

# Au2mate - total end to end Dairy Automation Solutions

Dairy production facilities are becoming larger and more complex in terms of processes as well as applied automation & IT technology. Au2mate delivers high value adding total dairy automation solutions at high quality, timely delivery and right price.



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The below profile describes the deliverables from Au2mate as a supplier of total end to end dairy automation solutions.

## Total Dairy Automation Solutions

Today dairy process plants operate 24/7 – 365 days a year. This increases the demand for highly reliable and easily operated automation systems for management, operators and service & maintenance personnel. Total dairy automation solutions from Au2mate

include the core dairy automation, training & technology transfer in Au2mate Academy as well as a comprehensive 24/7 service & package.

## Au2mate end to end dairy automation

The end to end dairy automation includes all processes in the dairy factory from receipt of raw material to delivery of the final product. The dairy automation software package includes standard software building blocks structured according to S88 & S95 covering: control modules, equipment modules and units. Hereby scalability, plant uptime and lowest cost of ownership are ensured.

The end to end dairy automation solutions are based upon products from world leading suppliers e.g. Siemens, Allen Bradley, Wonderware, ABB, CISCO,

Microsoft and are embedding industry 4.0 technologies.

The operator interface and dialogue can be based on the ISA 101 standard which is intuitive, easy to navigate and guides the operator between different process cells, operator actions, manual operations and the alarm system.

Vital data e.g. recipe data, process parameters and software status are available and editable on engineering dialogue pictures, accessible for authorised staff.

The comprehensive user-friendly operator interface ensures efficient plant operation.

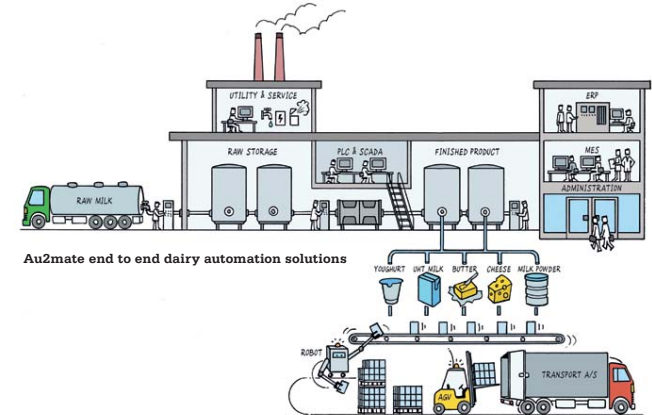
The fully integrated optional documentation package accelerates troubleshooting and reduces plant downtime.

## MES Solutions

Au2mate end to end solutions also include MES applications. MES solutions are implemented in dairy enterprises seamlessly linking orders placed by customers with the final products delivered to end consumers.

The MES solution ensures full traceability, planning, handling of materials and products as well as data collection and monitoring of production efficiency via OEE.

Au2mate possesses and is concurrently enhancing the core competencies fundamental to deliver state of the art dairy automation systems. Au2mate is offering its services to clients wishing to apply best practise to their



Au2mate end to end dairy automation solutions

standard framework. The applications in the framework are engineered according to the customer user requirement specification added with Au2mate dairy automation expertise increasing product yield and production performance.

## Training & technology transfer

Total dairy automation solutions from Au2mate include training and technology transfer. Training & technology transfer mainly takes place via Au2mate academy. Au2mate Academy is a knowledge centre for dairy automation that offers education and training of managers, operators and technicians in dairy automation!

The Au2mate Academy is established in modern facilities at our headquarters in Silkeborg DK and holds a class room and a live pilot process plant consisting of: reception, raw material storage, pasteurisation, buffer tanks and dispatch as well as CIP plant.

The pilot plant is built in mini-scale. The plant is designed and built in industrial standard with instrumentation, PLC, SCADA & MES in order that theory and practice can be trained in correlation!

## 24/7 Service and support

Total dairy automation solutions from Au2mate include after sales service and 24/7 HOTLINE support.

## Contact – Nordic Countries

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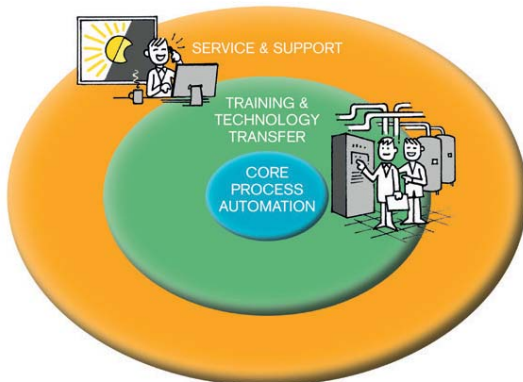
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## 5 quick facts about Au2mate

- Founded in 2001.
- Delivers total end to end dairy automation solutions.
- Have 100 employees at offices in Silkeborg, Dubai, England, Norway and Sweden holding more than 600 man years of experience in dairy automation.
- Project-oriented, has delivered more than 1600 projects; PLC, SCADA, MES and ERP integration to dairies throughout the world, including Nordic countries, Europe, Middle East and Africa, America and Asia.
- Supply solutions based on open standard platforms and internationally recognised methods for software development and project management.

## Total dairy automation solutions



Au2mate Academy's training room consists of 5 units: Simulated tanker and milk reception, raw milk storage with mixer, pasteurizer, finished warehouse and one CIP plant. In addition, there is surveillance on energy supply.