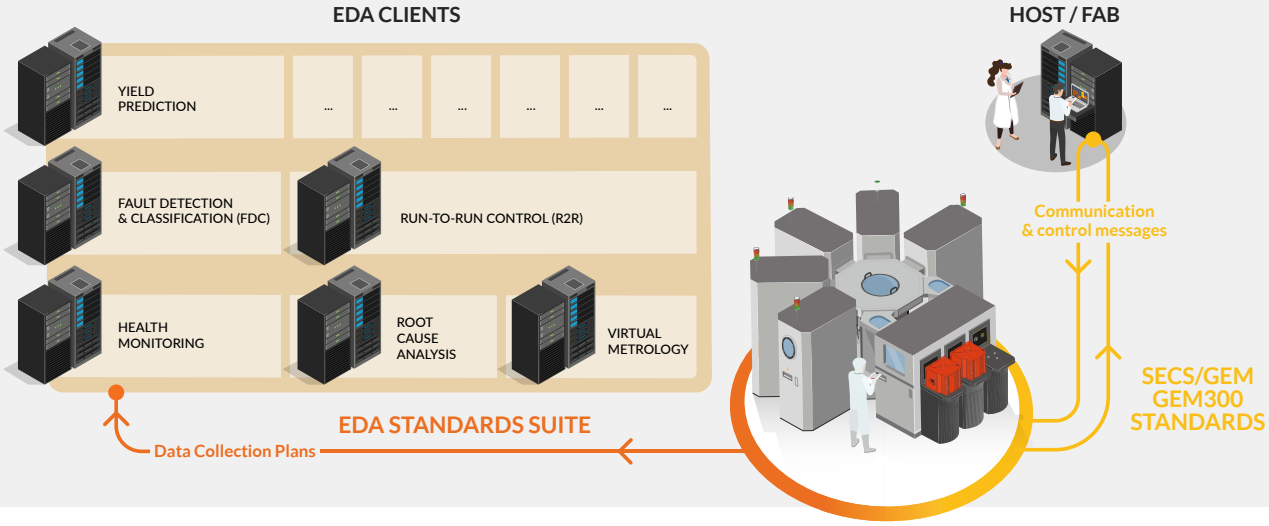
AGIL'EDA

SEMI EDA / Interface A server for structured, secure, and high-frequency data acquisition



Why Agil'EDA?

- **Decouple equipment control (SECS/GEM) from data acquisition** to ensure tool productivity is not impacted by data collection
- **High-frequency data collection** through a dedicated EDA server
- **Concurrent access of multiple factory applications** to collect data for different use cases
- **Standardized and rich equipment models** for monitoring, analytics, and AI applications
- **Secure equipment data access** through authentication and encrypted communication
- **Future-proof architecture** designed for a seamless transition to the high-performance **EDA Freeze 3** standard (gRPC/HTTP2)

Features

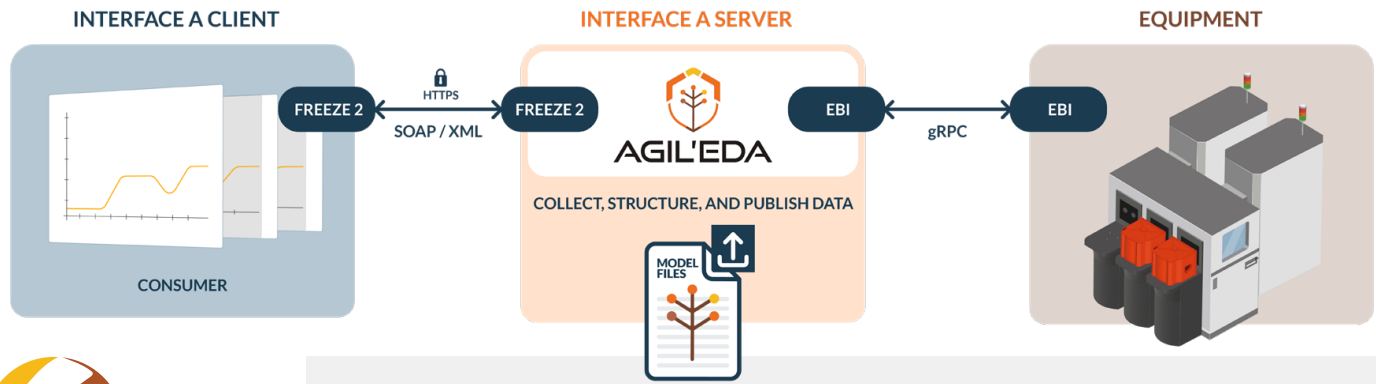
- **EDA Freeze 2 compliant** interface compatible with existing fab infrastructures
- **Load, validate, and publish** SEMI-compliant equipment models
- **Connect equipment controller data** through Equipment Binding Interface (EBI) and its **platform-independent gRPC API**
- **Logging and time tracing** for performance analysis and troubleshooting
- Equipment builder APIs for **equipment model implementation and runtime adaptations**
- **Deploy modularly** as an independent component or leverage the existing **integration with A²ECF-SEMI**
- **Validate EDA integration** using the included local graphical EDA client

Supported SEMI standards

- **E120** for equipment modeling
- **E125** for node descriptions
- **E132** for session management
- **E134** for data acquisition
- **E164** for binding interface

Development environment

- C# API and samples
- Microsoft .NET ® Framework 4.6.2 or .NET ® Runtime 8.0
- Available on Microsoft Windows® 10 & 11 (x86 / x64) and Linux



AGILEO Automation

11 Rue Victor Grignard - 86000 POITIERS
6 Impasse d'Helsinki - 82000 MONTAUBAN
Tel : +33 5 49 49 61 79 - contact@agileo.com - FRANCE

Follow us on LinkedIn for more content.

www.agileo.com