

INSIGHT

USER MANUAL

Revision 1.6 9 August 2023



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Introduction

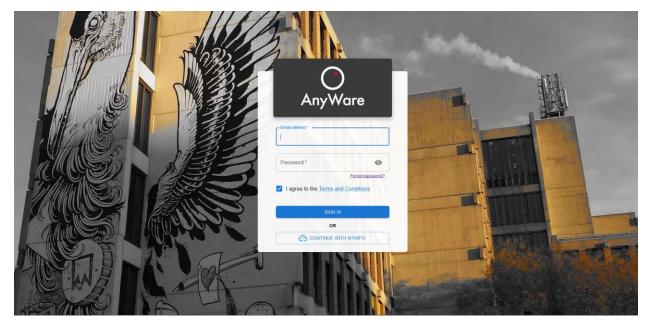
INSIGHT is the front end of AnyWare's state-of-the-art private cloud eco-system where realtime asset data is provided from all kinds of different (existing) systems and is linked to digitized domain knowledge where they can be monitored and controlled.

There are three different asset connection types which can be monitored and controlled in INSIGHT:

Connected	A connected asset has a connection via secure cellular networks and is able to send data.
Unconnected	An unconnected asset has no connection via secure cellular networks and is not able to send data.
Intelligible	An intelligible asset has a connection via secure cellular networks by linking a connected asset with an unconnected asset.

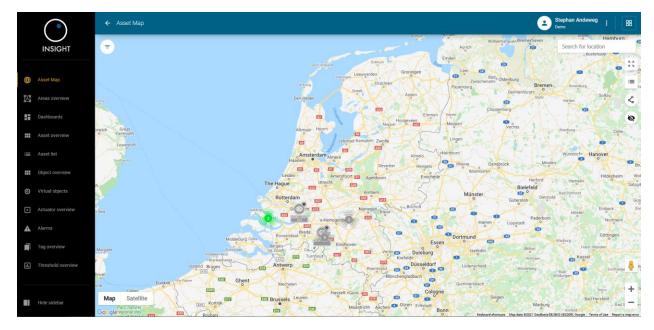


1 Login and home screen



At the login page fill in Email address and Password or use MTINFO credentials:

After successful login the home screen is shown with a menu bar at the left side, by default it shows the asset map:





Menu item	Description
Asset Map	A map where all assets are located for location based navigation
Areas overview	Shows an overview of all assets in a certain area
Dashboards	Create custom dashboards to have all the information needed in 1 screen
Asset overview	Generic overview of all asset types. Filtering is possible to get the required overview
Asset list	Generic overview of all assets. Filtering is possible to get the required overview
Object overview	Shows all "sensors" (objects)
Virtual objects	Show and add virtual sensors to devices based on simple calculations
Actuator overview	With actuators an action can be called on an asset when a threshold has been exceeded, for example: if the temperature is lower than 5 degrees, a relay needs to be switched
Alarms	Shows a list of configured alarms in case thresholds are exceeded
Tag overview	Shows a list of configured tags to be able to see a certain group of assets
Threshold Overview	The threshold overview shows a list of all thresholds set on assets or asset types

On the left side there is a menu with the following items:

On the top right (🛊) the language for the user profile can be changed by selecting "Profile":

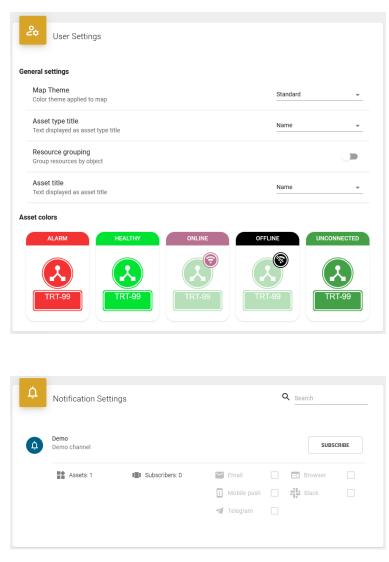
User settings

8	
Name	
Stephan	
C Last name	
Andeweg	
Email	
stephan.andeweg@any-ware.nl	
C Language	
English	
English	
Dutch	
French	
GO BACK	SAVE

Click SAVE to commit the changes.



