

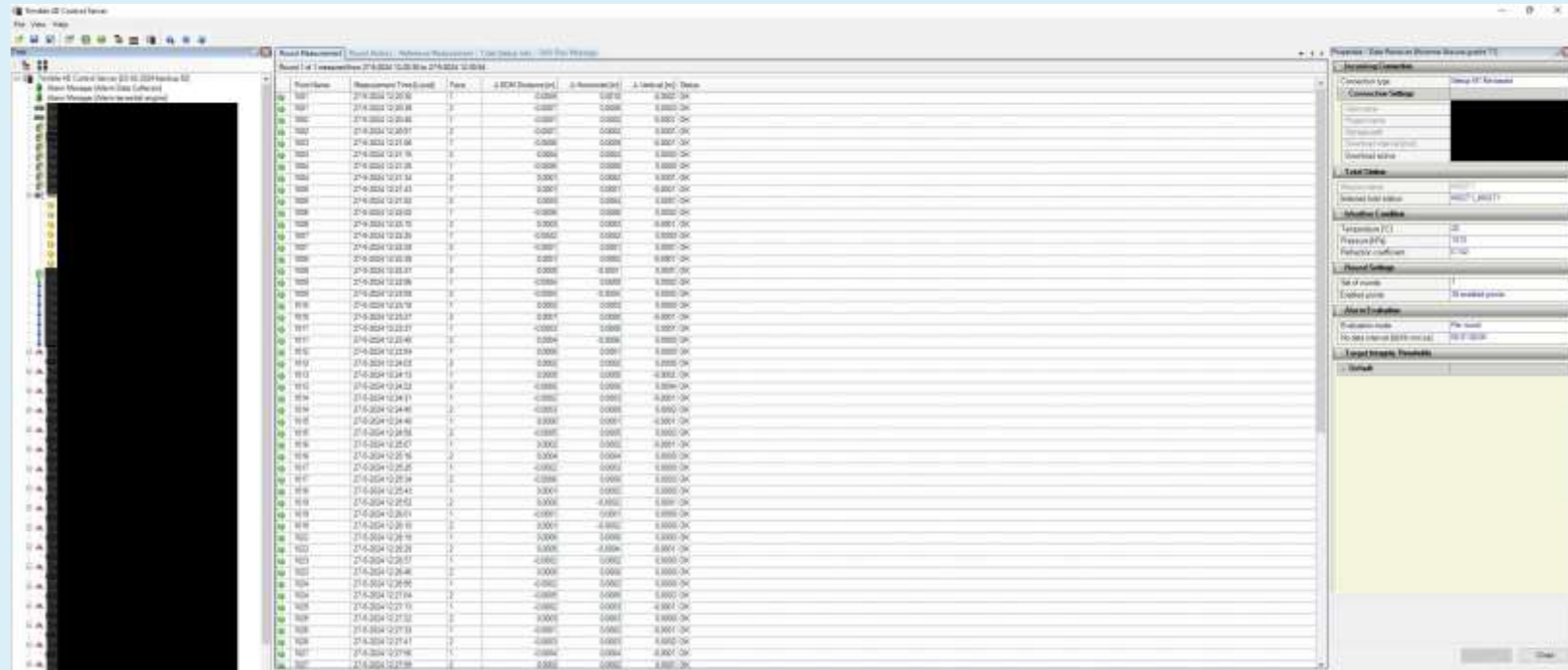
# Online monitoring Trimble T4D

Fides Expertise



# T4D control server (beheer apparatuur en koppelingen)

- Data receiver (Settop M1)
- Data collector (Settop M1)
- Data logger (data ophalen)
- Database (centraal opslag)
- Terrestrial engine (verwerking)
- Temperatuur sensors



