

Industry-hardened software that enables **design** and **implementation** of high-quality equipment control solutions



Equipment Control and Connectivity Framework

The Cimetrix® CIMControlFramework (CCF) software development kit enables you to **design and implement a high-quality equipment control and connectivity solution** using provided components for **supervisory control, material handling, and operator interface**.

Problem With In-House Solutions

In-house solutions require a high level of expertise in **equipment control** and **connectivity standards**.

Using CCF allows you to **focus your resources** on your **area of expertise** – your **unique process technology** and **product differentiators**.

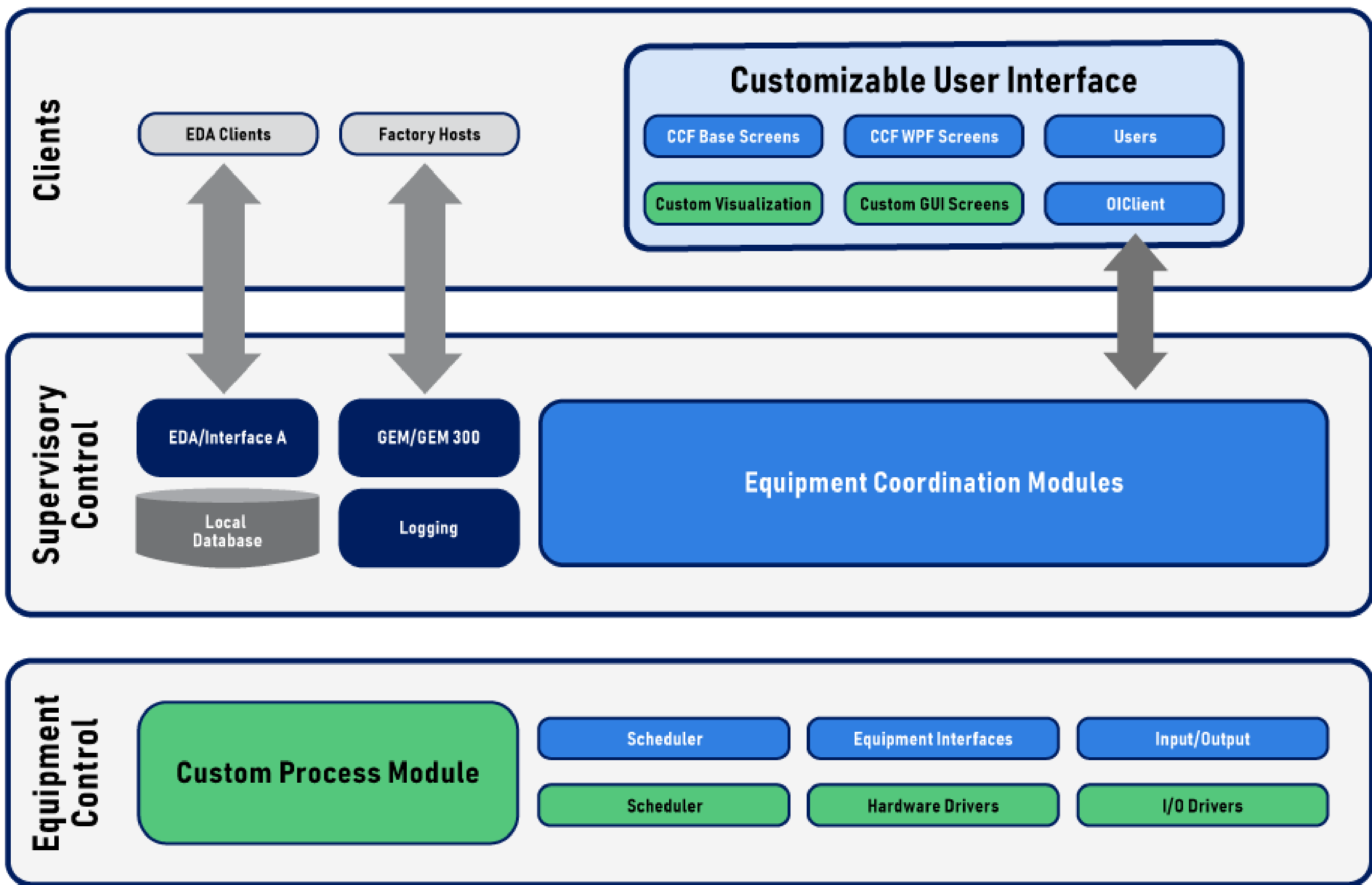
Solution Highlights

- SEMI Standards Integration**
- Customizable and Extensible**
- Factory Automation**

