

ABOUT US

At Ciel et Terre, we are convinced solar power generation is an efficient and affordable alternative to conventional fossil fuel energies. Employing about 100 people within our head office in Lille, France and subsidiaries in Tokyo, London, San Francisco, Kuala Lumpur, Beijing, Tainan and Bangalore, we are proud to be creating jobs while contributing to the development of low-carbon, sustainable economies and societies.

We have been developing large-scale solar power plants since 2006, on rooftops (about 15 MW) and on water (over 300 MW worldwide). To address the lack of space available for large-scale ground-based PV systems, which often take up wide areas of productive land, we developed a serious alternative with our Hydrelio® floating PV technology. Patented in 2011, this reliable and cost-effective technology allows the installation of large-scale floating solar systems on quarry lakes, dams, irrigation reservoirs or water-treatment sites. As pioneers and experts in the floating PV market, we are developing strategic partnerships on a daily basis and exporting our business and technology worldwide.

To face a fast-paced and rapidly evolving market, our product development efforts are focused on disruptive innovations, designed to make floating PV systems as affordable as possible, as soon as possible. To remain the leaders in this new industry and keep setting the pace, we are looking for talented individuals to join our teams. Get in on the ground floor, and act to transform the global energy mix! The Contractor will be working under the direction of the technical team of the US office.

JOB DESCRIPTION

- Conduct pre-feasibility and detailed studies: layout, modelling, components listing, geographical implantation, yield energy simulation, anchoring notes...
- Design solar systems (preliminary electrical layout)
- Run HELIOSCOPE simulations
- Conduct preliminary anchoring designs (mechanical stresses analysis, identification of the required materials...)
- Write technical surveys
- Exploit and analyze technical documentation
- Equipment procurement
- Logistic for on-going project
- Support the technical team regarding product innovation (brainstorming, CAO, numerical simulations and modelling, suppliers/partners meetings...)
- Develop new tools for the design and project teams.

REQUIREMENTS

Academic level: Student in Renewable Energy/Mechanical/Electrical/Broad-based Engineering

Experience: High school diploma with technical and or engineering experience.

Languages: English

Computing: Mastering Microsoft Office software, CAO 2D (AUTOCAD), Solidworks, Orcaflex (or equivalent) Google Sketch-up, ArcView, PVSyst, Helioscope, Energy tool base.

PROFICIENCIES AND SKILLS

- Technical knowledge of electricity, mechanics
- Project management skills appreciated
- Interpersonal and writing skills (internal and external communication)
- Pragmatism and practical sense
- Capacity to analyze and synthesize
- Strength of conviction
- Openness and critical thinking
- Team work
- Able to adapt, prioritize and self-manage
- Curiosity, pro-activity and implication
- Deep interest in Renewable Energy

GENERAL INFORMATION

- Duration: 3 to 6 months
- Position available from: December 1st
- Location: Petaluma, Ca
- Working hours: 15 to 25 hours per week
- Compensation: from \$15/hour to \$25/hour depending on profile

YOUR CONTACT

Please send your application to: mcostes@cieletterre.net