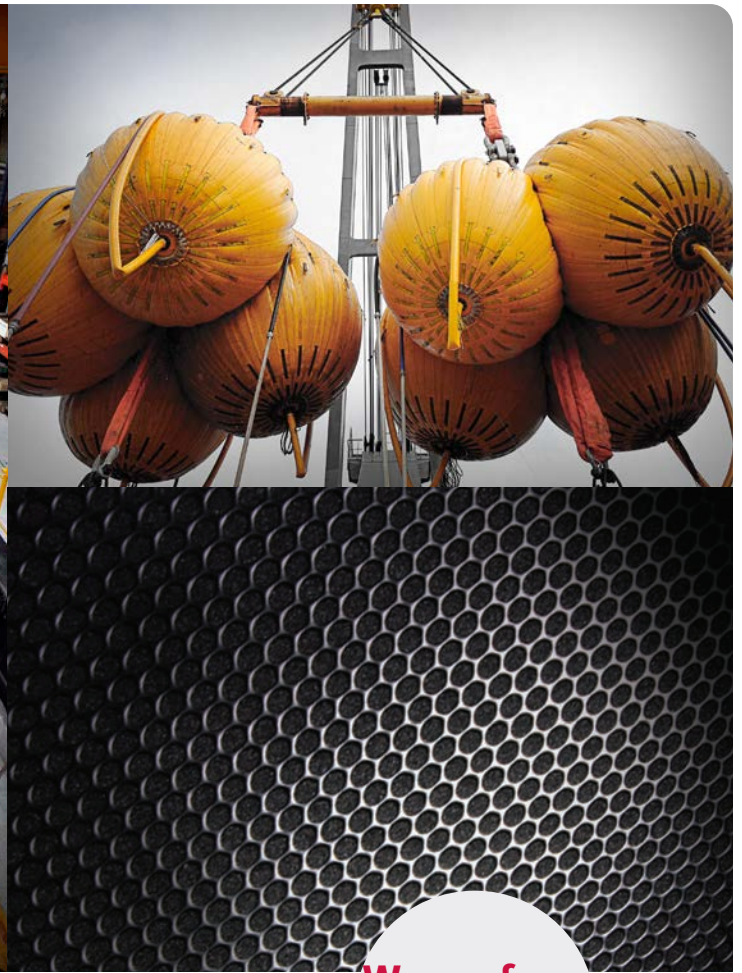
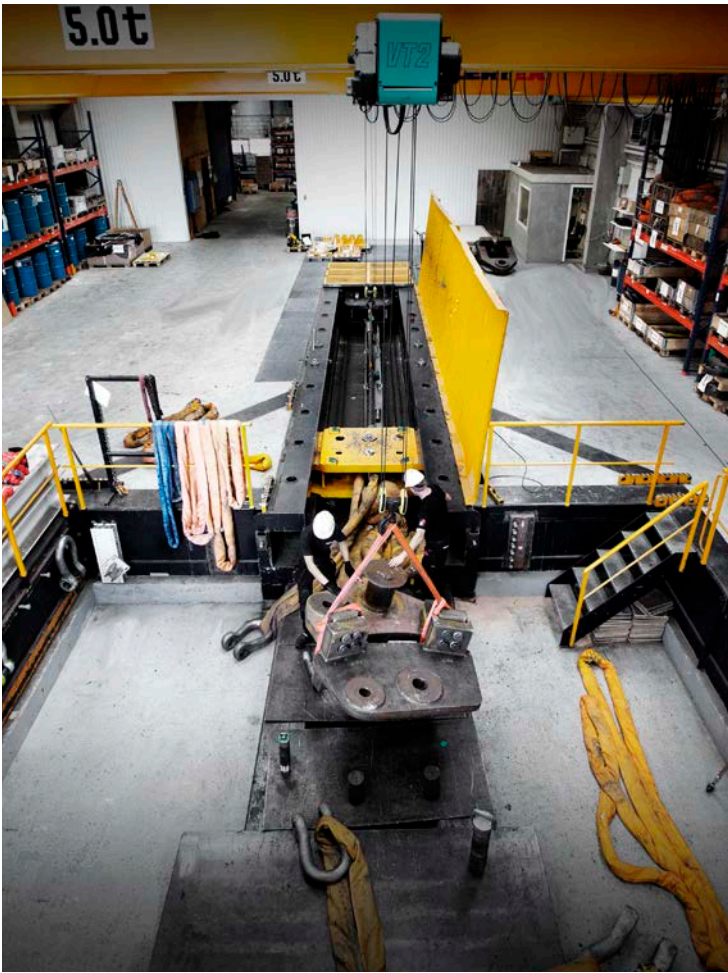
We know it is crucial to have the right lifting equipment ready for use and adapted to the different phases of projects.

CERTEX rents equipment which is tested and checked in accordance with existing regulations and includes certificate.

A range of standard equipment is available for rental from our warehouse and upon request we can also provide special items.