Also the user and/or notification settings can be changed by selecting "Settings":



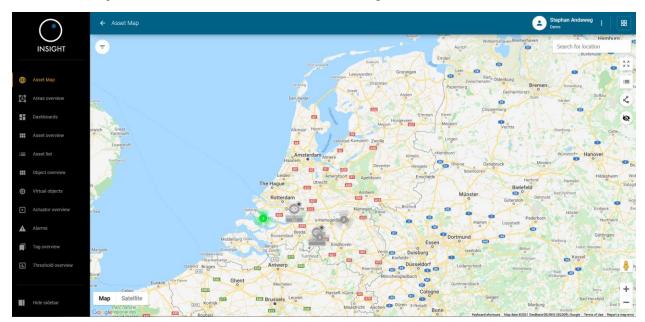
The above default settings are defined in Provisioning.



2 Menu items

2.1 Asset Map

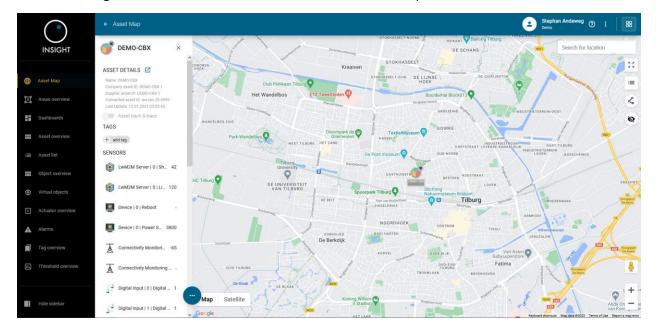
The **Asset Map** menu item shows assets in a certain region:



When clicking on the filter icon (=) the displayed assets can be filtered:







When clicking on an asset more details are shown, for example:

When clicking on ASSET DETAILS, detailed information of the selected asset will be displayed:

		← Asset details	Stephan Andeweg 👁 : 🛙 🖽
	INSIGHT	DEMO-CBX OFTUNE DEMO-CBX	:
\oplus		CONNECTED ASSET INFO ATTRIBUTES SENSORS ALARM ALARM DETAILS	THRESHOLDS HISTORY
A		Asset details Tags	Papendrecht Stedenth Uuren S.MIN THOUR 24 HOURS 1 WEEK 1 MONTH
	Dashboards	Asset deviations larges Asset (Deviation 20.9999 Asset (Deviation 20.999 As	Research Werkendam Wat Kenden
:::		Company asset ID: DEMO-GIX-1 Customer: Demo Customer	Strijen Nationaal Park Wikern Head Ges Care Strijen Strije
		Bupplier: Demo Bupplier Supplier asset 10 D-DEMO-CBX-1 Last gudier: 13.07.2021 03.03.45	Lands 1989 Rasmidorkneet ET Washet Drunn 5 Hertoperbotch
	Object overview	Location Lattuck: 51.564348349404282 Longstuck: 50.7555214539217	Zwindert Land Kastshevel Loonse en Zwenbergen Oostnhout Dongen Duinen wet Sint Michelsgestel 103
٥	Virtual objects	Althude In/a	entropy and a schurdel (vershell serbotch Efter-Lear Transmission (Contervia) (Contervia
Þ	Actuator overview		Brede Barrel Sont Geberrode Sing
A	Alarms		Appen / Iniversited Display Bail
		No files attached	Zundert Baarle (1888au
ıl.	Threshold overview	DOA	Wushrezel Hoopstrater
			Bitcht
	Hide sidebar		AG or gle



Menu item	Description
Asset info	Detailed information of the asset and location
Attributes	A list of all attributes of the asset via the asset details
Sensors	Historical sensor data can be visualized via graphs or bar
	charts with different aggregation types
Alarm	A list of alarms of the asset
Alarm details	Historical details of an alarm which can be selected on the left side
Thresholds	A list of thresholds which are used to generate
	alarms/notifications
Tickets	A list of tickets of the asset
History	Shows the history of the asset

It's possible to add a tag which can be useful when filtering within overviews.

Via menu item **Asset list** the same detailed information page will be shown.



