



ONTEC

STEPS AHEAD

OntecOGC process control system

BENEFITS - OntecOGC

OntecOGC control system offers a reliable way to monitor your process automation and its safety at all levels. The system helps you to assess the efficiency of your production, analyze problems and save valuable resources. All actions are saved in the program data log, which increases traceability and security.



Visualize overall situation, the main functions, and processes, at a glance.



A clear, visual view makes easier to observe and speeds up the response to different situations.



Work in a control room becomes more efficient as awareness grows and decisions are based on a wider range of data.



Up-to-date and effective monitoring leads to improved productivity.



The system guides the conclusions with different signals, the quality improves with better decisions.



The reliability of the plant will be improved as disruptions are quickly in control.



A modern user-centric control room is the key to better safety and a functional working environment.

OntecOGC - features

With the help of the Ontec control system, we can build a fully functioning system. All the necessary measurements, our other products, your company ERP and other needed programmes can be easily integrated.



The control room is designed specific to fulfil customers' needs.



The control room can display:

- Combined data from different systems into an easy-to-understand solution
- Content can be captured from multiple locations and the control room can be built in one place
- Make user-specific settings, taking into account access rights and privileges



The signals produced by the control room software, e.g., alarms, can be forwarded by text messages, e-mails or e.g., messages also to Virve-network.



Several locations and systems can be controlled from the control room.



The software is browser-based, and the displays scale automatically used in different devices.



The operation of the devices can be viewed in real time, as well as browse the measurement and event history.



The software guides the user with various signals and supports future actions.



Our customers have often connected the following products to the OGC system:

- OntecRTA - security and access control system
- OntecRTM - service book software

OntecOGC- SOFTWARE PRODUCTS

ONTEC-PRODUCTS OntecOGC-PROCESS CONTROL SYSTEM

OnatexMID
MID- and ATEX-approved
liquid measuring system



OntecMiloX
Integrated liquid loading system

- Cargo management
- Event tracking



OnatexHeat
ATEX-approved
trace heating system



**OntecRTA - Real Time Access
security and safety control system**

- Persons in the area and last known location (log-in)
- Access control management over the internet from any computer
- State of permit-for-work



OntecReport
Reporting software - The
program automatically
generates a variety of reports
in PDF format directly to e-mail



Control Room
Ontec-products can be used
integrated into the control room
system and via a cloud service
from anywhere



OntecOGC
Process control system

- Control (valves, pumps, lockings etc.)
- Monitoring and optimizing energy consumption



**OntecRTM - Real Time
Maintenance
Service record software**

- Recording device events and regular maintenance
- Administering service entries and reminders



OntecRTS - Real Time Service 24/7



OntecFireExt
Fire extinguishing system



OntecDiary
For event documentation



Devices:
Grounding and overfill devices



Training



Consultation

BUILD IT UP WITH ONTEC MODULES

create what you need

OntecRTM Real-time Maintenance software

System compiles the operating hours automatically.

OntecReport Reporting software

Software for automatic compilation of process data and generating reports.

OntecRTA Real-time access control system

Access control with RFID identification tags in all spaces.

OntecFireExt Fire extinguishing system

System designed to ATEX atmospheres can be used also areas with no classification.

OnatexMID MID and ATEX approved liquid measuring system

System for measuring volume, mass and density of liquids. Event saving and tracking.

OntecMilo Liquid loading system

MID approved liquid loading system to ATEX zones.

OntecMiloX Intergrated liquid loading system

EU Module B approved liquid loading system.

OntecOGC Process control system

To monitor and analyse information from your process automation, equipment and safety.

Ontec CyberSecurity Industrial security

Takes into account all industrial security categories.

OnatexHeat ATEX approved trace heating system

Full product temperature control in industrial pipelines.

OntecAir JIG compatible process control system

To monitor aviation fuel handling procedures and processes.

OntecRTS Real-Time Service 24/7

Maintenance, support and on-call package can be adjusted to meet your needs.

OntecDiary For event documentation

You can save free text, pictures and files to the software.

OntecJetAir JIG compatible quality management system

Aviation fuel quality management system.

ONTEC PRODUCTS

We are an experienced full control system supplier. Our products have been developed for oil, gas and chemical industries. We were the first company in the world to develop a MID (Measurement Instrument Directive) approved digital connection with flowmeters enabling usage of data of volume, mass and density in a MID approved manner.



Easy to integrate to other systems



Product modules allow building needed systems for professional use fast and cost-efficiently



Modules function also independently



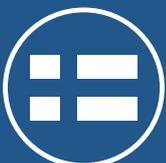
All our products can be connected to cloud services



Can be used by browser via any mobile device



High cyber security



Finnish quality - we deliver as promised

ONTEC PRODUCTS

OnatexMID

MID approved liquid measuring system

- System for measuring volume, mass and density of liquids at ATEX zones. Event saving and tracking.

OntecMilo

Liquid loading system

- MID approved liquid loading system to ATEX zones.

OntecOGC

Process control system

- To monitor and analyse information from your process automation, equipment and safety.

OntecAir

JIG compatible process control system

- To monitor aviation fuel handling procedures and processes.

OntecJetAir

JIG compatible quality management system

- Aviation fuel quality management system.

OntecRTA

Real-time access control system

- Access control with RFID identification tags in all spaces.

OntecRTM

Real-time Maintenance software

- System compiles the operating hours automatically and reminds you up coming maintenance.