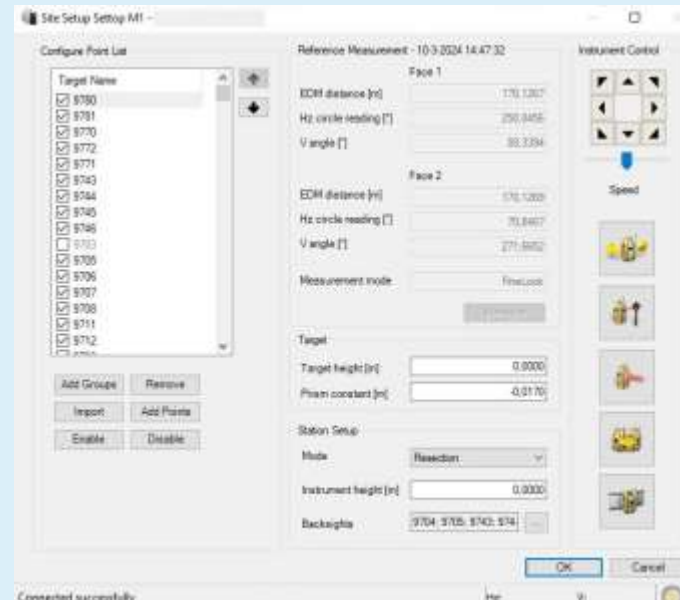
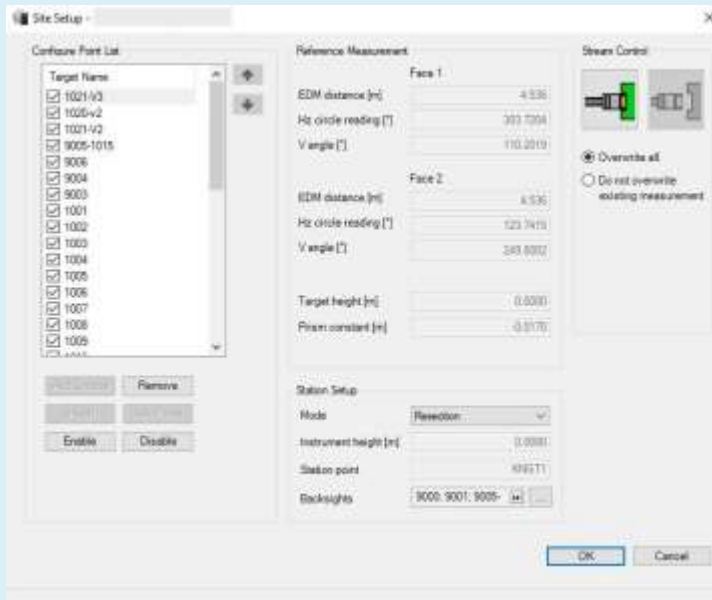
# Settop M1

## Data Receiver / Data collector



Aansturing Total Station (Settop M1)

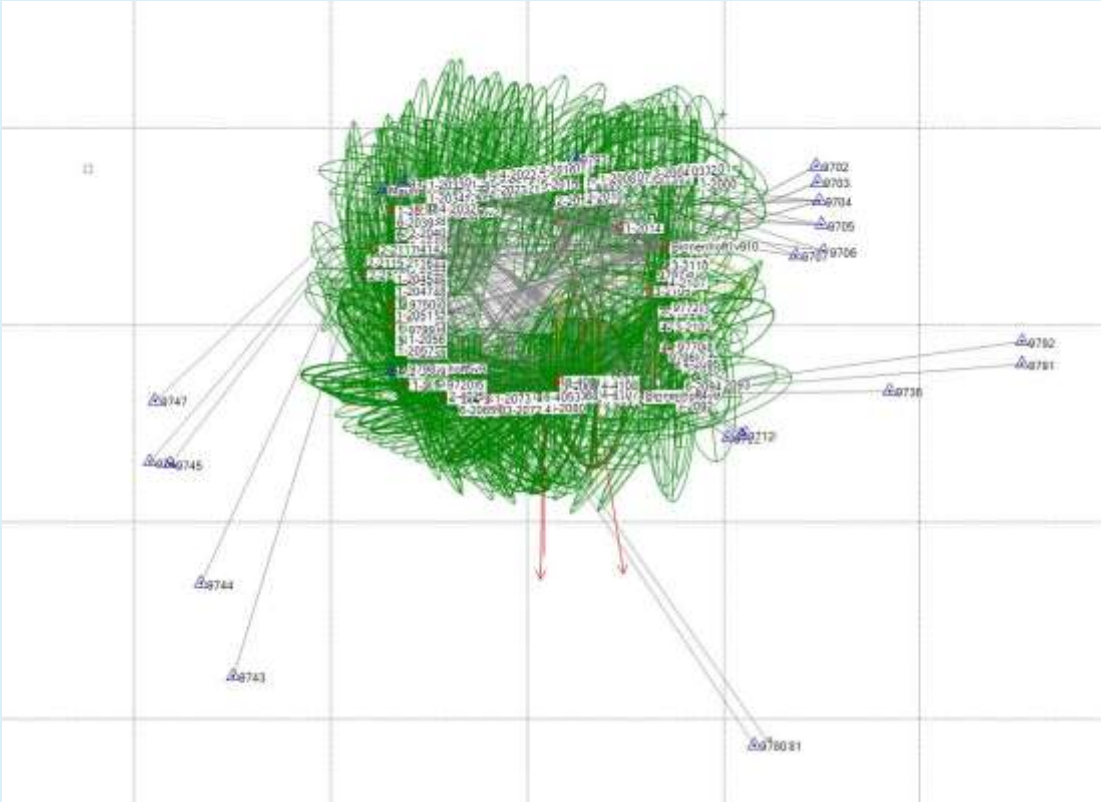
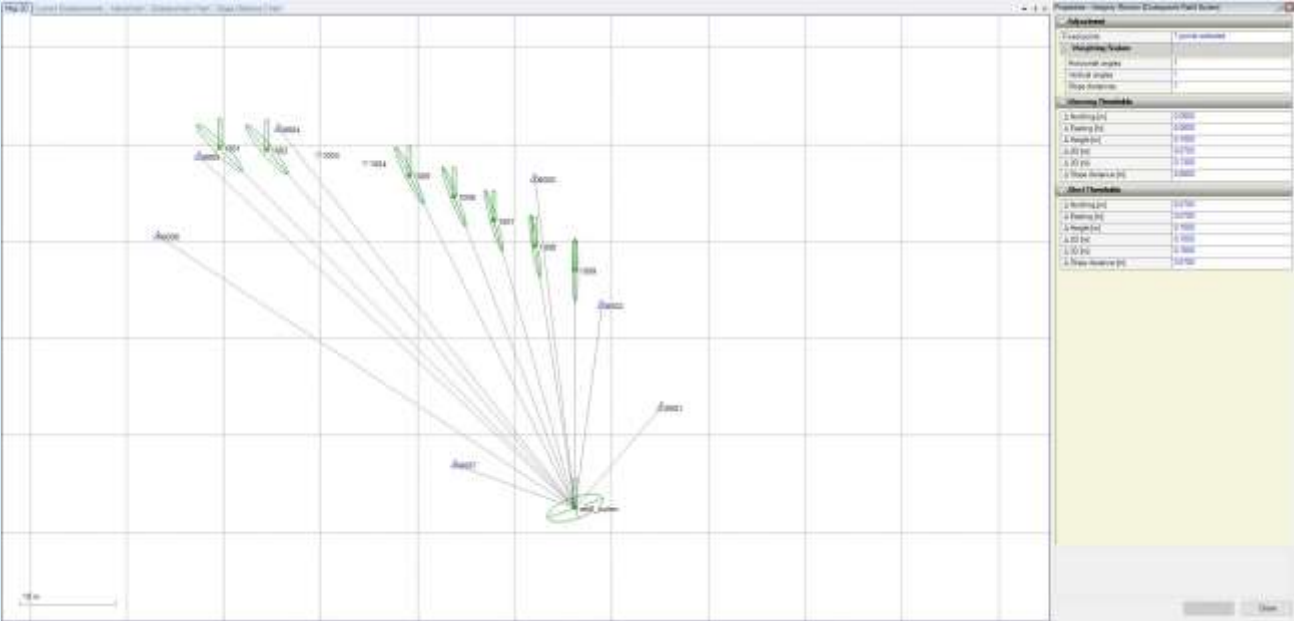
Ontvangen data Total Station (data Receiver / collector)  
Data receiver Data collector



