ONTEC

STEPS AHEAD

Mobile Machines

Stabilisation Machines
Dredgers
Mining Machines

SPECIAL SYSTEMS

Under water and ground

Ontec Oy has a deep knowledge of specific needs of special industries.

Ontec employees have more than 30 years of experience in working with special industries and EX zones.

We are experts in automation of

- stabilisation and mining machines
- dredgers
- drill platforms.

We develop and maintain software for controlling, reporting and monitoring of these heavy-duty mobile machines.

OntecOPR

Pillar Report for stabilisation machines

A system for monitoring and reporting status of pillar installations by stabilisation machines. The system provides client reports and internal monitoring. Content of the reports can be tailored to meet the client needs.

OntecOPR's reports also serve as part of invoicing documentation. Based on the reports available from the system, the invoicing criteria can be the number or length of pillars installed.

The pillar data is transferred directly to the system using the WebOPR browser interface over the Internet. Pillar-specific profiles can also be downloaded to the stabilisation machine so that the data is conveniently available at the site. The data can be accessed from anywhere with any mobile device.

OntecOPR

Pillar Report for stabilisation machines

Needs

- Monitoring and reporting of pillars made by stabilisation machine
- InfraRYL: Defines information which should be reported to the customer

OPR - Reporting

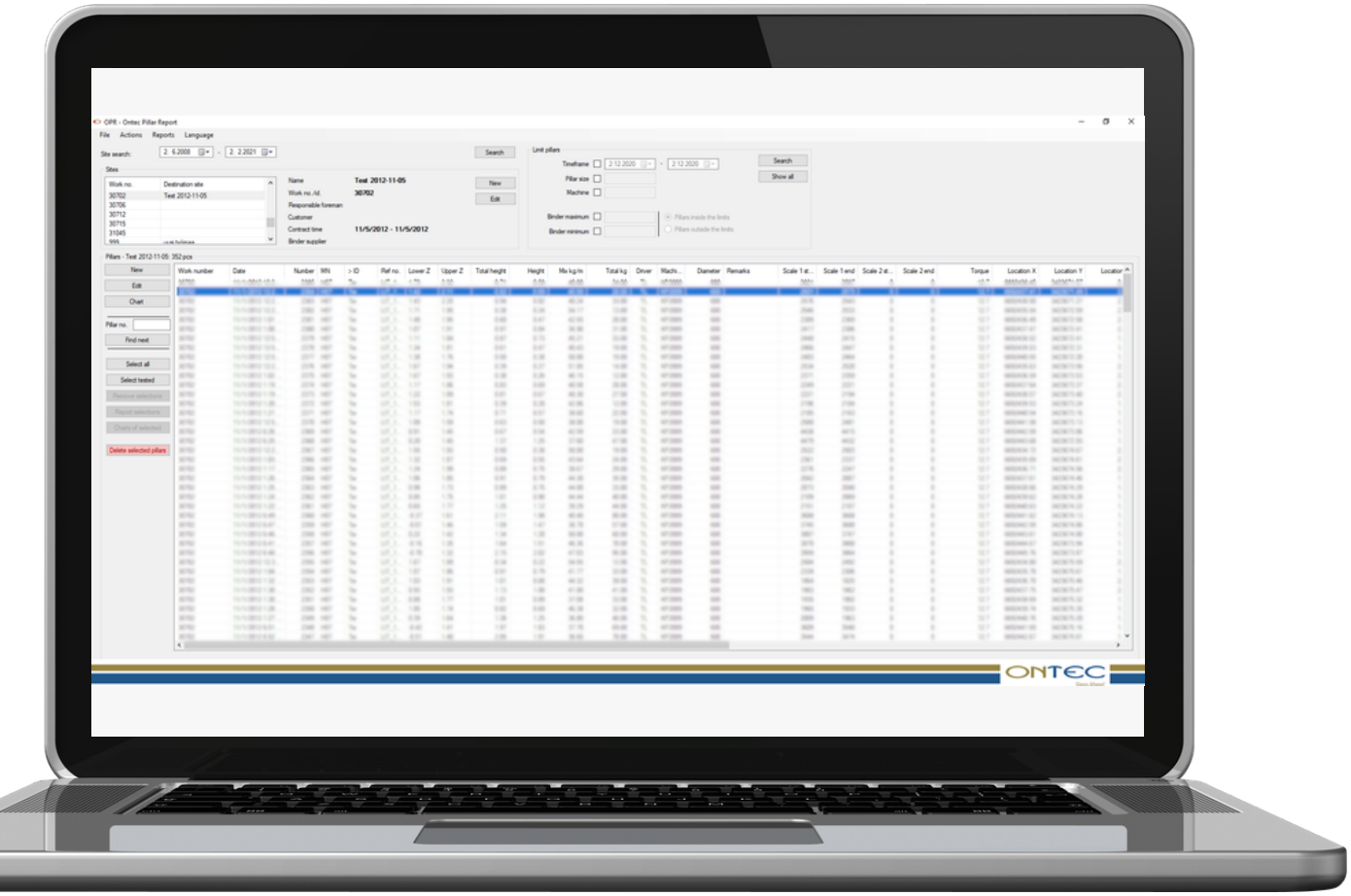
- Stabilization machine saves pillar data:
  - Every 20 centimetres
  - Automatically adds GPS coordinates