2.2 Areas overview

The **Areas overview** menu item shows all customized areas which have been created, for example:

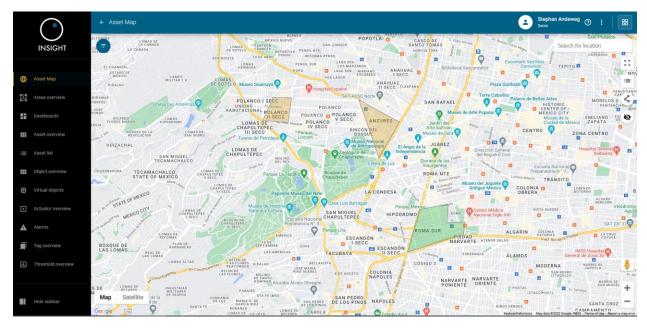
	← Areas overview			Stephan Andeweg ⑦	: ==
INSIGHT	Ŧ			Rows per page: ★ 1−3 of 3	$\langle \rangle$
Asset Map	Anzures and Polanco II Secc :	Office heesch :	Roma Sur :		
Areas overview	POLANCO L/SEUC	· · · · · · · · · · · · · · · · · · ·	Bosque de Chapultege ROMA NTE. Chapultege LA CONDESA		
Dashboards	Museo Nacional California De Indepen	Cerestaan +	TACUBAYA		
Asset overview	ROMA NTI ROMA NTI ROMA NTI ROMA NTI	Goo Rabourd shortours Map data 62022 Terms of Use Report a map error	COLONIA NAPOLES NARVARTE Reports map data 02022 Mibble Termis of Use Reports map emp		
i Asset list	🗱 Assets: 0 🔺 Alarms: 0	Assets: 2 🛦 Alarms: 0	😫 Assets 0 🔺 Alarms 0		
Object overview					
Virtual objects					
Actuator overview					
Alarms					
Tag overview					
II. Threshold overview					
Hide sidebar					

When selecting an area or area title, the area map will be opened and it will show the selected area in more detail.

When hovering over an area and by clicking on for one or more areas, they can be shown together on the area map.



By clicking on the 🔟 icon, the asset map will be shown and the selected areas are visible, for example:



2.2.1 Creating an area

In the asset map an area can be created by clicking the following icon on the right side: \leq

More areas can be created (and will be considered as one single area) by clicking the following icon on the center top: +

If an area should be removed then this can be done by clicking the following icon on the center top: $\overline{\Box}$

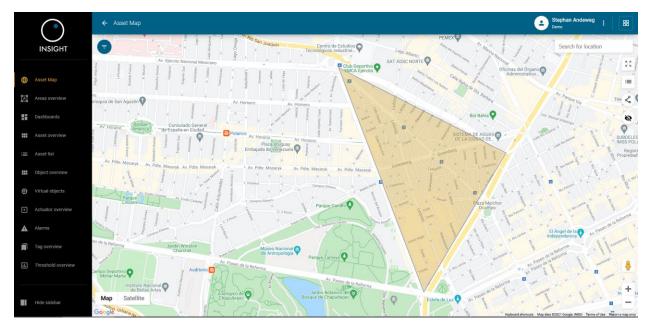
After drawing one or multiple areas it must be saved by clicking the following icon on the center top: ✓



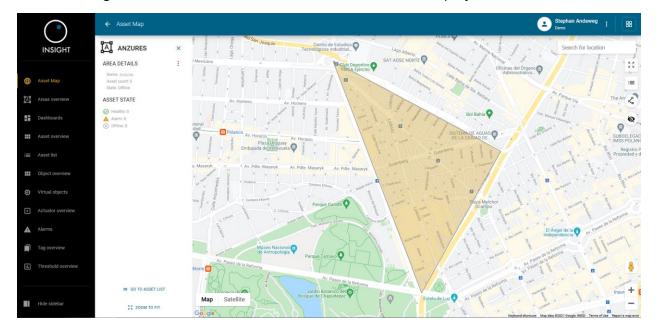
A name must be entered to create the area:



The area is now visible in the asset map:







When clicking on the area, more detailed area information is displayed:

It shows area details and the state of the asset(s) inside the area.

It's also possible to edit or remove the selected area (🚦) as well as going to the asset list at the bottom.



2.3 Dashboards

	← My Second Dashboard		👁 🏾 主 Stephan Andeweg 💿 : 🛛 🔢
INSIGHT	Time	Map : Rail Temperature Monitor	Temperature / Humidity
Asset map	00:57:50	Het Wannecos: Textel/Maseuro ace voors textel/ Amarant Ultiversity Tilburg Bossen en 1	Aggregation: mean 50 g 22 5 g 0
Dashboards	د	Doiserer De Berdyk was Falma Too husike Steam ETZ Elasbeth 9 m Too market TZ Stabeth 9 m	Jun'22 Sep'22 Nev'22 Jun'23 Mar'23 Mar'23 Mar'23 Sep'22 Jun'23 Jun'23 Jun'23 Jun'23 Jun'23 Jun'23 Jun'24 Ju
Asset overview		Con-gle Reptons advantum Using data 82223 Terms of User Report a maje over	Machine Monitor - undefined Machine Monitor - undefined
Object overview Virtual objects			
Actuator overview Alarms			
Tag overview			
Hide sidebar			000

The **Dashboards** menu item shows the available dashboards:

2.3.1 Creating a dashboard

To create a new dashboard click on the + icon on the lower right corner:

Add dashboard

Name *	
My Second Dashboard	
19/255	
CANCEL ADD	
Define a name for the dashboard and click ADD	
When clicking on the 쫕 icon, a background and	d/or font color can be selected.
When clicking on the 🙆 icon, a dashboard icon	can be uploaded.