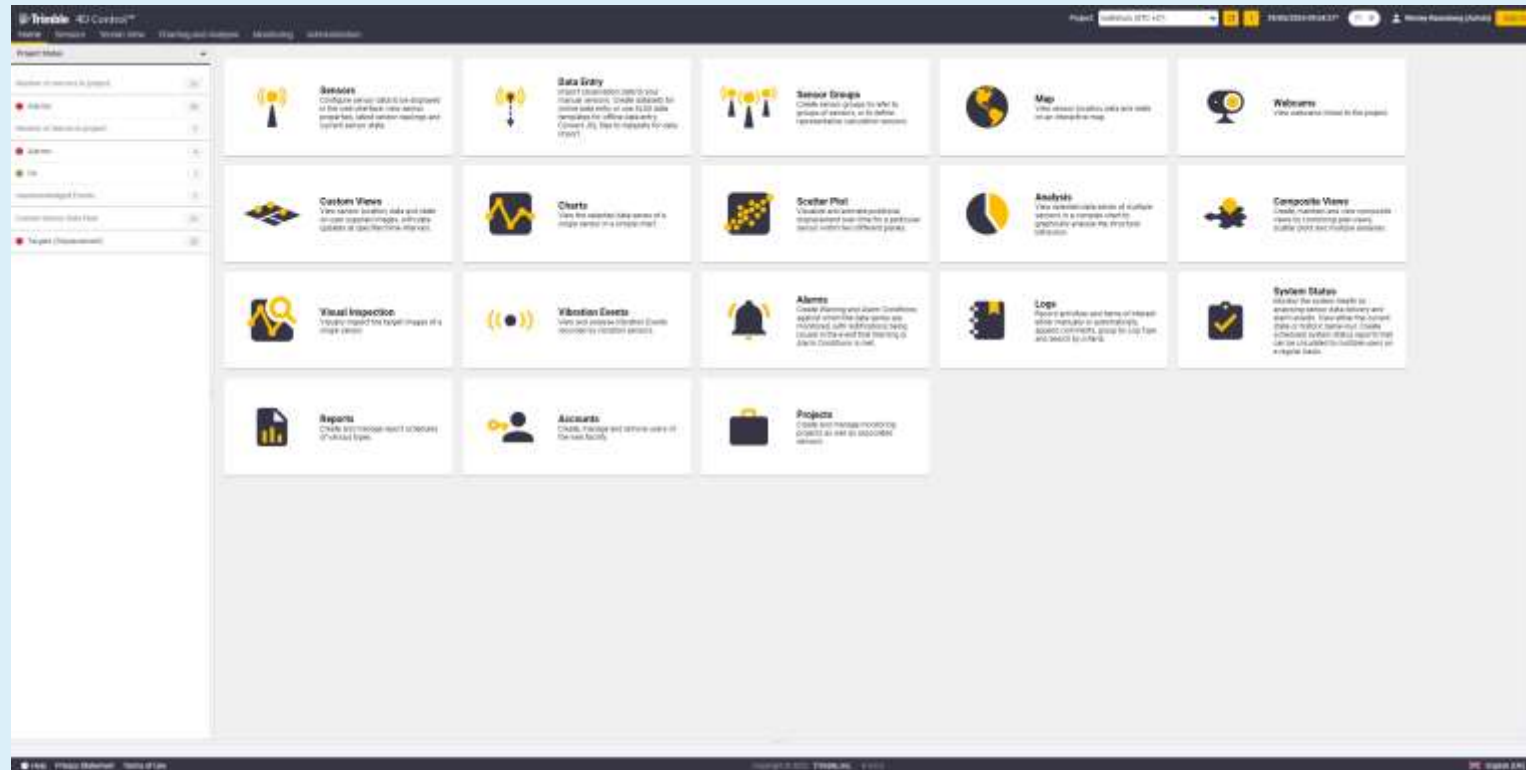
# Terrestrial Engine

Verwerking module:

- Meerdere Total stations mogelijk
- Distance PPM Correction
- Vertical refraction correction



# Web portal (T4D Web)



# Beheer Projecten ( Admin Portal )









































Centraal de projecten opvragen.

Zoveel projecten als dat de server aan kan.

**Project Listing**

Search Projects

Search Projects  Show All

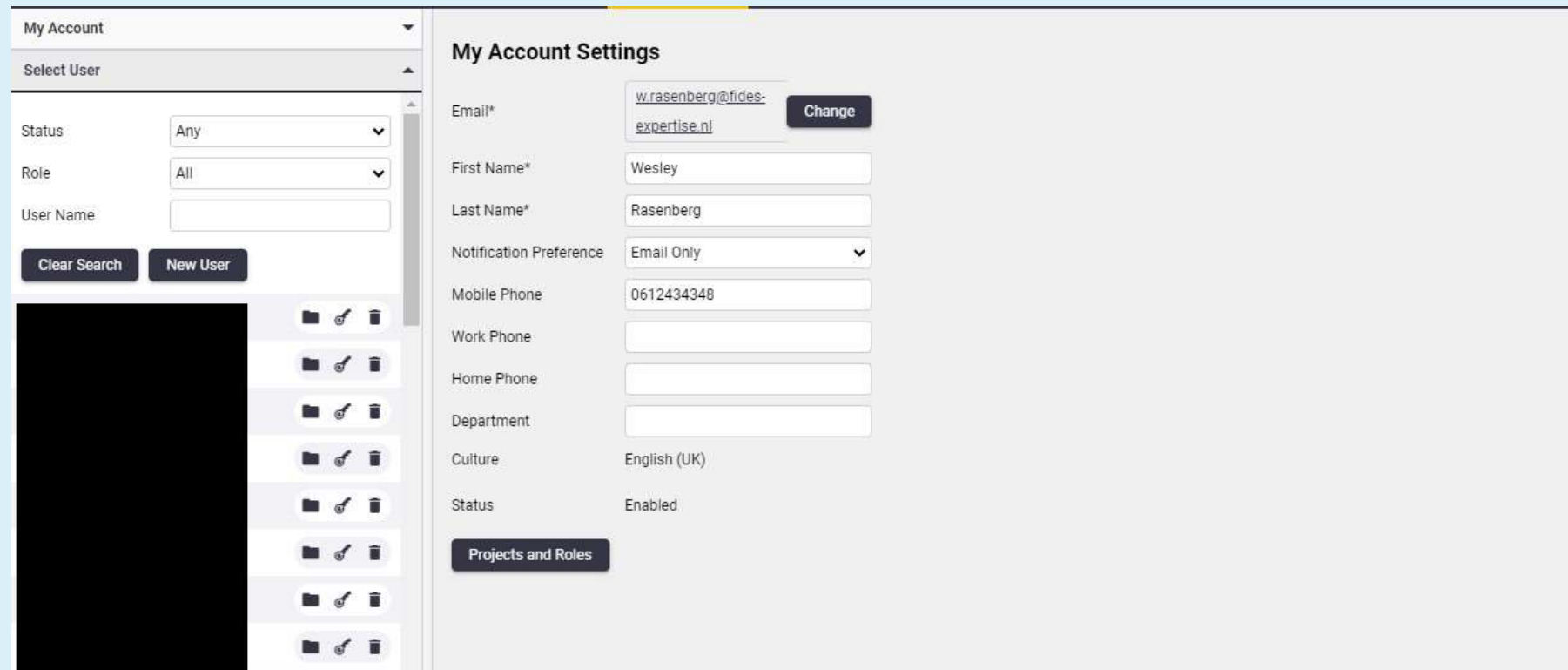
Project Title	Timezone	Coordinate System	Sensors	
Admiraal van Gentsstraat T1, Zeeheldenbuurt	(UTC+01:00) Amsterdam, Berlijn, Bern, Rome, Stockholm, Wenen	Default: Default	15	   
Admiraal van Gentsstraat T2, Zeeheldenbuurt	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna	Default: Default	15	   
Admiraal van Gentsstraat T3, Zeeheldenbuurt	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna	Default: Default	13	   
admiraal van gentsstraat T4, Zeeheldenbuurt	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna	Default: Default	18	   
Admiraal van Gentsstraat T5, Zeeheldenbuurt	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna	Default: Default	7	   
Admiraal van Gentsstraat T6, Zeeheldenbuurt	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna	Default: Default	24	   
Alexander Numaakade T1, Zeeheldenbuurt	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna	Default: Default	24	   
Alexander Numaakade T2	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna	Default: Default	15	   
Algemeen renovatie Binnenhof, Den Haag	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna	Default: Default	1566	   
Archief algemeen renovatie Binnenhof	(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna	Default: Default	225	   