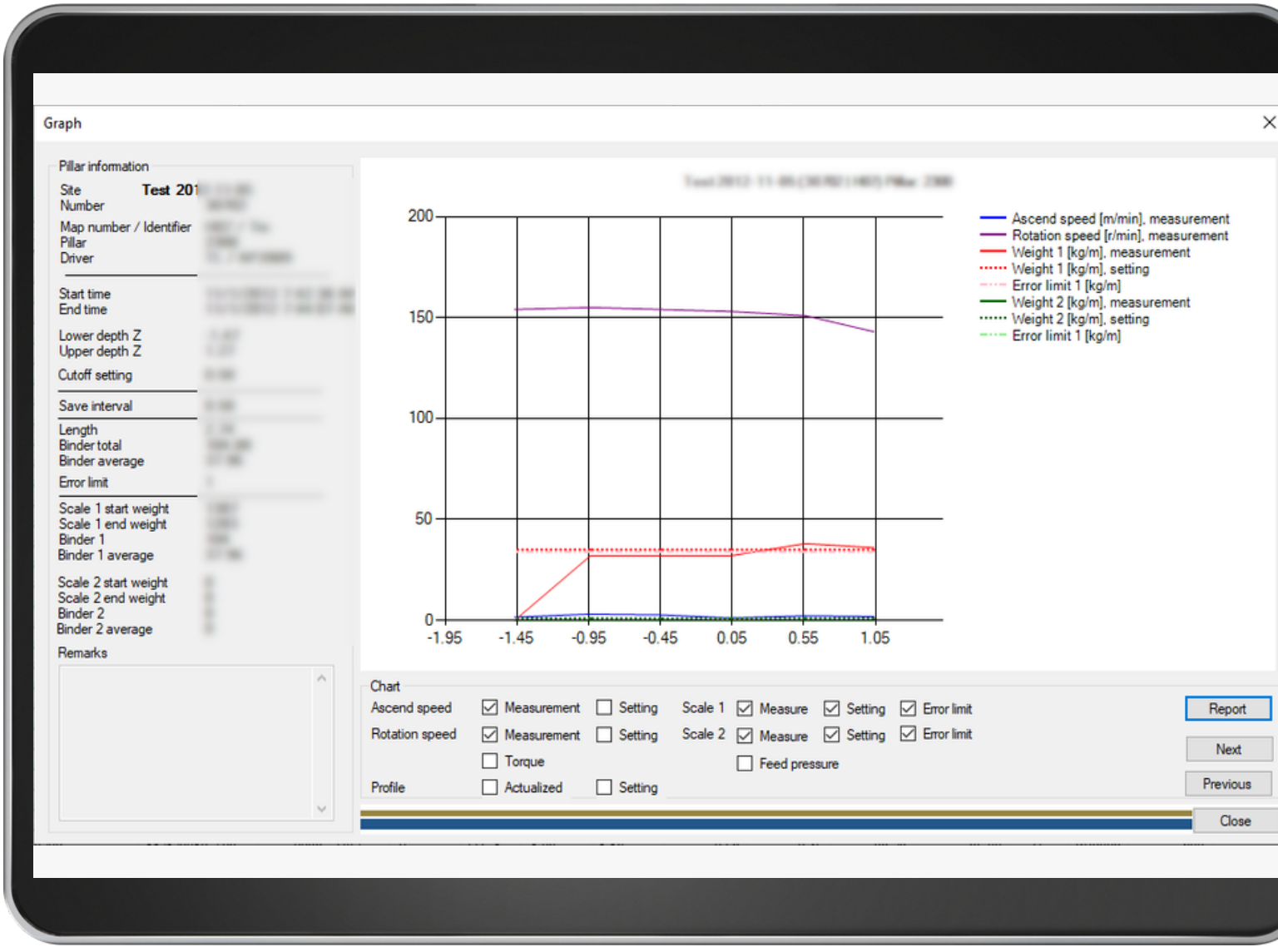
Data will be imported to the OPR:

