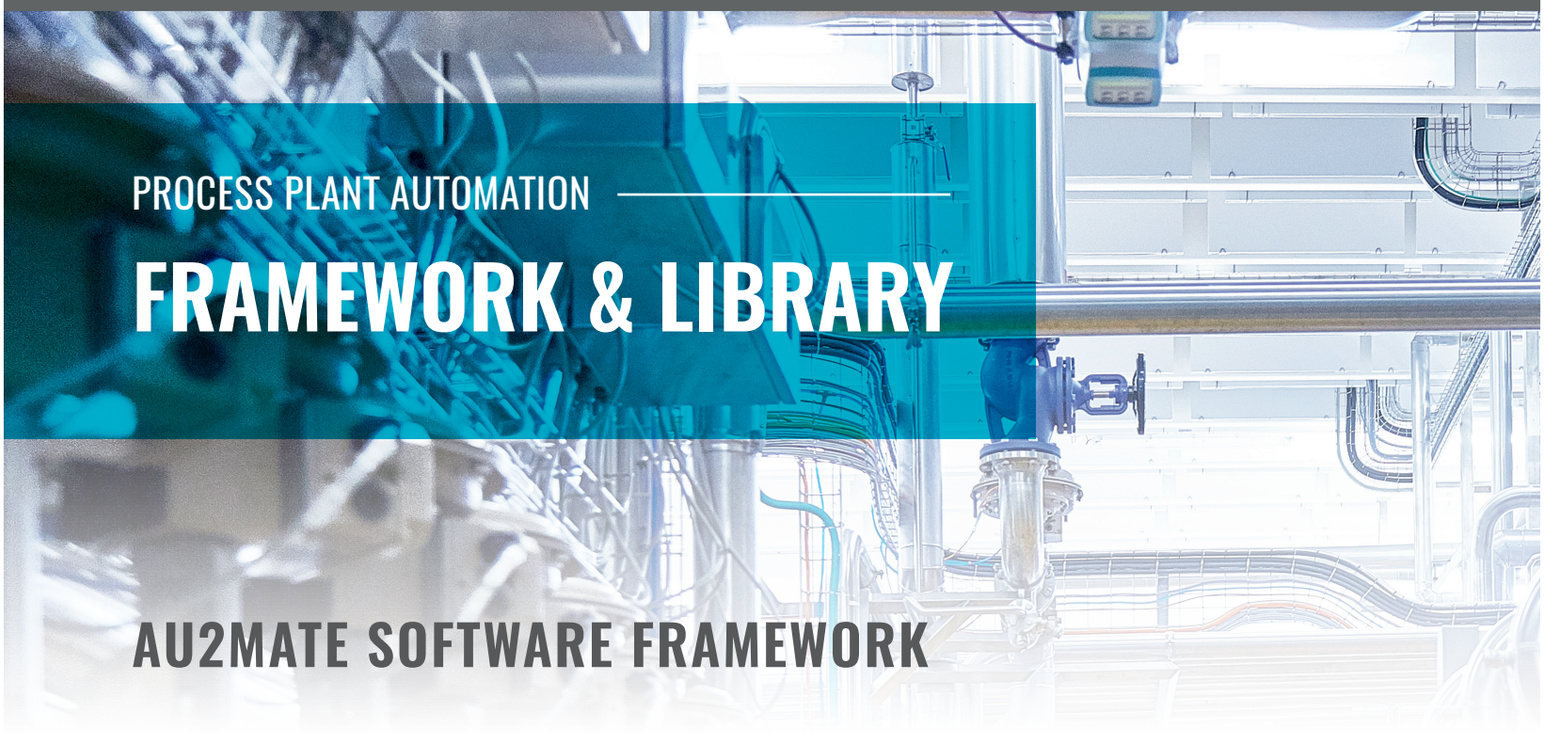
Au2mate
PROCESS AUTOMATION PARTNER



PROCESS PLANT AUTOMATION

FRAMEWORK & LIBRARY

AU2MATE SOFTWARE FRAMEWORK

- Increase of plant functionality and performance
- Provides uniform functionality / operator interface across the factory independent of machine supplier
- Reduced cost for control software
- Reduction of time and cost spent during software commissioning

SOFTWARE FRAMEWORK

The Au2mate framework forms a solid PLC and SCADA software package, holding the basic software modules, screen navigation, methodologies, and the procedures to secure an excellent baseline application for the customer's automation projects.

The framework is suitable for green field plants as well as for project upgrades and offers a significant reduction of time and cost spent during software development and commissioning.

The framework provided by Au2mate is embedding the complete knowledge and best practise from the dairy industry through Au2mate's several years of experience within the dairy business.

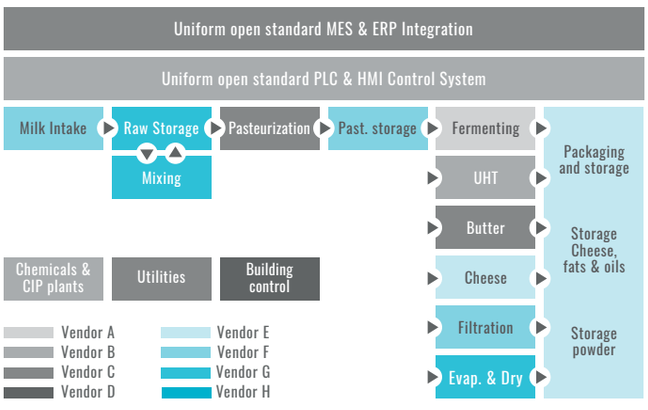
DAIRY SOFTWARE LIBRARY

The framework enables seamless integration with the Au2mate dairy software library which includes all major dairy processes, e.g. CIP, pasteurisation, mixing, tank control, transfer lines as well as associated traceability, operator dialogue and reporting.