OnatexHeat

ATEX approved trace heating system

- Full product temperature control in industrial pipelines.

OntecFireExt

Fire extinguishing system

- System designed to ATEX atmospheres can be used also areas with no classification.

OntecMiloX

Intergrated liquid loading system

- EU Module B approved liquid loading system.

OntecCyberSecurity

Industrial security

- Takes into account all industrial security categories.

OntecReport

Reporting software

- Software for automatic compleiment of process data and generating reports.

OntecDiary

For event documentation

- You can save free text, pictures and files to the software.

OntecRTS

Real-time Service support 24/7

- Maintenance, support and on-call package can be adjusted to meet your needs.

WHY MID?

What is MID and what you need to know about it



Measuring Instruments Directive known as MID is one of the so called CE Directives, controlling safety requirements, manufacturing and approval of measuring instruments. MID regulates both legal metrology related measuring instruments and software. Usage of measurement instruments is regulated by national authorities. The first MID came into effect in 2004 and the renewed MID 2014/32/EU ten years later. Transition period came to an end in 2016. This means that since 30.10.2016 all new measuring systems have to be MID compliant. This applies equally to old systems that are upgraded.

BECAUSE

- MID approved system gives grounds for correct taxation
- MID approval is an assurance of correct fiscal data (custody transfer)

MID approved measurement data carries great significance for the society on the whole. Correct energy taxation is vital for any government. In cases of custody transfer, both the buyer and the seller expect to see MID certified, trustworthy measurement reports of the transaction.

MID regulates measurement systems of all liquids other than water. This includes measurement systems in oil and fuel terminals.

Increasing role of software in measurements

Digital measuring and storing of data is constantly developing. MID pays special attention to securing software and protecting it from corruption.

MID Scope

- MI-001 water meters
- MI-002 gas meters and volume conversion devices
- MI-003 active electrical energy meters thermal energy meters
- MI-004 measuring systems for continuous and
- MI-005 dynamic measurement of quantities of liquids other than water
- MI-006 automatic weighing instruments
- MI-007 taximeters
- MI-008 material measures
- MI-009 dimensional measuring instruments
- MI-010 exhaust gas analysers

According to MID, components that are critical for metrological characteristics have to be designed so that they can be secured. Even attempted intervention should be registered and evidence of it has to be available for a reasonable period of time. Measurement data, software that is critical for measurement characteristics and metrologically important parameters stored or transmitted must be adequately protected against accidental or intentional corruption. It should not be possible to reset utility measuring instruments displaying total quantity supplied, when this amount is used for invoicing.

Who benefits is responsible

According to MID, an entity commercially benefitting from a measurement result is responsible for having MID compliant measurement systems.

All these requirements have been taken into consideration in the development of OnatexMID measurement system.

OnatexMID liquid measurement system

- proven in use

Ontec took to develop MID products already in 2004. After ten years, Ontec was the first company in the world to develop a MID certified digital connection with flowmeters enabling usage of data of volume, mass and density in a MID approved manner.

After the OntexMID Directive 2014/32/EU approval in 2014, the system has proven itself in several industrial objects. Traditional double pulse meters can also be connected to the system with MID approval. Developing an MID approved measuring systems takes time and effort. Our pre-existing MID approval will diminish your risks and speed up your project schedule.

Useful links

Follow our MID and legal metrology article series in LinkedIn

ONTEC PRODUCT STANDARDS

Quality is the cornerstone of our operations. This is proven by our ISO 9001 Quality Management System, which is certified by an impartial inspection body. The same applies to our certified products. We train our team constantly, perfecting our products to meet the ever-toughening technical requirements and directives.

MID

OnatexMID

Is a measuring system compliant with Measurement Instruments Directive MID 2014/32/EU

MODULE B

OntecMiloX

measuring - and liquid loading system is EU Module B-certified for liquids other than water

ATEX

OnatexHeat

trace heating system is directive 2014/34/EU certified for potentially explosive areas

JIG

OntecJetAir

aviation fuel quality system comply with the Joint Inspection Group JIG quality standards



eurofins

SGS



WELMEC
European Cooperation in Legal Metrology



JIG
jigonline.com

QUALITY MANAGEMENT SYSTEMS AND CERTIFICATIONS

High quality is possible only when each employee is committed to it. We develop the expertise of our employees constantly by training them in-house and by outside experts. Everyone at Ontec is keen on developing our working methods. Strengths of Ontec Oy are: understanding the big picture of the industry, knowing our clients and their production processes, clients receive full solutions to their problems, agility and short response times.

ISO 9001

Quality Management System since 2012

ATEX

QMS for Potentially explosive atmospheres (directive 2014/34/EU)

KATAKRI

Ontec Oy's premises, operating methods, and electronic data processing equipment are Katakri 2020 qualified

KNOWN SUPPLIER

Known Supplier of Airport Supplies



T10

Our health and safety processes are T10 audited

CONTACT US

ONTEC OY

Sutelantie 277

48400 KOTKA

+358 5 229 6300

info@ontec.fi

SALES & MARKETING

Kare Kupiainen

+358 440 668 321

kare.kupiainen@ontec.fi

PROJECTS

Esa Käyhty

+358 440 668 322

esa.kayhty@ontec.fi

MARKETING & QUALITY

Tanja Karpale

+358 451 177 701

tanja.karpale@ontec.fi

ONTEC.FI

