TENX

DEVELOPMENT

At TenX Development, we are a team of seasoned veterans of the industrial control system industry with experience working for both OEMs and end-users of manufacturing equipment. We provide specialized solutions, including manufacturing equipment design, system architecture development (spanning device-level to MES/ERP integration), advanced robot kinematics, precision motion control, and control system microservices such as integrated recipe systems and offline process optimization.

We can add capabilities to your team with expertise in:
- Executing projects with components featuring higher level software. We have core competency with C/C++, .NET, Python, Java, GO, Javascript/Typescript & LabView.
- External process control and optimization
- Database solutions with PostgreSQL, MSSQL, MongoDB, and InfluxDB
- PLC platforms - Beckhoff TwinCAT, Rockwell, Siemens, Codesys, and B&R Automation Suite
- Motion control with Rockwell, Beckhoff, Siemens and the PLCOpen library
- SCADA platforms - Ignition, Optix, Iconics, and Siemens PCS7
- Integration into customer MES and ERP systems with REST and SOAP APIs
- IoT - MQTT, Sparkplug, DDS and OPC-UA

We are actively developing pre-engineered SCADA modules tailored for end-users. These include:
- OEE tracking dashboards including parts and reject, state changes, and operator action logging, including the integration into the manufacturing system, from the machine level to the IT infrastructure.
- Predictive maintenance - collection of data from mechanical devices like pneumatic cylinder and servos, and analytics of key parameters to predict maintenance and replacements.

Regards,

TenX Development

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