1 2 3 4 5 6 7 ... 10 >

# Gebruikers

Zoveel gebruikers als de server aan kan.

Bepaalde gebruikers toekennen aan verschillende projecten.



The screenshot displays the user management interface, divided into two main sections: a user list on the left and a 'My Account Settings' form on the right.

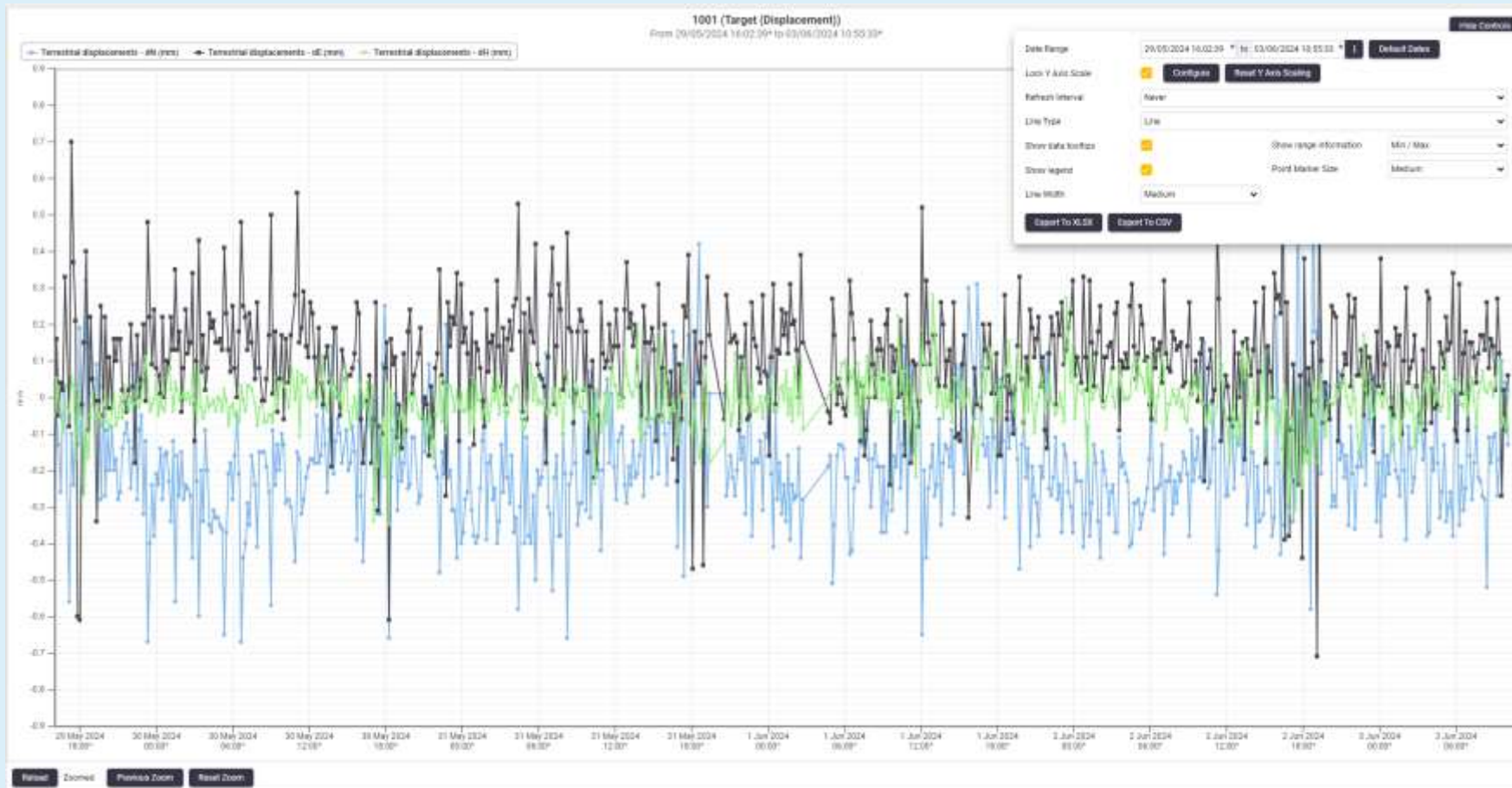
**User List (Left Panel):**

- Header: My Account (dropdown), Select User (dropdown)
- Filters: Status (Any), Role (All), User Name (text input)
- Buttons: Clear Search, New User
- List: A table of users, each with a folder icon, a key icon, and a trash icon. The content of the table is obscured by a black redaction box.

