CLEVERDIST
4.0 Software Solutions

Industry 4.0 Software Solutions

Setting new standards in Industry 4.0 Software Solutions,
IIoT Platforms and Multi-Enterprise Applications

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CLIENT EXAMPLE

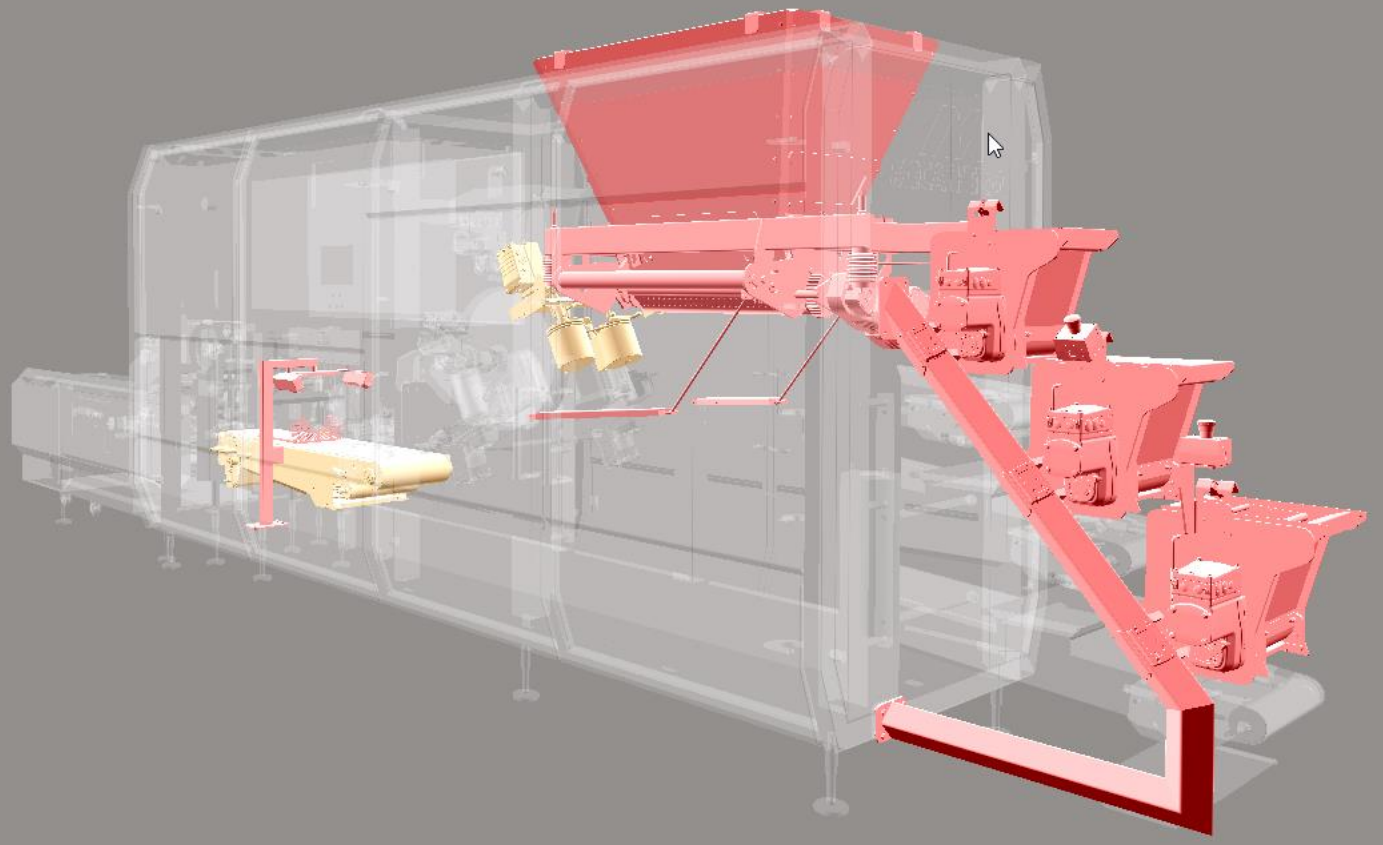
MEIOTE interface Includes ZoomIn3D

KPI's

- Weight of the scale in real time: 0.00
- Trigger weight of the dough: 0.00
- Minimum weight before ejection: 0.00
- Maximum weight before ejection: 0.00
- Ejection rate: 0.00

Status

- General Conditions
- Flourer
  - Fill Request
- Motor Belt
  - Fault A38-M70



Probable causes

Out of Flour	100.0 %
[ADD NEW CAUSE]	

Solution

Lorem ipsum dolor sit amet, sit in feugait patrioque, nec ad verterem sententiae. Ad mea primis evertitur.

