

Rockware® 3rd Party Software Schedule

KepserverEX – OPC Server Software provided by Kepware

TwinCat OPC - OPC Server Software for Beckhoff PC-based controllers provided by Beckhoff

Start Up Delayer - Software for delaying startup of applications on boot by R2 Studios

FG Time Sync – Software for synching all data collection computers with Central SQL Server

Microsoft SQL Server and SQL Express - Database

Microsoft Office – Access, Excel, Outlook

Microsoft Visual Studio – Development Software

MT Connect Coordinator – XML for Machine Connectivity to KepserverEx

TightVNC – VNC (Virtual Network Connection) server and client software

Stack for Web Development:

Front End – Client Side

Vite – Vue-TS template as starter

- Vue 3 – Composition API <Script Setup>
- TypeScript – Typed Programming Language
- Pina – State Management
- Axios - HTTP Client
- Vue Router
- WindiCSS (Lightweight Tailwind) – Shorthand CSS
- Font Awesome - ICONS
- Unplug-vue-components - Allow using components without importing
- Apex Charts
- Tool - ESLINT
- Tool - Vueter for Vue 2 – VS Code plugin
- Tool – Volar for Vue 3 with Vite plugin – VS Code plugin
- Vite-plugin-pwa – if decide to use PWA
- SignalR – Communicate to desktop \ windows service apps – if we need to communicate with devices such as com ports.
- Use Case: SSE – Node JS Server side push to client
- Use Case: Websockets – Two-way fast communication

Back End API \ Data

- C# .Net Core Web App
- Asp.Net
- Dapper or Entity Framework - ORM
- SQL Server \ PostGre - DATABASE

Front End – Server Side

- Nuxt – Server Side Rendered web pages