**My Account Settings (Right Panel):**

- Section: My Account Settings
- Fields: Email\* (w.rasenberg@fides-expertise.nl), Change button; First Name\* (Wesley); Last Name\* (Rasenberg); Notification Preference (Email Only); Mobile Phone (0612434348); Work Phone; Home Phone; Department; Culture (English (UK)); Status (Enabled)
- Button: Projects and Roles

# Charts

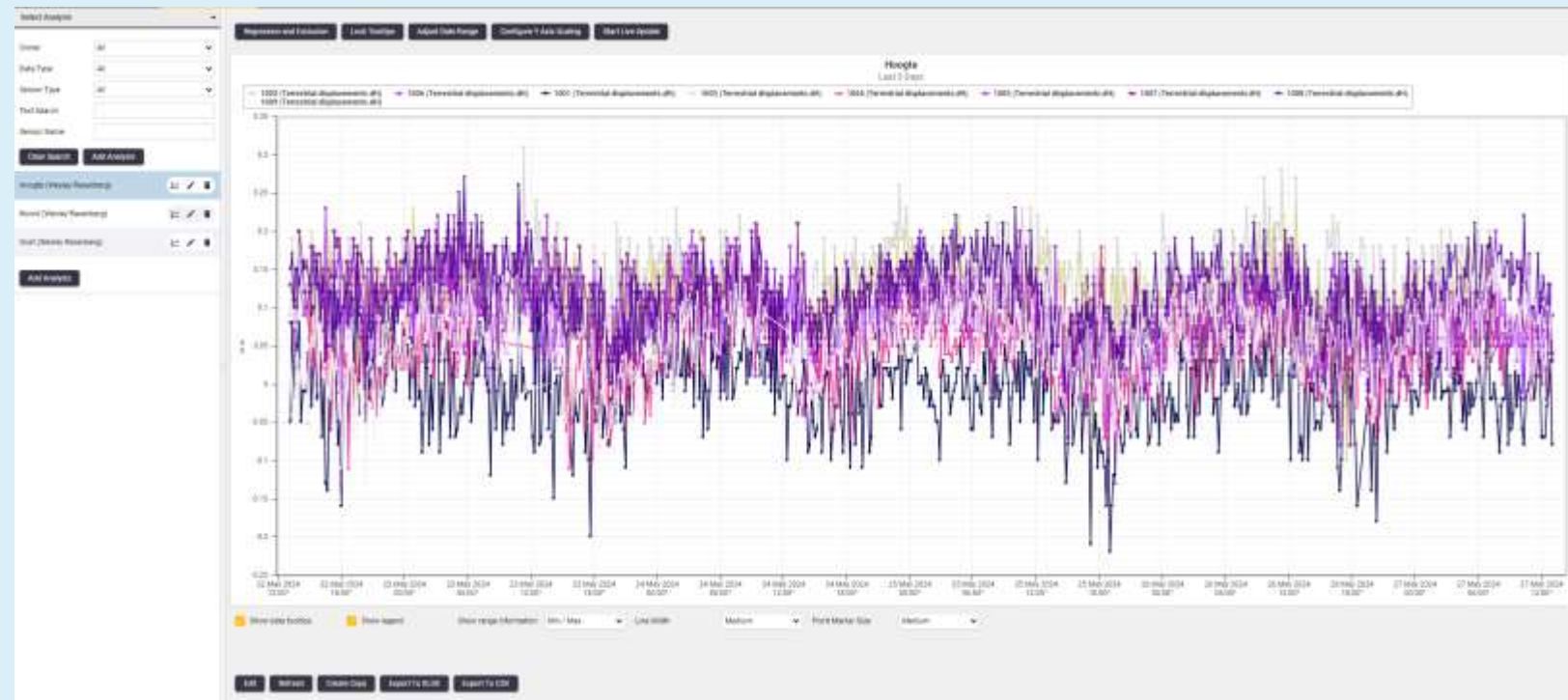




# Analyse

Meerdere sensors in 1 grafiek.