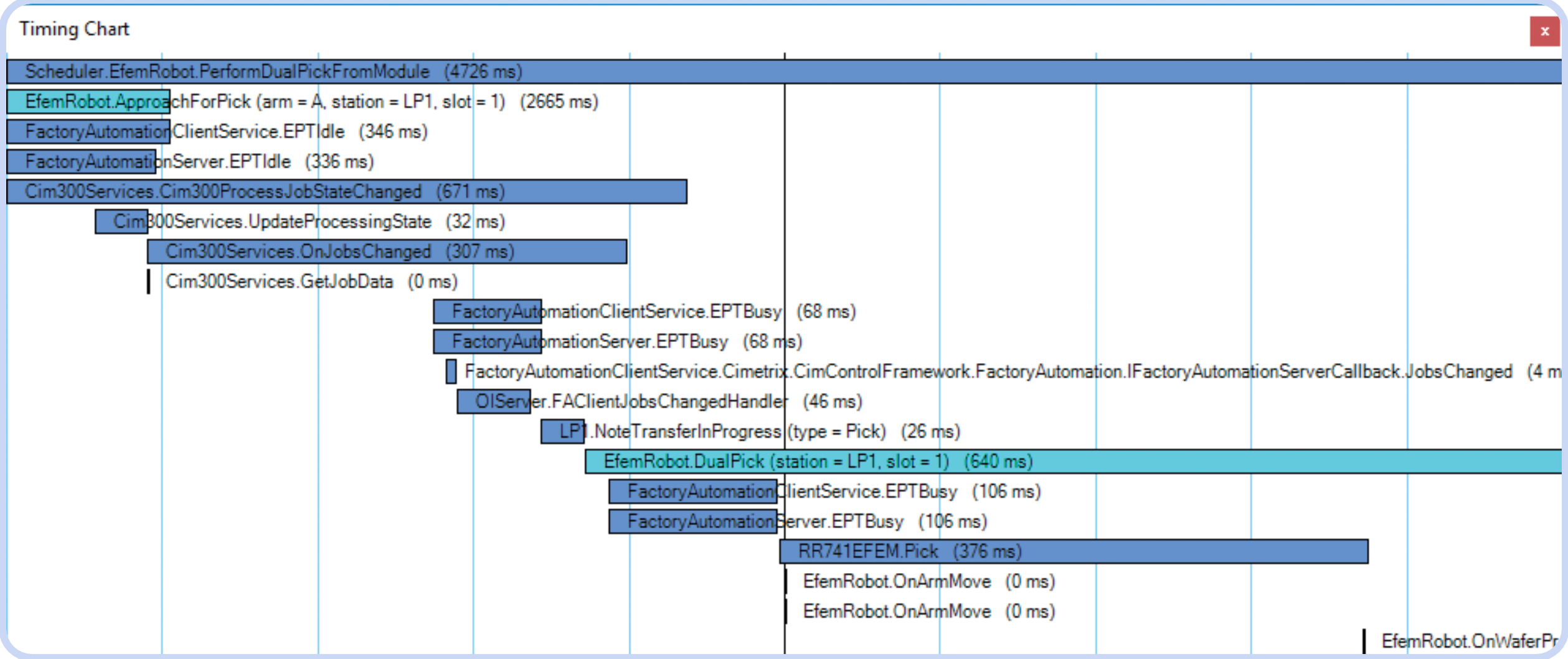
Key Capabilities

- Supervisory Control**
Alarm, Recipe, Configuration, and other packages allow you to quickly build production worthy applications.
- Device Interfaces and Simulation**
Simulation and integration of devices enable you to develop your application without waiting for hardware.
- SEMI Standards Integration**
GEM, GEM300, and EDA/Interface A standards compliance without you being standards experts.
- Rich Operator Interfaces**
Use our screens and/or create your own to make your OI custom to your company.

CCF Software Architecture



Key Features



Flexible Diagnostics

CCF logging is **light-weight** and **efficient** allowing **always-on diagnostics** for infrequent and dangerous issues. Troubleshoot with confidence using the **LogViewer** application’s robust **search, marking tools**, and **plug-ins** to analyze logs and provide rich diagnostic insight.



Challenge

Diagnosing equipment issues is **slow** and often requires costly on-site **expertise**.



Result

Remote log file analysis **reduces on-site visits**, and rich on-tool diagnostics **accelerate local troubleshooting** and resolution.



Challenge

New projects start from a blank page, and every new engineer adds ramp-up time — both directly **delay time-to-market**.



Result

Robust **samples, training**, and **CCF services** compress the learning curve and **accelerate time-to-market**.

Sample Implementations

Accelerate deployment with complete, ready-to-run sample applications — including **atmospheric, vacuum cluster tool**, and **continuous flow** examples.

Extensive **training materials** and **CCF Services** streamline design, implementation, and new-engineer onboarding, **saving critical development time**.

Used in every 300mm factory in the world

Reduce time-to-market by 50%

Enables AI/ML integration

SEMI Standards



- GEM – E4, E5, E30, E37
- GEM300 – E39, E40, E87, E90, E94, E109, E116 E148, E157
- EDA/Interface A – E120, E125, E132, E134, E164

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