- Building site management
- Viewing and reporting of summary data
- Viewing and reporting of pillar specific data

Update work instructions easily

- Distribution of work plans is easy via WebOPR
- Changes to the work plan can be done by a push of a button for each stabilising machine




Graph
Pillar information
Site
Test 201
Number
Map number / Identifier
Pillar
Driver
Start time
End time
Lower depth Z
Upper depth Z
Cutoff setting
Save interval
Length
Binder total
Binder average
Error limit
Scale 1 start weight
Scale 1 end weight
Binder 1
Binder 1 average
Scale 2 start weight
Scale 2 end weight
Binder 2
Binder 2 average
Remarks
200
150
100
50
0
-1.95
-1.45
-0.95
-0.45
0.05
0.55
1.05
Ascend speed [m/min], measurement
Rotation speed [r/min], measurement
Weight 1 [kg/m], measurement
Weight 1 [kg/m], setting
Error limit 1 [kg/m]
Weight 2 [kg/m], measurement
Weight 2 [kg/m], setting
Error limit 1 [kg/m]
Chart
Ascend speed
Measurement
Setting
Scale 1
Measure
Setting
Error limit
Rotation speed
Measurement
Setting
Scale 2
Measure
Setting
Error limit
Torque
Feed pressure
Profile
Actualized
Setting
Report
Next
Previous
Close

Pillar report

Site: Test 2012-11-05 Work number.: 30702

Customer: Responsible foreman:

Binder supplier:

Selected pillars only

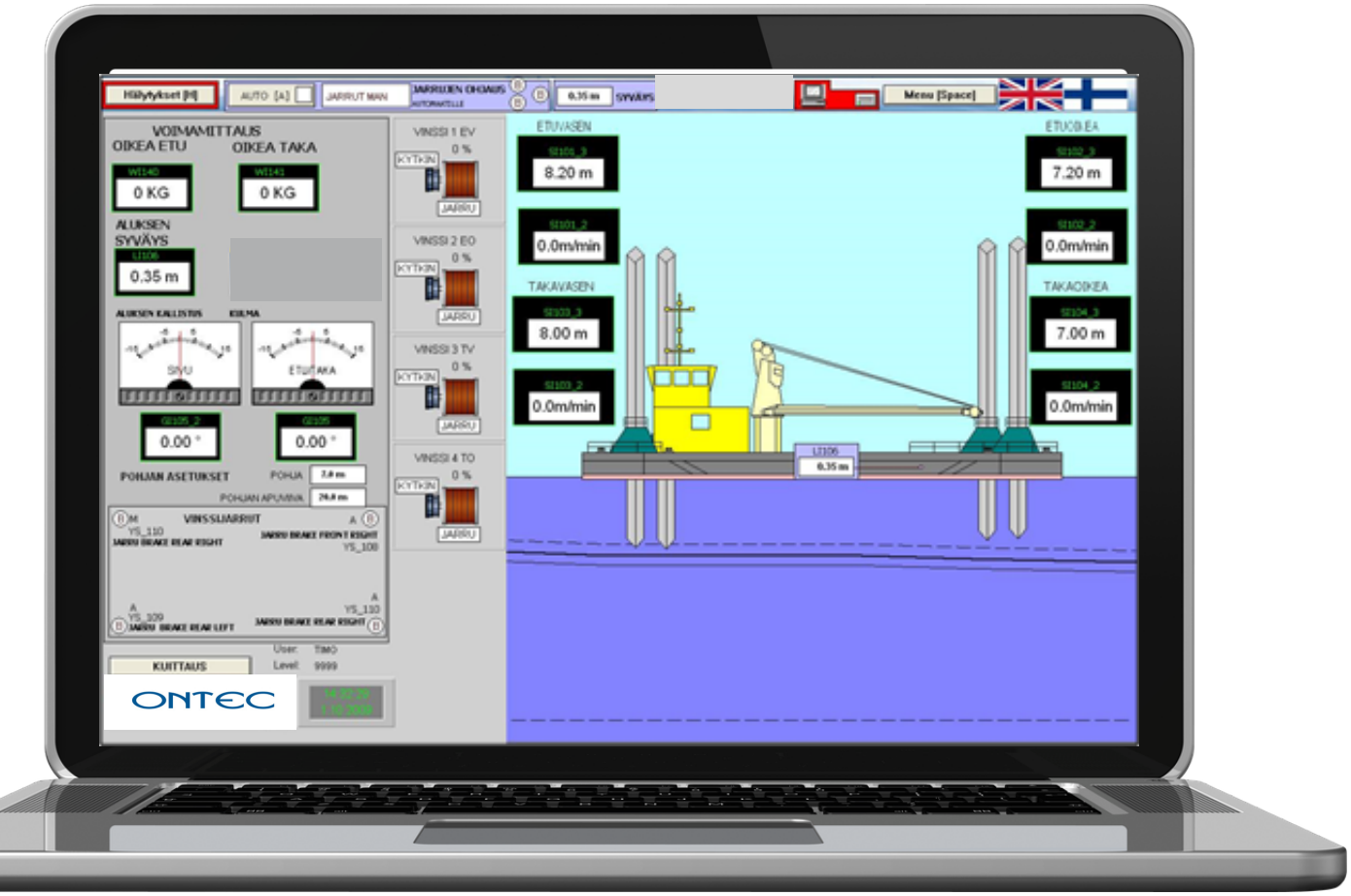
Date	Time	No.	MN	Identifier	Machine	Binder average	Tot. binder	Drill Size	Height
						[kg/m]	[kg]	[mm]	[m]
11/1/2012	6:22 AM	2342	H07	Tie	KP1009	37.28	85	600	2.28
11/1/2012	6:25 AM	2368	H07	Tie	KP1009	37.6	47	600	1.25
11/1/2012	6:26 AM	2369	H07	Tie	KP1009	42.59	23	600	0.54
11/1/2012	6:28 AM	2327	H07	Tie	KP1009	34.98	85	600	2.43
11/1/2012	6:30 AM	2311	H07	Tie	KP1009	34.94	87	600	2.49
11/1/2012	6:32 AM	2296	H07	Tie	KP1009	37.32	128	600	3.43
11/1/2012	6:35 AM	2280	H07	Tie	KP1009	35.17	102	600	2.9
11/1/2012	6:38 AM	2343	H07	Tie	KP1009	42.37	100	600	2.36
11/1/2012	6:40 AM	2356	H07	Tie	KP1009	47.03	95	600	2.02
11/1/2012	6:41 AM	2357	H07	Tie	KP1009	46.36	70	600	1.51
11/1/2012	6:46 AM	2358	H07	Tie	KP1009	50	60	600	1.2
