

## **REF TCON 01: Hardware Expert**

An exciting position opportunity has arisen for an inquisitive, highly methodical, and self-motivated engineer to join the OZUBEX team.

We welcome applications from all and are committed to attracting, recruiting, and retaining the most talented individuals.

We take pride in creating an innovative, collaborative, and high-performance culture where all our team members are talented, empowered and valued.

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OZUBEX is an Industry 4.0 Competence Center being built on a 1,000 m<sup>2</sup> indoor area at Özyeğin University in collaboration with the White Goods Suppliers Association (BEYSAD) and TUSIAD.

OZUBEX supports the digital transformation of SMEs through a rich array of services with a focus on smart production practices, including product and process development, training, consultancy, testing, and analysis.

Taking the first step into the digital transformation of the sub-industry through its models on advanced technology including digitalization, human-centered robotics, Internet of Things, additive manufacturing, characterization, and data processing, OZUBEX will provide an environment where other manufacturing SMEs in Turkey will also be able to develop the necessary skills and capabilities for their own digital transformation.

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### **■ Responsibilities**

- Actively take role in training and consultancy services of the Center
- Lead implementation, standardization, testing and commissioning of automation solutions both in Hardware & Software
- Create detailed automation plans to be commissioned within for the Center
- Carry out coordination activities with all stakeholders during commissioning
- Selection of equipment to be utilized in the Center
- Manage external contractors who provide modification/maintenance for the equipment in the Center
- Continuously Improve/Modify/Optimize existing systems

### **■ Basic Qualifications**

- B.Sc. degree in Control Automation, Electrical, Mechatronics or related Engineering disciplines from leading universities
- 3+ years of experience in developing, integrating and commissioning PLC based control systems or in similar position
- Proficiency in PLC Programming with IEC 61131-3 based languages
- Experience in technical problem resolution
- Basic understanding of Data Acquisition and Fieldbus Protocols, Sensors, Actuators, Pneumatics, IO Lists, Flowcharts
- Basic understanding of Robotic Concepts, User frames, relative and absolute coordinates, joint and cartesian moves, safety zones, singularities, and other common robot concepts
- Familiarity with Industry 4.0 concepts, technologies and trends
- Very good command of English
- No travel restrictions, Class B driver license

### **■ Preferred Qualifications**

- M.Sc. or higher degree in related engineering disciplines
- Hands on PLC programming experience with Beckhoff and Siemens platforms with focus on ST

- Hands on Industrial Robot programming i.e. Kuka/ABB/Staubli or similar 6-axis robots
- Experience with Industrial Fieldbus Protocols: EtherCAT, Profinet, Modbus TCP, IO-Link together with OPC UA
- Proficiency with Electrical/Pneumatic Schematics, fault finding
- Experience with Automatic Warehouse, AGVs and cobots
- Experience with Vision systems i.e. Cognex/Halcon/Pickit
- Experience with Factory Floor Industrial Equipment i.e RFID Units, Servo Motors, Torque Screwdriver, Temperature Controller, Power Meter etc.
- Experience with Electronics Lab equipment i.e. Oscilloscope, Multimeter, Protocol Analyser etc.
- Experience with C#, .NET, WPF and SQL

#### ■ **Soft Skills**

- High level of intellectual curiosity and openness to innovation
- Self-starter, adapt and learn quickly in a challenging environment
- Can work independently and take initiative in your job
- Communicate clearly, concisely, and confidently with all stakeholders
- Pedagogical and willing to share knowledge

#### ■ **Our Offer:**

- A challenging job in a young and dynamic team and company
- Work on state-of-the-art technology
- Plenty of room for initiative and development

In this challenging position, you will have the chance to make a significant contribution to the growth of Center. You do not need to match every listed expectation in the Preferred Qualifications section. We encourage candidates with a doer attitude and self-motivation to apply for the position.

Thank you for your interest.