Stage in Area Automation/Software Engineering

Group, Company and Organisation

COESIA is a group of innovation-based industrial solutions companies operating globally, headquartered in Bologna, Italy and fully owned by Isabella Seràgnoli.

Coesia's companies are leaders in the sectors of:

- Advanced automated machinery and materials
- Industrial process solutions
- Precision gears

Coesia's customers are leading players in a broad range of industries, including Consumer Goods, Tobacco, Healthcare, Aerospace, Racing & Automotive and Electronics. Coesia Group consists of twenty-one companies:

ACMA - ATLANTIC ZEISER - CIMA - CERULEAN - CITUS KALIX - COMAS - EMMECI - FLEXLINK - G.D - GDM - GF - HAPA - IPI - MGS - MOLINS - NORDEN - R.A JONES - SASIB - SYSTEM CERAMICS - TRITRON - VOLPAK. The Group has 136 operating units (84 of which with production facilities) in 35 countries, a foreseen turnover in 2019 of about 1,958 million Euros and 8,500 employees.

About the role

Ideal profile will be a brilliant newly graduated in Software/Electronic or Automation engineering who will join Comas to support the team of Automation, Software and Instrumentation in the designing, developing and commissioning of control software for the machines or full lines produced by the company.

Activities

- Based on client's URS, perform functional analysis for proposed machines or lines, interfacing also with mechanical designers
- FDS and technical (software design) documents creation
- The candidate will be fully integrated into the team that develops automation solution. This activity is handled in some cases with direct engagement on the programming activities (PLC, SCADA, etc.) or by supervision of other resources
- Ensure software compliance with all the requirements/standards of the Customer.

Basic Requirements

- Software/Electric/Automation Engineering studies
- Good knowledge of the English Language
- Flexible, proactive approach to achieve team goals in a dynamic team environment
- Able to work under pressure and to meet tight deadlines

Characteristics Considered as a Plus

- Knowledge of I4.0 concepts and typical interfacing protocols (OPC UA, MQTT, etc.)
- Knowledge of most common development tools such as: Siemens TIA Portal 13-16; Siemens Step 7
- Knowledge of Visual Studio C#, Python or other high level language
- Knowledge of common fieldbuses (Profinet, Profibus, EtherCAT)
- Knowledge of typical databases (MS SQL, InFlux, etc.)
- Knowledge industrial process controls and industrial machinery for non-discrete, batch-oriented processes (Food, Conditioning, Drying, Chemical applications or similar)
- Basic knowledge of SCADA platforms (Archestra Wonderware, WinCC, Ignition)