2.3.2 Widgets

For each widget it's possible to edit or remove it by clicking the icon. It's also possible for some widgets to show the widget in full screen or to see more details.

To add a new widget click on the + icon on the lower right corner. The following window will be displayed:

ALL	oO ASSET DATA	oO ASSET STATE	CONDITIONAL	SENSOR VALUES	IL ASSET	STATE ·
		•				•
Sensors						
	d I	χ	F			Market Contraction of the second seco
Bar	chart	Chart		Gauge solid		Gauge radial
Vidgets to displa of certain resour assets in bar cha	oo or oor or ar	Widgets to display sensor of certain resource of seve assets in chart.	eral of cert	ts to display sensor va tain resource of certain in gauge.	n of ce	ets to display sensor values rtain resource of certain in radial gauge.
53.	06			G		
Nun	nber	Alarm		Мар		
Vidgets to displa f certain resour sset as a numb		Widget to display several a alarms in the table.	assets Widge the ma	rt to display assets sta ap.	te on	

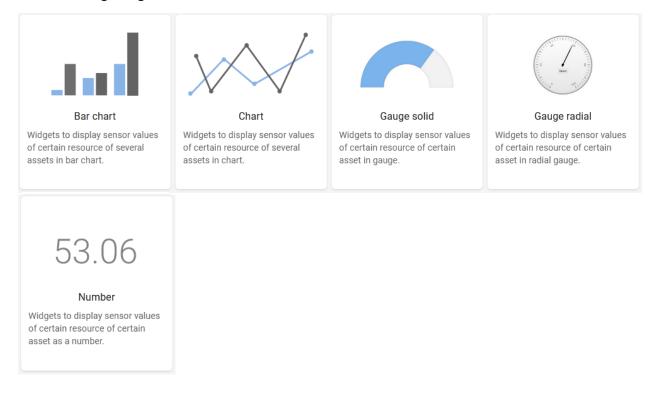
CANCEL

The tab ALL will show all available widget variants to choose from. The following chapters will describe each tab in more detail.



2.3.3 Asset data (sensors)

The following widget variants are available:



When selecting for example **Number**, the *Add widget* window will appear:

Add widget

ASSETS	CONDITION	PREVIEW		
Use filtering to se	elect one or more asset	s		
			^	
Assets		Ŧ		
Asset types		Ψ		
Tags		~		.
1493				There is no data to show
Customers		Ŧ		
Suppliers		Ψ		
Areas		Ŧ	~	
	× CLEAR ALL FILTERS			0-0 of 0 < >
				CANCEL SAVE

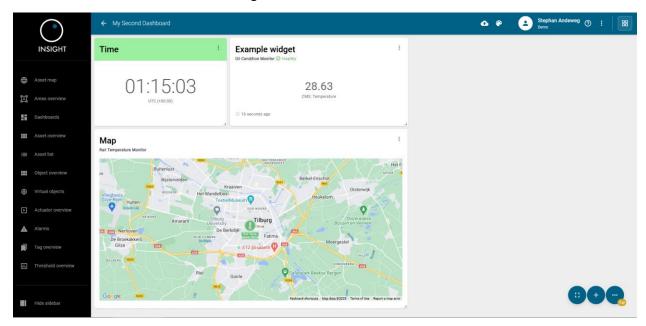


A filter must be configured in tab ASSETS.

A condition must be configured in tab CONDITION.

A title must be set and a preview will be shown in tab PREVIEW.

Click SAVE to create the sensor widget and show on the dashboard:



2.3.4 Asset state (sensors)

 Alarm
 Map

 Widget to display several assets alarms in the table.
 Widget to display assets state on the map.