Meerdere richtingen en meerdere sensors in 1 grafiek



# Custom views

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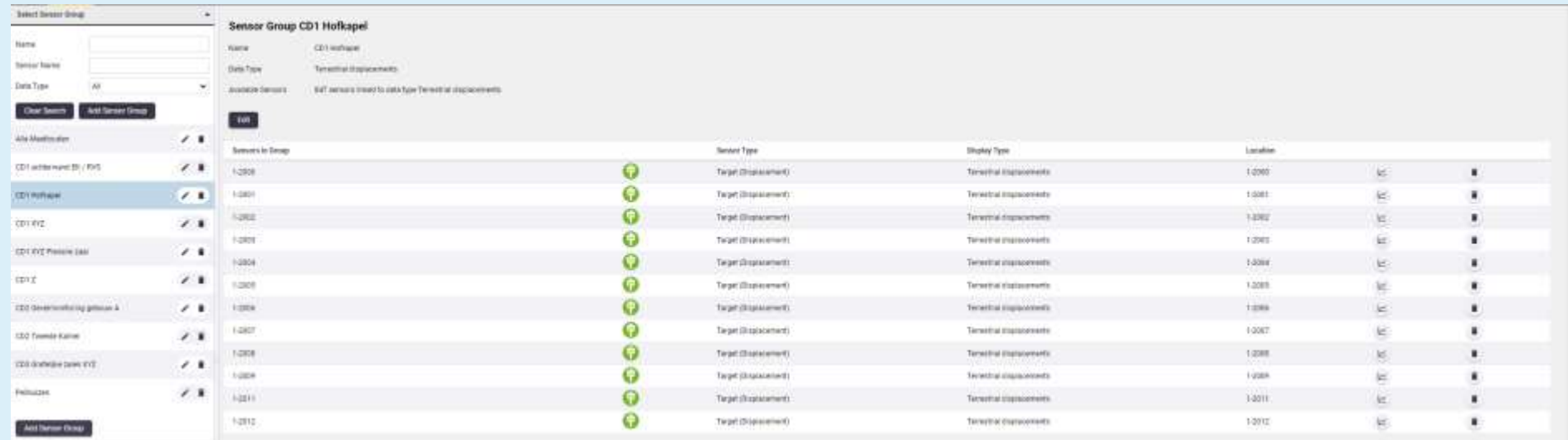
Foto's toevoegen met de meetpunten  
Overzicht tekeningen toevoegen met de meetpunten.



# Point groups

Sensoren groeperen  
Voor volledig overzicht.

Zoveel groepen  
aanmaken per project  
als je wil.



Sensors in Group	Status	Sensor Type	Display Type	Location
1-2008	🟢	Target (Displacement)	Terrestrial displacements	1-2008
1-2001	🟢	Target (Displacement)	Terrestrial displacements	1-2001
1-2002	🟢	Target (Displacement)	Terrestrial displacements	1-2002
1-2003	🟢	Target (Displacement)	Terrestrial displacements	1-2003
1-2004	🟢	Target (Displacement)	Terrestrial displacements	1-2004
1-2005	🟢	Target (Displacement)	Terrestrial displacements	1-2005
1-2006	🟢	Target (Displacement)	Terrestrial displacements	1-2006
1-2007	🟢	Target (Displacement)	Terrestrial displacements	1-2007
1-2008	🟢	Target (Displacement)	Terrestrial displacements	1-2008
1-2009	🟢	Target (Displacement)	Terrestrial displacements	1-2009
1-2010	🟢	Target (Displacement)	Terrestrial displacements	1-2010
1-2011	🟢	Target (Displacement)	Terrestrial displacements	1-2011
1-2012	🟢	Target (Displacement)	Terrestrial displacements	1-2012

