

Posting Title	New Grad - Systems Analyst
Location	Customer Support Center
City	San Diego
State/Region/Province	California
Country	United States
Auto req ID	4434BR
Position Category	New Grad/Intern
External	
Shift	1st Shift
Company	Solar Turbines Incorporated
Company Info	Headquartered in San Diego, California, USA, Solar Turbines Incorporated, a subsidiary of Caterpillar Inc., is one of the world's leading manufacturers of industrial gas turbines, with more than 15,000 units and over 2 billion operating hours in over 100 countries.

Products from Solar Turbines play an important role in the development of oil, natural gas and power generation projects around the world. Solar Turbines' products include gas turbine engines (rated from 1590 to 30,000 horsepower), gas compressors, and gas turbine-powered compressor sets, mechanical-drive packages and generator sets (ranging from 1 to 22 megawatts).

Solar's customers put the company's products to work in many areas including production, processing and pipeline transmission of natural gas and crude oil and generation of electricity and thermal energy for processing applications, such as manufacturing chemicals, pharmaceuticals, and food products.

Solar's foundation is people and Solar's culture is one where individual contributions are valued, diversity in the workplace is encouraged, and safety is emphasized in all aspects of the business. Solar Turbines is comprised of a dedicated and multi-talented workforce of more than 7,000 employees with decades of experience working as a global team.

Job Description

- For Oil and Gas upstream and midstream compression applications, analyze Customer specification, application requirements, and process gas properties. Understand the process requirements for typical oil and gas upstream and midstream applications.
- Provide Compressor Set selections and equipment performance predictions by applying state of the art programs and a good overall knowledge of the capabilities and limitations of Solar's turbomachinery products.
- Compressor set selections involve the proper selection of compressor models and Solar standard impellers to meet operating conditions defined, based on the understanding of compressor aerodynamics and thermodynamics.
- Based on the required power for the compression duty, the gas turbine has to be selected.
- Ensures that technical risks are properly managed.
- Assist Sales and PAE with the preparation and presentation to the Customer of the equipment selection and equipment performance.

Minimum Qualifications	<ul style="list-style-type: none"> • Currently pursuing or have obtained a Bachelors degree in Mechanical, Aerospace or Electrical Engineering or related field within the last 3 years • Overall GPA of at least 2.7 on a 4.0 scale • Coursework in Turbomachinery, Oil and Gas Turbomachinery Applications, Processes, Thermodynamics and/or Pipeline hydraulics
Preferred Qualifications	<ul style="list-style-type: none"> • Internship experience in either Oil & Gas or Turbomachinery • Programming experience in programs such as Excel or C+ • Bilingual in another language outside of English (Spanish, Chinese, Russian and/or French preferred) • Previous experience in a customer facing role • Ability to interact with multiple people across an organization
Minimum Education Level	Bachelors Degree
Minimum Years Experience	Less than 1
Travel Requirements	Less than 25%
Benefits Eligibility	Solar Turbines offers a competitive compensation and benefits package including medical, dental, life insurance, vacation, 401k, incentive bonus, tuition reimbursement and professional development/advancement opportunities.
Relocation Eligibility	Relocation assistance may be provided.
Visa Eligibility	Applicants must be currently eligible to work in the country in which this position is located. For information on employment eligibility in the United States, please visit the U.S. Immigration Services website.
EOE Plus	Solar Turbines is an EEO/AA Employer. All qualified applicants – including minorities, females, veterans and individuals with disabilities – are encouraged to apply. Solar Turbines conducts Drug Screens and Background Checks.

Solar Turbines Summer 2018 Internship Opening

There is an opportunity for a summer intern in 2018 [at Solar Turbines](https://mysolar.cat.com/en_US/careers.html). Although not explicitly titled and described as such, posting **4311BR Intern - TMP Mechanical Design Engineer** has an allocation for a Materials Engineer summer intern. To find this posting, log on to Solar Turbines (https://mysolar.cat.com/en_US/careers.html). Select **Careers**, then click on **New Grad/Intern Opportunities** from the pull-down list. Once in the **New Grad/Intern Gateway**, click on **Search Openings** and then click on **Search**. You will then see a list. Click on **4311BR** in the **Auto req ID** column.