DONE

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Divider	1	Conveyor	Proofer	Scorer	Baker	Cooler
	1					

MEIOTE© is IIoT Platform by Cleverdist

MEIOTE is Cleverdist IIoT platform to rapidly connect, monitor and control your assets and processes.

Available with most industrial communication standards (OPC UA, OPC, S7, BACnet, Ethernet/IP, IEC60870, IEC61850, modbus, MQTT, SNMP, DNP3…), you can efficiently integrate and digitalize your equipment and link them to your existing business applications.

Available as a service, cloud-based, MEIOTE minimizes your infrastructure costs, and reduces ramp-up time

Available at the edge for demanding processes, MEIOTE is available in three architectures : edge only, hybrid cloud + edge, cloud only

MEIOTE combines all functionalities ranging from alarming and archiving through to web-based graphics featuring live 3D visualisations and customisable business logic – application

Feeding MEIOTE on all data sources (e.g. your existing ERP, PLM or other business databases), MEIOTE becomes one integrated platform for your operations

With its **SCALABLE** architecture, MEIOTE covers your needs from individual machine monitoring to multi-site multi-user control center and portals

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Web-based dashboards with Live 3D visualization by Cleverdist

ZoomIn3D© provides intuitive representations of operating data

ZoomIn3D allows to import 3D models from numerous industry standard 3D formats and optimizes them for use inside HMI panels where they can be animated with events and alerts.

Suppliers can immediately generate enthusiasm but ZoomIn3D provides additional strong benefits:

Infinite viewpoints. Zoom, rotate and move around your 3D models to provide unlimited new views of your data.

Spatial correlation. Instantly recognize spatial patterns to effectively find value in large sets of data.

Better decision making. Gather new insights with your data visualization to improve the speed and accuracy of decision making.

More efficient maintenance. Localize faults in familiar 3D representations to guide rapid maintenance interventions.

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Multi-Enterprise Applications combine your and your business partner's live data

If needed, MEIOTE combines Industrial Control System and IIoT platform technologies together with **patented technology for ensuring data traceability & protection**.

MEIOTE provides each data contributor with control and management of all possible consumers of their information and any derived work.

Our disruptive multi-enterprise approach **unleashes the value of automated process and cyber-physical data streams shared across every organisation in a supply chain**.

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For Machine and Equipment Suppliers, we enable Remote Monitoring

MEIOTE© allows you to bring 24x7 your expertise to your customer

Remote web monitoring dashboards with alerts, trends and live information allow your field and customer support teams to have instant access to the state of your customer machines and the history of their operations, providing invaluable means to pre-diganose the equipment and reducing or many times eliminating the need of onsite visits

Thanks to MEIOTE, the connectivity of any additional hardware is instantaneous, you can focus on building your control and business logic, deliver your services.

You can encapsulate and market your expertise in one application, thus materializing new revenue lines

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For Machine and Equipment Suppliers, we enable Integrated services for your customers

MEIOTE© bridges the gap between your customer operations and all your IT Systems

You can feed MEIOTE on **all data sources** (e.g. your existing ERP, PLM or other business databases) **to provide one integrated platform for your customer services.**

With detailed access to your customer operations and maintenance activities, you can process automatically this information and **offer your customers valuable information and services when they need it, shorten sales cycle and make upsell.**

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Cleverdist end-to-end solution

Secured connections

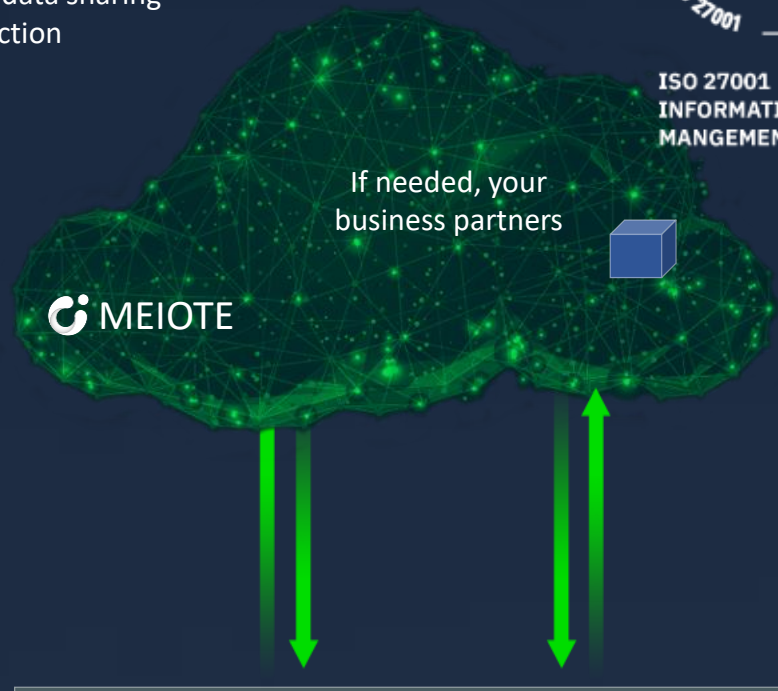
Data traceability
Controlled data sharing
Data protection

