

About us



With a worldwide installed capacity of 124 GW, Siemens Gamesa Renewable Energy has a presence in more than 100 countries and a team of 27,000 people worldwide. Its end-to-end value chain presence encompasses onshore and offshore wind turbines design, manufacturing, installation as well as cutting-edge service solutions. The global headquarters and legal domicile of the company is located in Zamudio, Spain. The company is listed on the Spanish Stock Exchange.

It takes the brightest minds to be a technology leader. It takes imagination to create green energy for the generations to come. At Siemens Gamesa we make real what matters.

Siemens Gamesa has a vision for renewable energy: we believe in the power of nature and technology. Help us to be ready to face the energy challenges of tomorrow and make a green footprint – join the team in creating a better future for us on our planet.

We focus on hiring the best people, wherever they may be in the world. We pride ourselves on the flexibility we offer to our employees and are committed to building a workforce that can grow with the company. Siemens Gamesa is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.

In our culture of trust, we focus on empowerment, diversity and continuous learning. Valuing our people is what makes us one global team, with our colleagues' safety at the heart of our organization. Read more about your future team and employees' stories [in our brochure](#).

How to contribute to our vision

We are looking for a self-driven Intern to support our Loads Modelling Department in Madrid. Being a Intern in Siemens Gamesa is an opportunity for you to develop your personal capabilities and build a professional and international network. You will get the chance to enhance your professional development and get relevant work experience in a global company.

Your responsibilities will consist of:

- Define and modify wind turbine models for aeroelastic calculations
- Perform simulations in different design conditions by means of aeroelastic codes (BHawC,..)
- Pre and postprocess results
- Analyze loads and dynamics of wind turbines
- Cooperate with control and component departments
- Develop and research new technologies to apply on wind turbines design or validation
- Support on critical problems, programming and methods support

What you need to make a difference

- Recently Graduated Engineer in Aeronautics, Mechanical engineering, Structural engineering or are in final stages of Master Thesis or PhD.
- Knowledge in aerodynamics, structural design, structural dynamics, or control systems.
- Additional training (master or complementary courses) in wind energy: Wind turbine aerodynamics and performance, wind resource.
- Knowledge of wind turbine design standards is a plus: IEC61400-1, DNVGL.
- Experience in wind turbine load analysis, using any of the following programs: GH Bladed, FLEX5, FAST or similar is a plus.
- With initiative, analysis skills, self-motivated, self-improvement, willing to learn, emotional intelligence and ability to team-work.
- Fluent English, both spoken and written. Spanish is a plus

In return of your commitment, we offer you...

- Intern contract with possibility of future development within the company or wind industry
- Intern remuneration package
- Become a part of our mission for sustainability: Clean energy for generations to come

- A global team of diverse colleagues who share passion for renewable energy
- Trust and empowerment to make your own ideas reality
- Personal and professional development to grow internally within our organization
- Flexible working hours

Empowering our people

<https://www.siemensgamesa.com/sustainability/employees>

How do you imagine the future?

<https://youtu.be/12Sm678tjuY>

Our global team is on the front line of tackling the climate crisis, reducing carbon emissions – the greatest challenge we face.

Severely disabled applicants are encouraged to reach out to us. We have inclusive recruiting processes specifically for severely disabled persons in Germany and we do our utmost to tailor working spaces to suit your individual needs. In cases of severe disability, applicants who are equally qualified will be given preferential consideration.

Siemens Gamesa is an equal opportunity employer and maintains a work environment that is free from discrimination and where employees are treated with dignity and respect.

Employment at Siemens Gamesa is based solely on an individual's merit and qualifications, which are directly related to job competence. Siemens Gamesa does not discriminate against any employee or job applicant on the basis of race, ethnicity, nationality, ancestry, genetic information, citizenship, religion, age, gender, gender identity/expression, sexual orientation, pregnancy, marital status, disability or any other characteristic protected by applicable laws, rules or regulations. We adhere to these principles in all aspects of employment, including recruiting, hiring, training, compensation, promotion and benefits.

We are driven by people - from more than 100 different countries, they build the company we are every day. Our diverse and inclusive culture encourages us to think outside the box, speak without fear, and be bold. We value the flexibility that our smart-working arrangements, our digital disconnection framework and our family-friendly practices bring to the new way of working.

Apply on the following link:

https://siemensgamesa.wd3.myworkdayjobs.com/SGRE/job/ES-Madrid---Ramirez-Arellano/Intern-Loads-Modelling_R-33728