11/1/2012	6:47 AM	2359	H07	Tie	KP1009	36.78	57	600	1.47
11/1/2012	6:49 AM	2360	H07	Tie	KP1009	40.4	80	600	1.98
11/1/2012	6:51 AM	2348	H07	Tie	KP1009	37.7	69	600	1.83
11/1/2012	6:52 AM	2347	H07	Tie	KP1009	36.65	70	600	1.91
11/1/2012	6:54 AM	2346	H07	Tie	KP1009	35.92	74	600	2.06
11/1/2012	6:56 AM	2345	H07	Tie	KP1009	36.13	56	600	1.55
11/1/2012	6:57 AM	2344	H07	Tie	KP1009	35.81	82	600	2.29
11/1/2012	6:59 AM	2328	H07	Tie	KP1009	35.94	92	600	2.56
11/1/2012	7:01 AM	2281	H07	Tie	KP1009	35.71	100	600	2.8
11/1/2012	7:03 AM	2297	H07	Tie	KP1009	40.46	106	600	2.62
11/1/2012	7:05 AM	2312	H07	Tie	KP1009	39.71	110	600	2.77
11/1/2012	7:07 AM	2329	H07	Tie	KP1009	36.28	82	600	2.26
11/1/2012	7:09 AM	2313	H07	Tie	KP1009	34.91	96	600	2.75
11/1/2012	7:11 AM	2330	H07	Tie	KP1009	37.63	73	600	1.94
11/1/2012	7:13 AM	2331	H07	Tie	KP1009	38.95	67	600	1.72