Our Equipment Range

- Jacks
- Dynamometers
- Heavy-duty cargo skates
- Crane weighers
- Lifting magnets
- Lifting beams
- Lifting clamps
- Round slings
- Shackles (up to WLL 500 t)
- Lubrication devices
- Spooling machines (up to WLL 80 t)
- Hoists, trolleys and winches
- Tension machines
- Water Weights



**We perform
load tests**

Our load test facilities

In-house test center

We have multiple in-house test centers where we can test up to 1,430 ton. Heavier test loads are performed in collaboration with our external partners.

In our horizontal test bench, we carry out pull tests and breaking tests. We test subjects such as steel wire rope, lifting chains, lifting beams etc. The special design of the bench enables us to do pull tests (angle tests) of subjects up to 500 ton and 7 meters wide.

Our test bench is equipped with precise sensors that will reveal any elongation. The test can be video filmed and delivered to you as documentation. All tests are performed in a controlled and safe environment.

Water Weights

Water Weights are specially designed bags that allow testing of very heavy loads such as cranes, bridges and flight decks. Water Weights typically weigh less than 2% of the achievable load, the remaining 98% is water.

The technology is simple, safe and adaptable, which means you can deploy it practically anywhere – indoor and out, on- and offshore, at your home base or on the other side of the planet.



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CERTEX Renewables
is certified according to
quality, environment,
health & safety

Our certificates

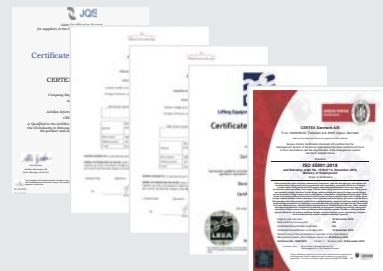
At CERTEX Renewables we do not compromise when it comes to quality, environment, health and safety. It is important to us to ensure the quality of the goods and services we provide, making sure our customers always know and trust us as a reliable partner who shows good practice.

We also aim for a high level of well-being among our employees – we want them to have the opportunity to develop both personally and professionally in a safe working environment.



Certificates within our group

- ISO 9001:2015 (quality)
- ISO 14001:2015 (environment)
- ISO 45001:2018 (health & safety)
- Achilles JQS certificate
- Full member of LEEA (Lifting Equipment Engineers Association)
- Member of and certified by Kranbranchen



See all certificates on our local websites



**Ambitious
goals**

Setting standards for a more **sustainable future**

Making sustainability happen

At CERTEX Renewables we believe that sustainability is the key to secure our future as a company. We address sustainability through the three focus areas of:

- **Sustainable supply chain** – By working closely with suppliers who share our values and meet our sustainability standards, we move towards a sustainable supply chain.
- **Sustainable operations** – Through resource efficiency and highly engaged employees, we strive to achieve sustainable operations.
- **Sustainable customer offer** – Through Lifting KnowHow, we provide our customers safe products to meet customer's quality expectations and to improve their sustainability performance

With a strong foundation built up of the Lifting KnowHow promise together with our core guiding principles, CERTEX Renewables is thinking long term and making sustainability happen.

We belong to Axel Johnson International with very ambitious goals, which are set to achieve long-lasting change. Visit our sustainability website sustainability.axinter.com to learn more about our work and agenda.

Code of Conduct

It is essential that all parties involved in our supply chain are treated with respect and dignity and have good working conditions and responsible manufacturing processes. We demand that all our suppliers both sign and operate in compliance with our Code of Conduct, which is based on international directives and regulations.

Company brands



Companies within CERTEX Renewables

We operate as a group of companies with strong local brands and presence. Together we support global customers world-wide.

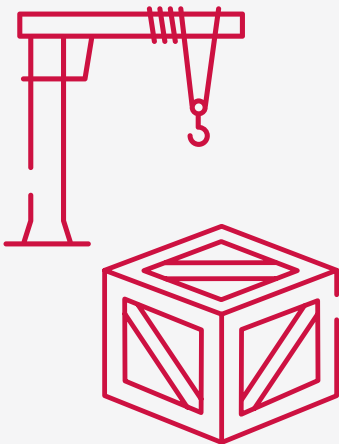


Lifting KnowHow

Lifting KnowHow is about safety and our efforts to reduce the number of accidents that occur during lifting. For many years, we have delivered innovative solutions to our customers' lifting problems, and through this we have developed extensive expertise and experience.

Learn more about our Lifting KnowHow - visit our website.

Challenge



Lifting KnowHow

Customized solutions

Consultancy

Standard products

Rental equipment

Service inspection

24/7/365 service

Mobile service team



Solution

Your advantages

- High safety
- High efficiency
- Timesaving
- Cost reduction
- Full documentation
- 24/7/365 support
- Quick delivery

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CERTEX Renewables division is a global player specializing in lifting products, services and solutions. We support customers within the renewable energy industry all over the world.

certexrenewables.com