

Job Opportunity: FPGA/Firmware Engineer

Celestia Satellite Test & Simulation BV (C-STS) provides innovative high-tech solutions to the international space community to support spacecraft development, Assembly Integration and Test (AIT) as well as post launch and operational services. C-STS operates from Leiden, The Netherlands.

What we do:

Our core activities include the design, development and support of high-complexity electronics-based systems. These include products for Satellite Simulation & Test (Electrical Ground Support Equipment), TTC & TM/TC Systems, Modems (RF and Optical) as well as Data Processing Systems.

For more information about our company, our products and activities have a look at our website: www.celestia-sts.com.

Who are we looking for:

We are looking for a **FPGA/Firmware Engineer** to strengthen our existing team of talented engineers. You will be responsible for the design (implementation, testing and maintenance) of new firmware (VHDL) used in our EGSE, Optical Modem and TM/TC products.

What will be your challenges:

- Requirements and architecture analysis, interface definition, (functional) decomposition and mapping the architecture down to component/FPGA level
- VHDL design, implementation (coding) and simulation
- Integration and verification of the firmware design on the hardware
- Regular interaction with other disciplines, such as (embedded) software engineers, hardware design engineers and project management
- Supporting the test team during the product qualification activities
- Documenting the design, simulation, verification results and interface control documents

What we ask from you:

- Electronics engineering degree (B.Sc. or higher)
- At least 3-years' experience in FPGA/Firmware development
- Hands-on experience in writing VHDL, synthesis, timing closure
- Hands-on experience with OSVVM is an advantage
- Hands-on experience with on-hardware validation using standard laboratory equipment
- Experience in high-speed digital circuitry and associated interfaces and processing
- Good team worker, pro-active and hands-on
- Good English verbal and written communication skills in multi-disciplinary project teams
- Experience/knowledge in optical communication protocols (CCSDS, SDA, etc.) is an advantage
- Experience/knowledge of high-speed serial (transceiver) interfaces is an advantage
- Experience/knowledge in on-hardware validation using lab test equipment is an advantage
- Experience/knowledge in Forward Error Correction techniques is an advantage
- Experience/knowledge in (aero)space business is an advantage

We offer you the opportunity to:

- Work on a range of complex products and projects in the field of spacecraft verification/validation and data communications
- Work in a company that is widely recognised as 'best-in-class' in the fields in which it operates
- Work together with a bright team of like-minded people, consisting of hardware, firmware and (embedded) software engineers
- Work on challenging projects, growing your own skills and experiences along the way

For a practical and motivated individual, this position will offer an exciting challenge where you can contribute directly to the growth of this quality-driven, dynamic organization.

This role is limited to applicants currently based in Europe and legally authorized to work in the EU/EEA. We appreciate your understanding.

If you are interested, we welcome you to contact us via email: employment@celestia-sts.com.