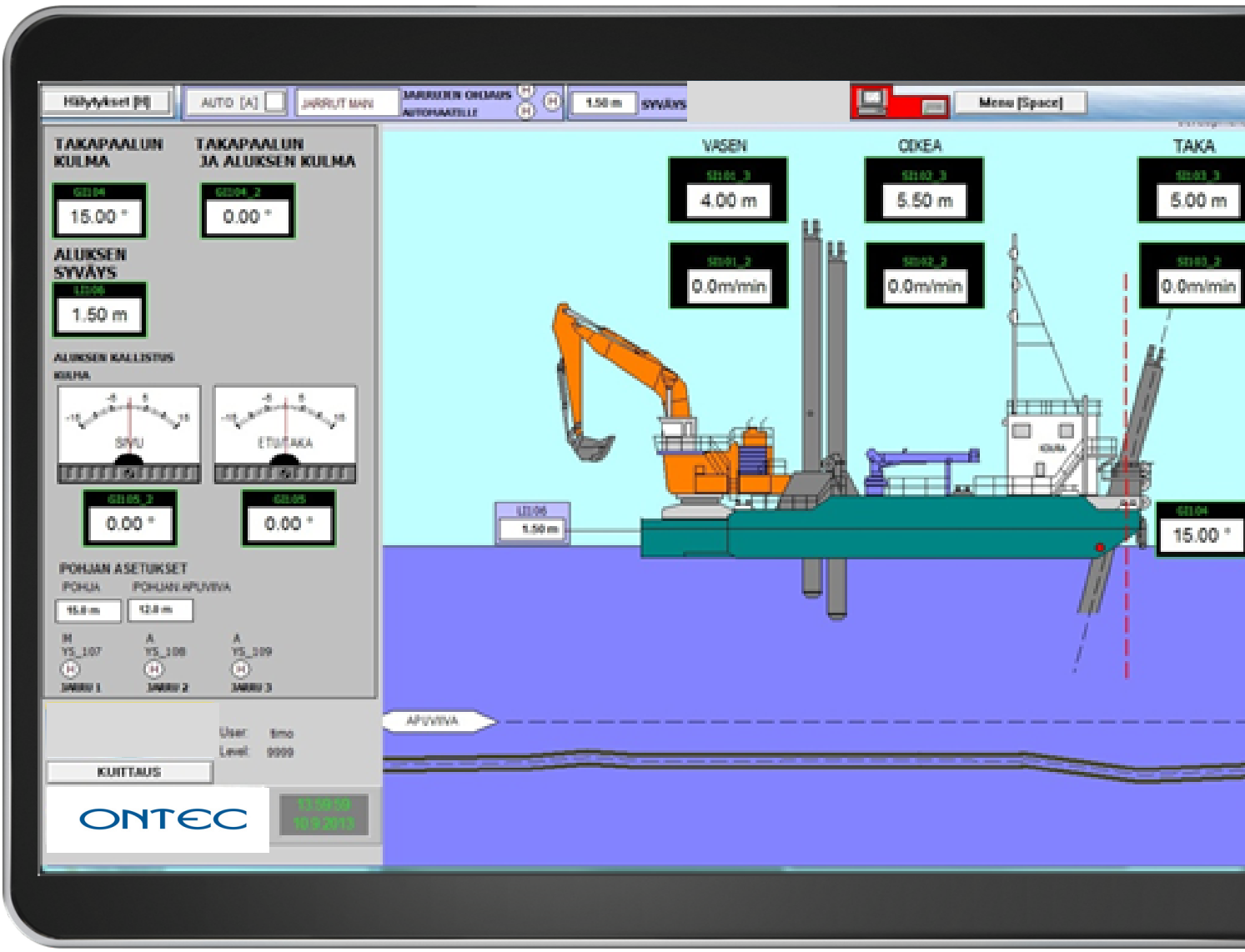
Ontec PRODUCTS

Dredgers and drill platforms

Ontec automation

- Fieldbus based valve block control
- Piling controls
- Vessel heel angle control
- Depth of piles
- Breaking functions
- Cable force measurements
- Emergency stop systems
- Pushbutton switches
- Voice alarms and flashwarnings


Hälytykset [H]
AUTO [A]
JARRUT MAN
0.35 m
SYVÄYS
Menu [Space]
VOIMAMITTAUS
OIKEA ETU
OIKEA TAKA
0 KG
0 KG
ALUKSEN SYVÄYS
0.35 m
VINSSI 1 EV
VINSSI 2 EO
VINSSI 3 TV
VINSSI 4 TO
KYTKIN
JARRU
ETUVASEN
ETUOIKEA
8.20 m
7.20 m
0.0m/min
0.0m/min
TAKAVASEN
TAKAOIKEA
8.00 m
7.00 m
0.0m/min
0.0m/min
0.00 °
0.00 °
POHJAN ASETUKSET
VINSSIJARRUT
KUITTAUS
ONTEC


Hälytykset [H]
AUTO [A]
JARRUT MAN
1.50 m
SYVÄYS
Menu [Space]
TAKAPAALUN KULMA
TAKAPAALUN JA ALUKSEN KULMA
15.00 °
0.00 °
ALUKSEN SYVÄYS
1.50 m
ALUKSEN KALLISTUS KULMA
0.00 °
0.00 °
POHJAN ASETUKSET
POHJA
POHJAN APUPIIVIA
15.0 m
12.0 m
VASEN
OIKEA
TAKA
4.00 m
5.50 m
5.00 m
0.0m/min
0.0m/min
0.0m/min
15.00 °
APUPIIVIA
User: timo
Level: 9999
KUITTAUS
ONTEC

OntecMining

Control system for mining machines

OntecMining control system compiles data from machines used in the mining industry into a single place and processes the compiled data into a consistent format. The data can be viewed in a single system, which makes it easy to see the bigger picture and produces necessary reports. The web interface allows easy access to information and reports from any mobile device.