The following widget variants are available:

When selecting for example **Map**, the *Add widget* window will appear:

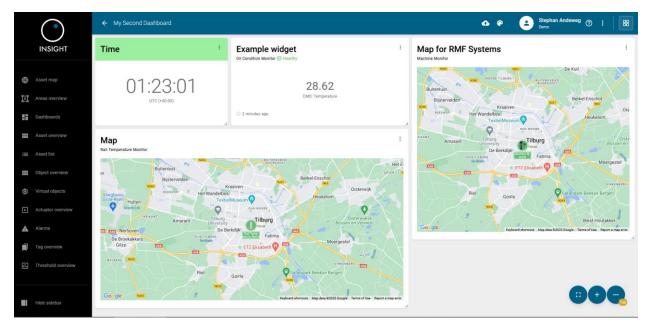


se filtering to select one or more assets	^			
4		*	Brick Molding Machine	
Assets		P	Construction Sign	
Asset types	•	*	Doll Painter	
Tags	.	80	Factory Radio - Lego Edition	
			John's Lego Factory	
Customers	*	6	Lego Cart	
Suppliers	Ŧ	5	Lego Transporter	
		I .	Machine Monitor	
Areas	· ·	T.		
× CLEAR ALL FILTERS			1–12 of 14 < >	

A filter must be configured in tab ASSETS.

A title must be set and a preview will be shown in tab PREVIEW.

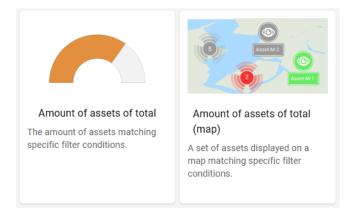
Click SAVE to create the sensor widget and show on the dashboard:





2.3.5 Conditional (statistics)

The following widget variants are available:



When selecting for example **Amount of assets of total (map)**, the *Add widget* window will appear:

Jse filtering to select o		oto			
ise milening to select o	ne or more ass	ets			
Assets		, ,	` 	Brick Molding Machine	^
Assets			•	Construction Sign	
Asset types		•	*	Doll Painter	
Tags			80	Factory Radio - Lego Edition	
			()	John's Lego Factory	
Customers			5	Lego Cart	
Suppliers		-	5	Lego Transporter	
			₽ ,	Machine Monitor	
Areas		Ψ.,			~
×	CLEAR ALL FILTERS	3		1-12 of 14 < >	

A filter must be configured in tab ASSETS.

A condition must be configured in tab CONDITION.

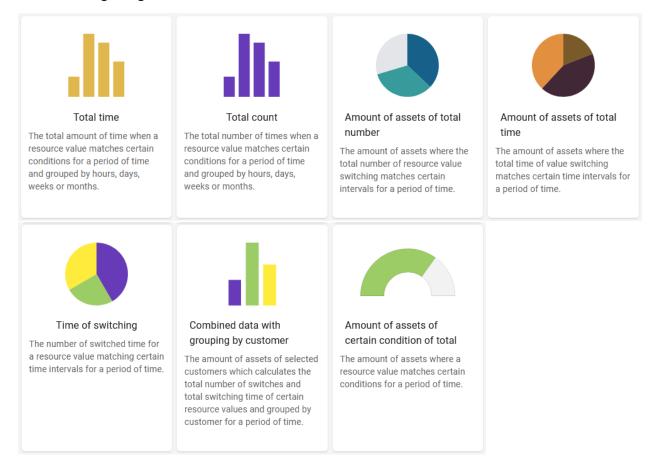
A title must be set and a preview will be shown in tab PREVIEW.

Click SAVE to create the statistics widget and show on the dashboard.



2.3.6 Sensor values (statistics)

The following widget variants are available:



When selecting a variant, the Add widget window will appear as described in Chapter 2.3.3.

A filter must be configured in tab ASSETS.

A condition must be configured in tab CONDITION.

A title must be set and a preview will be shown in tab PREVIEW.

Click SAVE to create the statistics widget and show on the dashboard.



2.3.7 Asset state (statistics)

Image: Amount of online assets of totalImage: Amount of online assets of total per areaThe amount and percentage of online assets for a period of time.Image: Amount of online assets of total per areaThe amount and percentage of online assets for a period of time.Image: Amount of online assets of total per area

The following widget variants are available:

When selecting a variant, the *Add widget* window will appear as described in Chapter 2.3.3.

A filter must be configured in tab ASSETS.