Optional application provided by you

ISO 27001
INFORMATION SECURITY
MANGEMENT SYSTEM

Open and scalable
Industry-ready

OPC UA	OPC	S7
BACnet	Ethernet/IP	IEC 60870
IEC 61850	MODBUS	MQTT
SNMP	DNP3	xxx
xxx	xxx	xxx
xxx	xxx	+ others…



Web-based Interactive dashboards

IIoT data gateway

Equipment

Your teams

Web-based Interactive dashboards

Business Databases

Equipment

Business Partners teams

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Build end-customer business cases

We speak Finance, IT and Operations C-level language and transform their needs in suitable business cases

Knowing the technology and technical needs is good. However, in many cases an end-customer needs to understand what is their payback and ROI for each of the features you propose.

Our rich background, including Finance, IT and OT profiles, allows us to interface with end-customers to understand their main problems and needs. We identify the corresponding savings or additional sales opportunities, determine related risks and finally define a list or priorities and suitable business cases for the development of Pilot features. These business cases include the cost of development of each of the features as well as the development time required. Overall, this provides end-customers with the tools to control their investment, which assists faster decision-making.

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IT / OT Integration

Leveraging our rich R&D experience we excel at using Information Technologies with Operational Technologies

Industrial systems are often highly dependent on rigid automation technologies to achieve monitoring, control and operation functions. As a result of their inflexibility, modifying these systems has high direct and indirect costs.

IT solutions are highly competitive in cost while exponentially increasing the flexibility and adaptability of the system. Our experts assist with strategic decisions when choosing how to combine IT and OT for specific critical features. Integrating these two technologies helps to **close the gap between enterprise systems and automation technologies,** increasing efficiency and reliability of the processes that combine business and operations data. In addition, the inclusion of IT in the operations domain allows for **quicker and cost-effective adaptation to your evolving operational needs**.

Our teams develop complete customized Operations System which connect Enterprise system to plant control systems, allowing for digitalizing all assets and operations of a terminal or plant.

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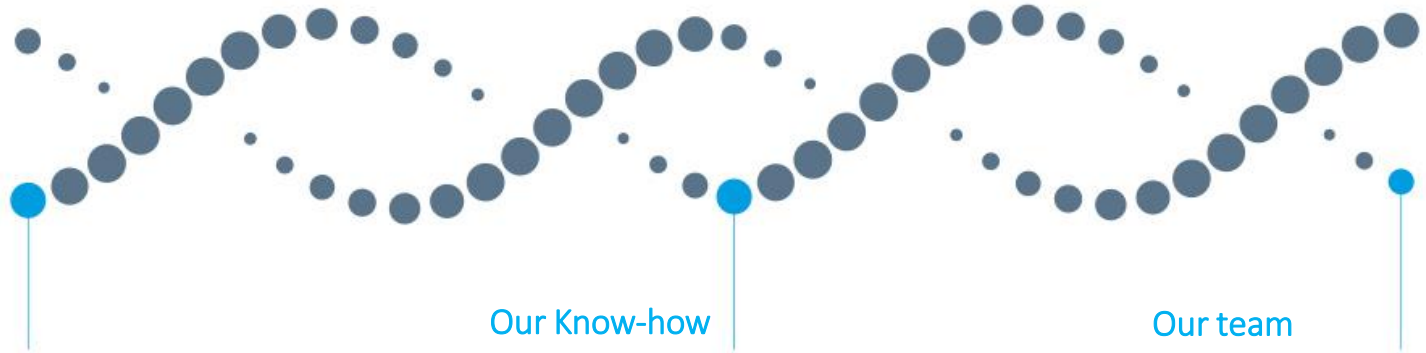
CLEVERDIST PROVIDES SOFTWARE SOLUTIONS AND UPFRONT CONSULTING

/ CLEVERDIST **D.N.A**

Our staff has many years of experience in the design and development of control systems for the world's most advanced scientific experiments and industrial infrastructures with requirements covering today's Industry 4.0 demands.



Our DNA

is rooted in the world's most advanced High Energy Physics laboratory: The European Centre for Nuclear Research (**CERN**) where industry4.0 was implemented long before the entire industry

Our Know-how

and expertise combines a strong research background with **industrial knowledge and profiles** (e.g. former GE, Siemens, McKinsey).

Our team

has a successful track record **providing software solutions and upfront consulting** for Industry 4.0 in Infrastructure, Mobility, Energy and Manufacturing.

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