
R&D
TEST SYSTEMS
Become a part of
our team

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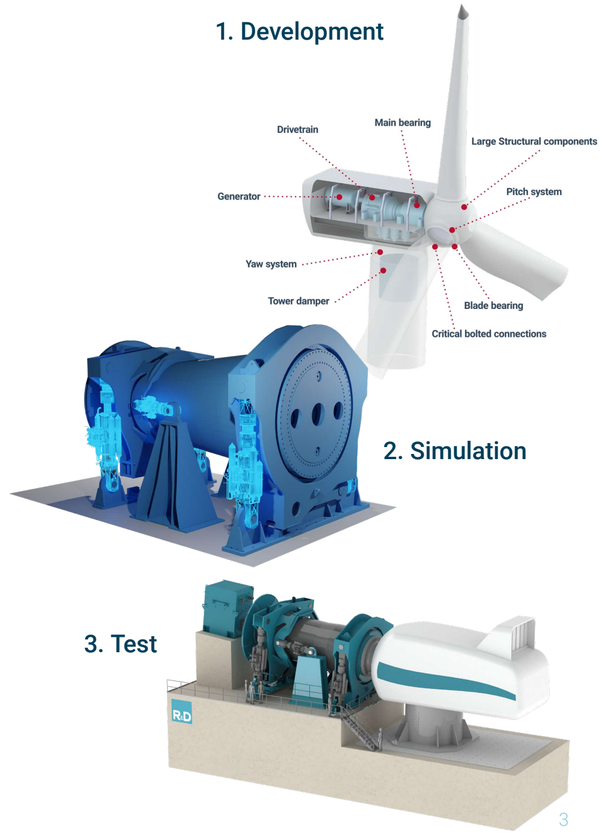
01 Who are R&D Test Systems?

R&D Test Systems is one of the world's leading suppliers of large-scale turnkey test systems and consultancy to the wind and aviation industry. With more than 15 years of experience, we help our customers bring new state-of-the-art technology to the market. We have a tradition of having a high level of expertise and a flat organizational structure, which makes professional feedback a natural part of our workday.

Our strength lies in our highly skilled employees, specialised within a variety of fields and with in-depth industry knowledge. We are 170+ skilled engineers specialized within all engineering disciplines, including mechanics, electronics, hydraulics, and software.

We are well-known for development and innovation, delivering world-class engineering to our customers. As a result, we attract clients that are market leaders. Companies such as Vestas, Siemens-Gamesa, and Rolls-Royce.

To accommodate our customers' needs, our business is divided into three areas: (1) We have specialists and teams for development projects. (2) We simulate with digital test systems, hybrid testing, and digital twins. (3) We deliver the world's largest test systems.



02 How is it to work at R&D Test Systems?

Why become a part of R&D Test Systems?

Some of what makes R&D Test Systems a unique place to work is how we act towards one another. You will quickly experience that you have become a part of a company that values workplace relationships – and as we all know, it makes it much easier to work together when we know each other.

As a part of R&D Test Systems' team, you will work with projects that will both challenge and inspire you. You will develop your skills and expand your knowledge. Working at R&D Test Systems will provide you with real-life professional challenges from an international engineering company. As a member of the team, you get to work with some of the industry's most innovative and competent minds. Meanwhile, learning from the best, we ensure that you develop your skills and gain valuable experience.

We go that extra mile to help each other succeed. You will be an essential part of something bigger; creating value through world-class engineering.

'I work at R&D Test Systems, as my everyday work-life varies, and the company is large enough, with plenty of room for professional development through different types of tasks. I like to be versatile and do different things, which I have the opportunity to do here'.

Rasmus Schmidt, Project Engineer at R&D Test Systems

'We mean it when we say that flexibility has to go both ways, and we understand there needs to be time for both career, spare time, and family time. We offer flex time as well as fruit and lunch in our canteen which serves delicious hot and cold dishes every day.'

Betina Andersen Head of HR at R&D Test Systems.

03 Meet our employees

David Høgh, Electrical Engineer

“You spend a lot of your waking hours at work, which is why it is incredibly important to have good colleagues. The good atmosphere between my colleagues and me also affects our professional collaboration. All of this helps us to deliver inspiring and innovative solutions time after time, which we celebrate together as a team.”

Casper Grumsen, Senior Mechanical Engineer

“The energy and culture are also affected by the fact that we are ‘first movers’. You cannot work with the same tasks elsewhere. We have some super exciting projects which ensure that you are developing and stay on your toes. Together, we strive to develop our competencies, ideas, and solutions, which is very motivating. This means that I never show up at work and think that it will be a long day or keep an eye on the clock.”

Jens Dissing Sønderby, Electrical Engineer (former intern)

“R&D Test Systems has an attractive work environment, both the office facilities and the spirit between coworkers. I enjoy working with turnkey solution systems. At R&D, I am part of a growing electrical engineering team that handles many exciting projects. R&D Test Systems has strengthened both my professional and personal competencies.”