# Composite views

Verschillende grafieken combineren van verschillende sensoren

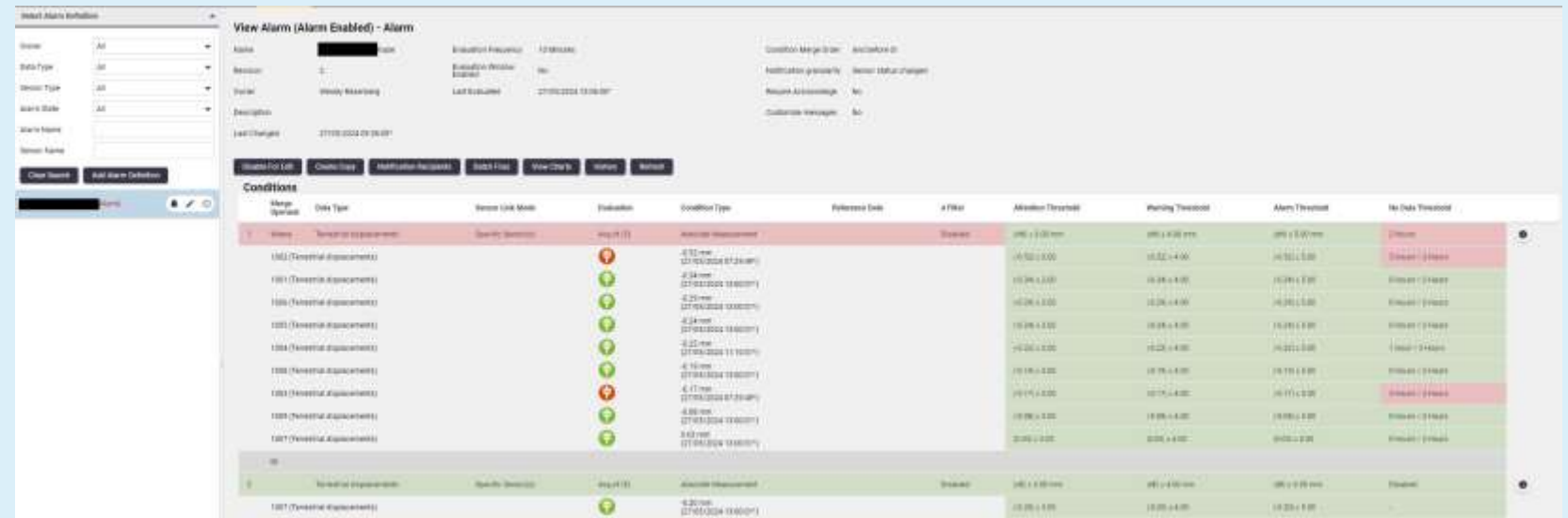


# Alarm

Automatisch alarm Mail of SMS na bereiken van signaal waarde.

Alarmering op basis van regels

Alle combinatie mogelijk



**View Alarm (Alarm Enabled) - Alarm**

Alarm Name: [Redacted]    Evaluation Frequency: 1/15min    Condition Merge State: Automatic    Activation ID: [Redacted]

Reason: 2    Evaluation Method: Error    Notification priority: None    Status: Enabled

Vendor: Weekly Reporting    Last Evaluated: 2025-02-19 15:00:00    Repeat Acknowledge: No

Description: [Redacted]    Customizable: No

Last Changed: 2025-02-19 15:00:00

Buttons: [Status For List](#) [Details Log](#) [Notification Required](#) [Add Filter](#) [View Chart](#) [Refresh](#) [Refresh](#)

Alarm Name	Data Type	Source Link Mode	Evaluation	Condition Type	Reference Date	# Filter	Alarm Threshold	Warning Threshold	Alarm Threshold	No Data Threshold
1000 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		100 ± 0.00 mm	90 ± 0.00 mm	100 ± 0.00 mm	None
1001 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1002 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1003 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1004 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1005 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1006 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1007 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1008 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1009 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1010 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1011 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1012 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None
1013 (Temperature Appointment)	Temperature	Quantity Sensor	High (1)	Alarm Measurement	Standard		10.00 ± 0.00	10.00 ± 0.00	10.00 ± 0.00	None

# Rapportages

automatisch gegenereerde rapportages

Automatisch verstuurd (Bijv. iedere dag)

? Please select a report type. ✕

Report Type Alarm Report ▼

**Alarm Report**

Analysis Report

In-Place Inclinator Report


Log Report

Positional Sensor Readings Report

System Status Report

Back
Create

The type of report to generate



## Overzicht Alarm status

Algemeen renovatie Binnenhof, Den Haag (UTC +2\*)

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Project Local Time 27/05/2024 09:02:14\*

Alarm: Alarm CD1 hoogte 2024

Nr.	Merge Operand	Data Type	Sensor Link Mode	Evaluation	Condition Type	Reference Date	Attention Threshold	Warning Threshold	Alarm Threshold	No Data Threshold
1	Where	Terrestrial displacements	Specific Sensor(s)	Avg of (5)	Absolute Measurement		ΔH  ≥ 2.00 mm	ΔH  ≥ 3.50 mm	ΔH  ≥ 7.00 mm	6 Hours
Sensors with state OK 3										
Or										
2		Terrestrial displacements	Specific Sensor(s)	Avg of (5)	Absolute Measurement		ΔH  ≥ 2.00 mm	ΔH  ≥ 3.50 mm	ΔH  ≥ 7.00 mm	6 Hours
Sensors with state OK 1										
Or										
3		Terrestrial displacements	Specific Sensor(s)	Avg of (5)	Absolute Measurement		ΔH  ≥ 2.00 mm	ΔH  ≥ 3.50 mm	ΔH  ≥ 7.00 mm	6 Hours
Sensors with state OK 2										
Or										
4		Terrestrial displacements	Specific Sensor(s)	Avg of (5)	Absolute Measurement		ΔH  ≥ 2.00 mm	ΔH  ≥ 3.50 mm	ΔH  ≥ 7.00 mm	6 Hours
Sensors with state OK 2										
Or										
5		Terrestrial displacements	Specific Sensor(s)	Avg of (5)	Absolute Measurement		ΔH  ≥ 2.00 mm	ΔH  ≥ 3.50 mm	ΔH  ≥ 7.00 mm	6 Hours
Sensors with state OK 2										
Or										
6		Terrestrial displacements	Specific Sensor(s)	Avg of (5)	Absolute Measurement		ΔH  ≥ 2.00 mm	ΔH  ≥ 3.50 mm	ΔH  ≥ 7.00 mm	6 Hours
Sensors with state OK 2										
Or										
7		Terrestrial displacements	Specific Sensor(s)	Avg of (5)	Absolute Measurement		ΔH  ≥ 2.00 mm	ΔH  ≥ 3.50 mm	ΔH  ≥ 7.00 mm	6 Hours
Sensors with state OK 2										

...
