

OH B Italia SpA is acknowledged as one of the leading medium size companies in Europe for space systems integration. It is part of a cluster of European enterprises operating in the aerospace business. Founded in 1981, with headquarters in Milan and excellence centres in Italy, the company employs more than 180 qualified engineers & physicists.

OH B Italia has consolidated expertise, resources and facilities to carry out manufacturing, integration, qualification and flight certification, with a role of Prime Contractor in different fields of activities.

Its success is due to a combination of technical expertise, innovative technologies and low cost solutions, which allow to give customers easy access to space.

The company operates both on the institutional and commercial markets.

Its main customers are space agencies, space authorities and large industrial groups.

OH B Italia is seeking for its Satellites Department in Milan or Rome for immediate start an

### **EGSE System Engineer (m/f) Ref. 02\_02\_18**

#### **Your Tasks**

- Provide technical expertise to EGSE project procurement.
- Provide technical support to projects on specific issues related to the development and utilization of EGSE systems, including problem identification and solving, exchange and interfaces with external systems and provide support to project reviews.
- Write EGSE specifications with input from system engineer and Electrical Interface Document
- Create the EGSE test specification with input from the electrical AIT engineer and subsystem architect.
- Prepare EGSE design definition and design report
- Write and execute the validation procedures for the EGSE
- Provide basic user training on the EGSE
- Provide first line support for the spacecraft EGSE during all test phases (including environmental and launch campaigns), and support the NCR process as required
- Configure and maintain the EGSE system
- Support the Central Checkout System software, including patches installation, TMTC database files and provide first line support
- System administration of EGSE computers running Linux or Windows OS
- Design of test cables and test-aids and oversee build and validation
- Prepare EGSE maintenance plan and data back-up strategies

- Design, implement and test small modifications on delivered EGSE
- Support the maintenance and calibration arrangements for the departments General Purpose Lab Equipment (GPLE)
- Support process improvements

### Your Qualifications

- Good theoretical and practical knowledge of system and electronic test.
- Fault finding skills down to board and component level
- Network and computer administration in Windows and Linux environments
- Good documentation skills (procedures, reports etc.)
- Knowledge of ECSS standard in particular (ECSS-E70-41A, ECSS-E-ST-50-12C, ECSS-E-ST-50-13C, ECSS-E-ST-50-14C, ECSS-E-ST-50-51C, ECSS-E-ST-50-52C, ECSS-E-ST-50-53C.
- Knowledge of interfaces such as Mil-1553, SpaceWire, CAN bus, RS232/422 etc.
- Knowledge of main Space ground protocol such as EDEN and C&C.
- Knowledge of S-Band communication system (e.g Cortex and communication protocol I/F)
- Knowledge of the Packet Telecommand Decoding and Telemetry packet encoding at Spacecraft level.
- Competence in the utilization of Central Checkout System.
- Skills in the TOPE/PLUTO test procedures programming
- Knowledge of SCOS2000 MIB database.
- Knowledge of ATE environments such as PCI, VXI, PXI
- Competence in the use of a variety of general purpose lab test equipment
- Design, manufacture and commissioning of test systems
- Further knowledge and experience in these specific areas are required as well:
  - Real time software
  - Object oriented design methods
  - UML, XML
  - Operational experience with SCOS 2000 and the SCOS 2000 MIB ICD
  - Experience with the PUS and its tailoring
- The candidate shall have a university degree in Electronic Engineering, Space System Engineering, Computer Science or Mathematics or related disciplines.
- At least 4 years of experience implementing complex systems, developing and utilizing EGSE and modelling and monitoring control data.

- Fluent in English; knowledge of another EU member state language is an asset

**OHB Italia SpA**  
Human Resources  
Via Gallarate, 150  
20151 Milano

Become part of our team! Apply by sending your updated CV and cover letter via E-Mail to [job@cgspace.it](mailto:job@cgspace.it)

[www.ohb-italia.it](http://www.ohb-italia.it)

**Join us now!**