David Høgh

Casper Grumsen

Jens Dissing Bendtsen

‘I applied for an internship at R&D Test Systems without knowing the company. I really only knew the big names in the industry, but I had heard a lot of good things from my fellow students that R&D Test Systems was cool and gave responsibility to the new graduates’

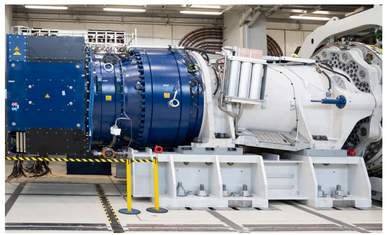
Jens Dissing Bendtsen, Electrical Engineer (former intern) at R&D Test Systems.

04 A glimpse of our projects

As we are a highly specialised company with experts in different engineering subjects, our workplace is rich in knowledge and a variety of projects. If learning is what drives you, R&D Test Systems is the right place for you, as you will be working with skilled engineers who love to share knowledge between colleagues. Read more about the kind of projects you will have the opportunity to work with at R&D Test Systems.

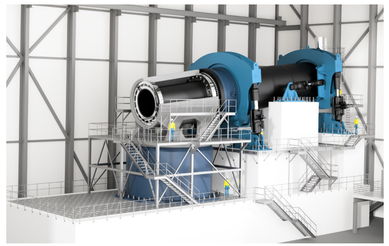
25 MW Nacelle Test Facility

The 25 MW Test Facility at LORC is the largest and most powerful on the market. Mounted on a 30-meter-long concrete base, it features a 25 MW drive motor that is 15 meters in diameter, and the system can deliver a tilt moment of 85 million Nm. This allows the test bench to simulate the harshest of wind conditions when testing the next generation of wind turbines prototypes to make sure that new turbines can withstand the different scenarios experienced after installation offshore.



End-Of-Line test system

R&D Test Systems has developed and delivered two turnkey End-Of-Line (EOL) test systems, designed to test wind turbine drivetrains at two of Flender's production sites. Flender integrated a new production line in two of their factories at which they are manufacturing and assembling complete drivetrains for their customers. The EOL test benches are based on the electrical back-to-back principle, which means that Flender can set up two full drive trains opposite each other and test them simultaneously.



Blade testing technology

We have developed a new blade test system enables unique fatigue testing possibilities The Dual Axis Exciter is a full-scale multi-axis fatigue blade test system that can simultaneously apply flapwise and edgewise loads. This setup ensures not only that the test system applies test loads equivalent to the loads experience under operation on the turbine but also reduces the overall duration for testing of the blades. The exciter is powered by two independently controlled electric motors that simultaneously can apply combined flapwise and edgewise forces to the blade.

30 MW test bench to empower a sustainable future

In 2022, we recieved our largest order to date. R&D Test Systems will develop the 30MW powertrain and gearbox test bench for ZF Wind Power's future "Test & Prototype Center" at Lommel, Belgium that will house the world's most powerful validation test bench for wind turbines. Despite weighing 5700 tons and with a drive torque of 45 million Nm – equivalent to the load of 30 family cars dangling from the end of a 100-meter turbine blade – and a bending moment of up to 64 million Nm, the test rig can cope with test components of varying dimensions.

Main Bearing Test Bench for +25 wind turbines

R&D Test Systems is building the most powerful test bench for wind turbine main bearings. LORC is the owner of the new main bearing test facility, which will be delivered in 2025. Capable of supplying six axial loads to the main bearing arrangement - thrust, horizontal and vertical forces as well as torque, tilt and yaw moment – the test load unit will be able to apply bending loads of more than 100 Mega Newton meter and thrust force of more than 10 Newton meter. The test load unit enables the test bench to simulate the effect of years of wind conditions in just a few months.

05 Q&A

Who are you looking for?
We are looking for students and newly graduated, both bachelor's and master's degree, who would like to gain professional experience. We also welcome internationals.

How is your work/life balance?
We have fun - and not only at work. Besides the annual Christmas party, our employee social club organizes various social activities, such as go-kart, stand-up paddle, cooking class, Friday bar, and padel.

How should I write my application?
We recommend that you carefully read the job description and explain why you are applying for a specific position within R&D Test Systems. We expect you to upload your CV and cover letter.

Where can I apply?
You can see our open positions or send an unsolicited application at https://rdtestsystems.com/career/

What other benefits are there?
Besides flexible working hours and payment for overtime, you will get access to our canteen with nutritious and delicious food.

How about salary?
Salary is after qualifications, and as an Engineer intern you will also receive payment for your work.

How long is an internship?
The internship usually lasts for five months, starting in February for the Spring term and August for the Autumn term.

Can I get a job after the internship?
We have had great success hiring interns after the internship has ended, so there are great possibiliites for a permanent full-time job when you finish your internship.

Follow us on **LinkedIn** to learn more about how it is to work at R&D Test Systems.

06 Get in touch with us

If you are interested, get in touch for a friendly chat about your possibilities.

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