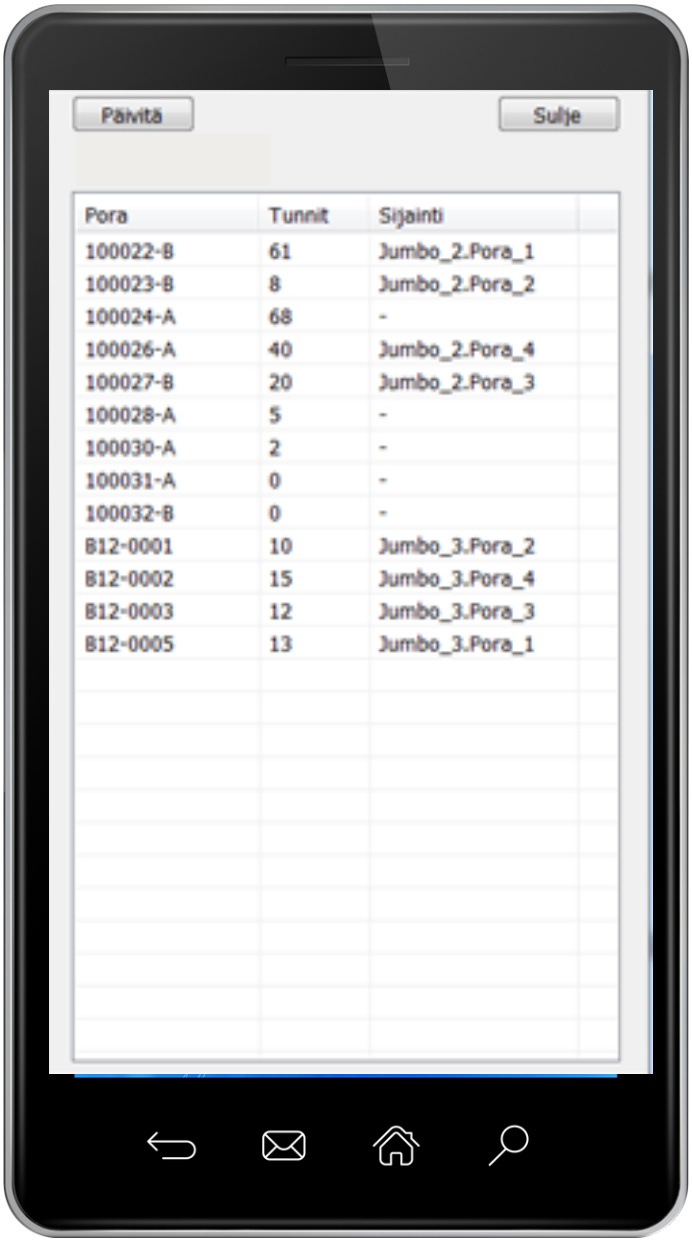
Data to be compiled in the system includes

- Fuel consumption monitoring
- Use of explosives
- Jumbos of different manufacturers
- Charging and injection
- Blasting and bolting
- Scaling
- Loading and driving away
- Automatic control of water pumped out