CUSTOMER OWNED FRAMEWORK

A customer owned, and customised, framework ensures a uniform plant functionality and operator interface across the factory independent of machine supplier.

The customer owned framework and the dairy software library are designed as a plant wide automation solution based upon open systems, a future-proof investment and encapsulating the knowledge and best practise applied in the dairy industry.



Dairy library framework

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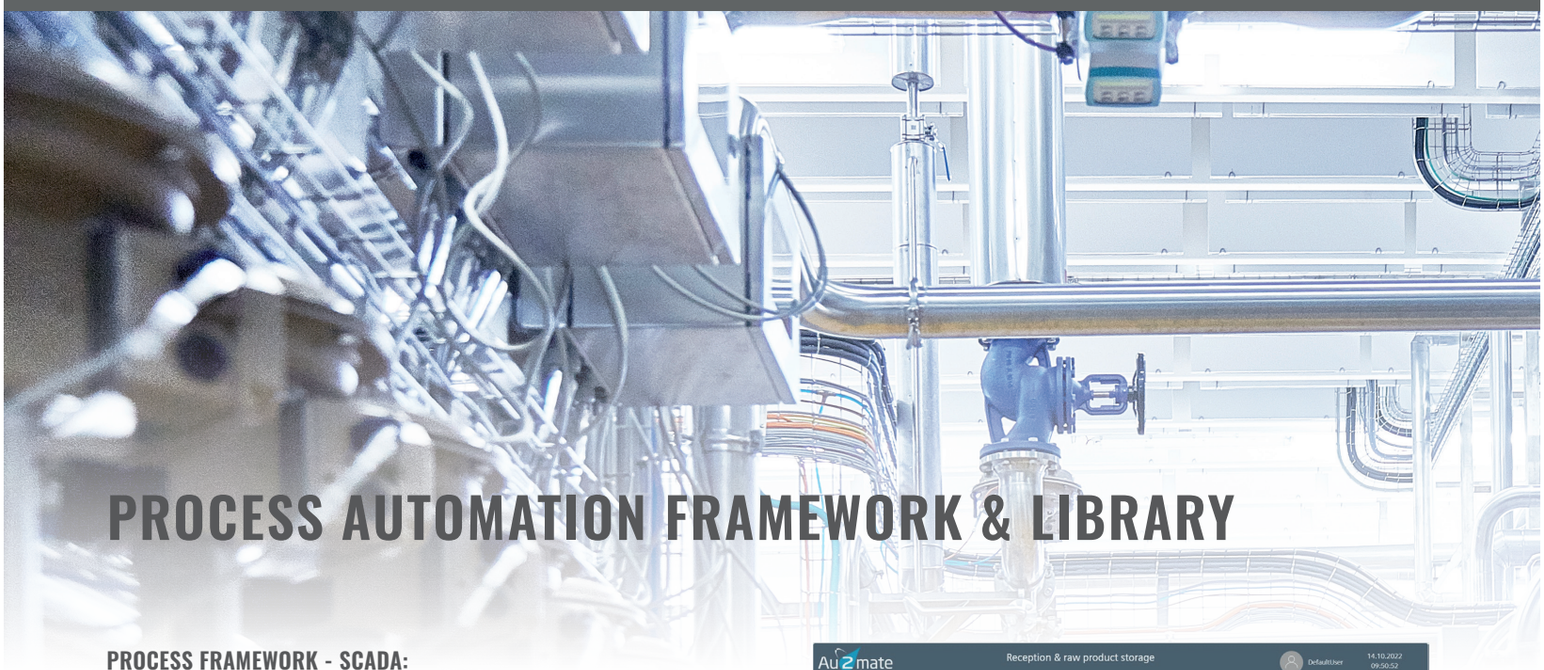

PROCESS AUTOMATION FRAMEWORK & LIBRARY

PROCESS FRAMEWORK - SCADA:

- Standard layout for top bar and menus
- Standard alarm system and access control
- Advanced filtering and search functions
- Templates for visualization and control of plant components (valves, motors etc.)
- Standard interface for material and order handling
- Standard modules for data collection to production database

PROCESS FRAMEWORK – PLC:

- Control modules for control of plant components
- Standard data structure for interface to MES and event driven data collection
- Basic functions (communication, sync. of time etc.)
- Structured Control Language in all modules
- Object oriented software structure for flexible maintenance and development

AUTOMATION FRAMEWORK AND DAIRY LIBRARY LANDSCAPE:

	Level 1 Automation System (PLC)				Level 2 Supervision and Control (SCADA/HMI)			
Units	Pasturizer unit control	Tank unit control	Transfer lines unit control	CIP unit control	Pasturizer unit control Faceplate/Object	Tank unit control Faceplate/Object	Transfer line unit control Faceplate/Object	CIP unit control Faceplate/Object
Equipment modules	Pasturizer equipment modules	Tank control equipment modules	CIP control equipment modules	PLC event & recipe handling blocks	Pasturizer equipment Faceplate/Object	Tank control equipment Faceplate/Object	CIP equipment Faceplate/Object	IAS event & recipe handling blocks
Control modules	PLC control module blocks				InTouch control module symbols & faceplates	IAS control module objects		
Basis system	Inter PLC communi cation blocks	PLC basis blocks (Incl. Timesync.)			InTouch standard screen layout (top bar ect.)	InTouch standard access control setup		