OntecMining

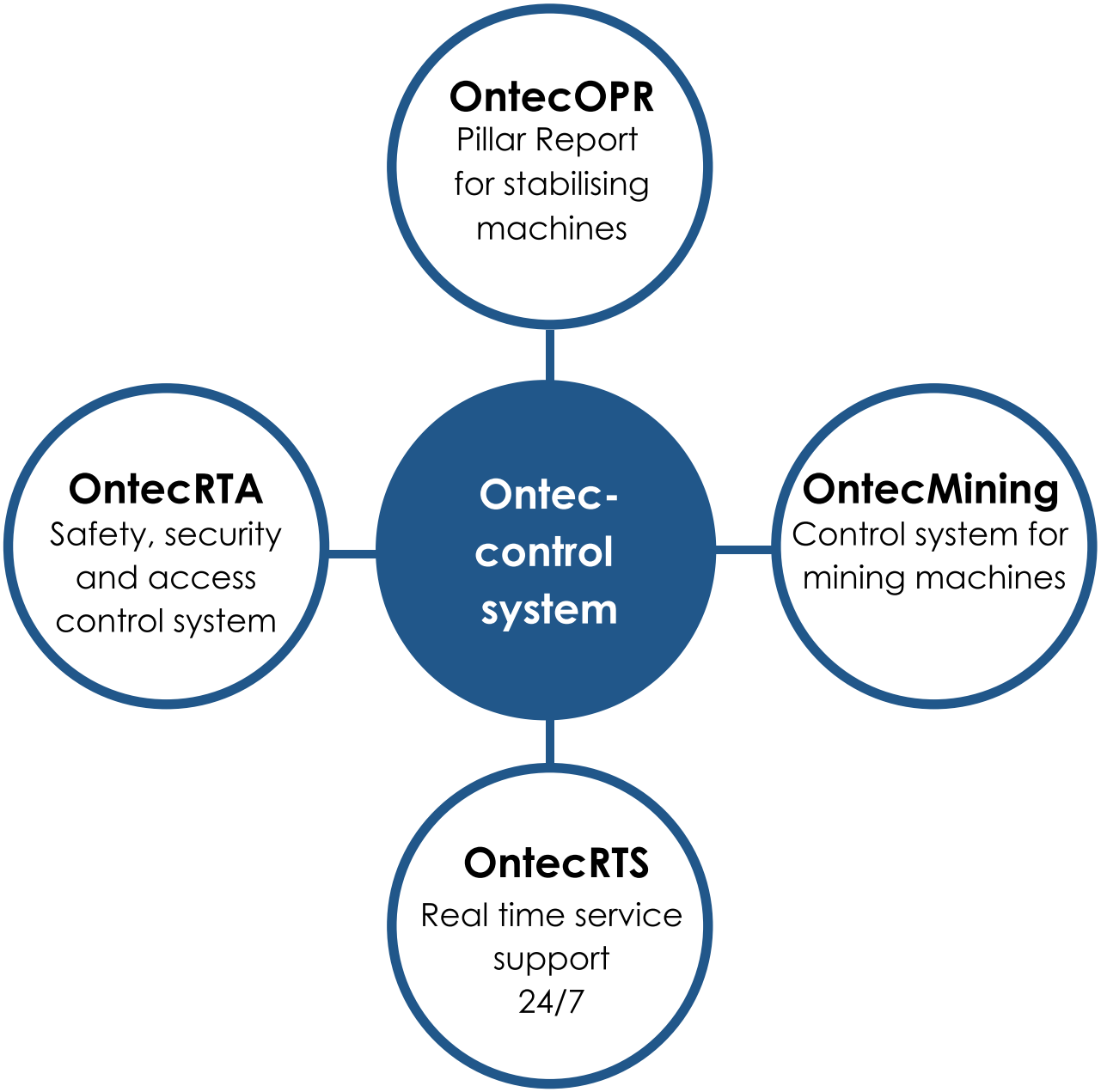
Drill control

- Running hours management
- Maintenance diary
- Drill specific running hours control
- Notes functions



All Ontec products are fully integratable with each other.

ONTEC MODULES
create what you need



	Certifications	OGC	Aviation	Mobile machines
OnatexMID Measuring system for liquids other than water	MID ATEX	✓	✓	
OntecMilo Liquid loading system	MID ATEX	✓	✓	
OntecOGC Process control system		✓		✓
OntecAir Process control system	JIG compliant		✓	
OntecJetAir Maintenance control system	JIG compliant		✓	
OntecRTA Real-Time Access control and safety system		✓	✓	✓
OntecRTM Real-Time Maintenance software		✓	✓	✓
OntecReport Reporting software		✓	✓	✓
OntecDiary For event documentation		✓	✓	✓
OnatexHeat Trace heating system	ATEX	✓	✓	
OntecFireExt Fire extinguishing system	ATEX	✓	✓	
OntecOPR Pillar report for stablising machines				✓
OntecMining Control system for mining machines				✓
OntecRTS Real-Time Service and support		✓	✓	✓
24/7 **Devices**	MID ATEX	✓	✓	✓
Training & consultation		✓	✓	✓

ONTEC PRODUCTS

We are an experienced full control system supplier. Our products have been developed for demanding conditions.

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

OUR REFERENCES

We have over 100 happy, global clients.

WE CREATE SAFETY

Ontec is a trusted partner and supplier for the security and safety sector.

Our expertise in the field of safety and security of supply is unique.

- We take part in ensuring Finland's capability to defend itself and maintain needed supplies at all times.
- We have the Known Supplier of Airports status.
- We have been part in projects in nuclear power-related environments.
- Our employees are security checked.

ONTEC OY

Ontec Oy is a hightech company from Finland established in 2002, specialising in demanding liquid logistics control systems and software.

QUALITY MANAGEMENT SYSTEMS AND APPROVALS

ISO 9001 **ATEX QMS** **T10**

KNOWN SUPPLIER OF AIRPORT SUPPLIES

Fuel handling from tank terminal to tank truck has never been easier than with Ontec-products. Most of our customers are global technology leaders in oil, gas and chemical industries. Environmental safety is crucially important for all our customers.

Ontec Oy has also special products complying with JIG standards for the needs of aviantion industry. From 2020 onwards, our company focuses more on bio-based fuel handling.

ONTEC.FI

CONTACT US

ONTEC OY

Sutelantie 277

48400 KOTKA

FINLAND

SALES & MARKETING

Kare Kupiainen

+358 440 668 321

kare.kupiainen@ontec.fi

PROJECTS

Esa Käyhty

+358 440 668 322

esa.kayhty@ontec.fi