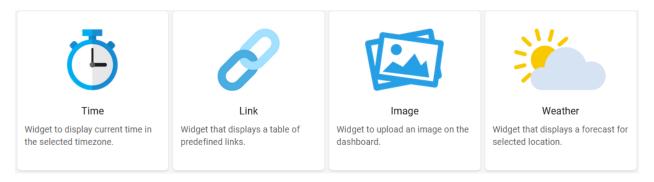
A condition must be configured in tab CONDITION.

A title must be set and a preview will be shown in tab PREVIEW.

Click SAVE to create the statistics widget and show on the dashboard.



2.3.8 Miscellaneous



The following widget variants are available:

When selecting a variant, the *Add widget* window will appear.

A value must be configured in tab VALUES.

A title must be set and a preview will be shown in tab PREVIEW.

When **Image** is selected, a file needs to be uploaded.

When **Weather** is selected, a location must be chosen.

Click SAVE to create the widget and show on the dashboard.

2.3.9 Editing a dashboard

To edit a dashboard click on the icon on the upper right corner and click Edit:

Edit dashboard

Name*		
My Second Dashboard		
19/255		
Share within your company		
Share with customers		
	CANCEL	SAVE

The dashboard name can be changed and as well the dashboard can be shared within the company or with customers.

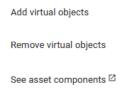


2.4 Asset overview

	← Asset overview		Stephan Andeweg : BB
INSIGHT	Ŧ		Rows per page: 12 👻 1-12 of 14 < 🕻 🖌
Asset Map	📦 свх :	Rombo III	И В В В В В В В В В В В В В В В В В В В
Areas overview	Assets: 1 Alarms: 0 Add tag	Assets: 1 A Atoms: 0 Assets: 1 Adams: 0 Assets: 1 Adams: 0	Assets: 1 🔺 Alarms: 0
Dashboards	L Cube	CRM :	Relay Room :
Asset overview	🗱 Assets: 2 🔺 Alarms: 0	🗱 Assets: 1 🔺 Alarma: 0	🗱 Intellipble Assets: 1 🔺 Alarma: 0
I Asset list	🗊 (+) add tag	🖬 (+) add tag	add tag
Virtual objects	Switch :	Main Gate :	HQ office :
Actuator overview	It Intelligible Assets: 1 Alarms: 0	It intellipbie Assets: 1 🔺 Alarms: 0	It intelligble Assets: 1 🔺 Alarms: 0
Alarms	Brewery Kettle 1	Distiller	Smart CoolBox
Tag overview	Structure of Assets: 3 Alarms: 0	III Intelligible Assets: 1 🔺 Alarms: 0	Assets: 1 ▲ Alarma: 0 II ← add tag
Hide sidebar			

The **Asset overview** menu item gives an overview of all available asset types:

When clicking on it's possible to add or remove virtual objects (see Chapter 2.7 for virtual object creation) and see the asset components in Digital Warehousing:





When clicking on an asset type, it will show the asset type details for the selected asset type, for example:

		← Asset type	details								Stephan An Demo	^{leweg} ⑦		88
	INSIGHT	CBX connected	ed		_	INFO	SENSORS	ATTRIBUTES	ALARMS	THRESHOLDS	TICKETS	HISTO	RY	:
	Asset Map Areas overview Dashboards Asset overview Asset list	Name: Asset part ID: Supplier: Data type: Protocol: Offline time: Assets count:	CBX CBX DemoSupplier connected LwW2M 1d	Asset state O Alarm Thresholds	O Healthy	2				*			huisring Gasthuisring	a +
	Object overview	Tags: Description:	+ add tag	Asset type		Asset	Google			K	eyboard shortouts Map da		20	a map error
	Virtual objects			Sensors	0	Open tickets								
Þ	Actuator overview			24		4				_				
A	Alarms Tag overview			Objects		Tickets				No files attached				
	Threshold overview			Alarms						ADD				
				0	10	0								
	Hide sidebar		OPEN ASSET LIST	Active	Inactive	e Ceased								

Menu item	Description
Info	Detailed information of the asset type and locations
Sensors	Historical sensor data can be visualized via graphs or bar
	charts with different aggregation types
Attributes A list of all attributes of the asset via the asset details	
Alarms	A list of alarms of the asset type
Thresholds	A list of thresholds which are used to generate
	alarms/notifications
Tickets	A list of tickets of the asset type
History Shows the history of the asset type	

To go to Provisioning, click on the 🚦 icon on the top right corner

To go to the asset list, filtered for this particular asset type, click on **OPEN ASSET LIST**



When clicking on SENSORS it will show a list of (virtual) objects and object description, for example:

	← Asset type details	← Asset type details Stephan Andeweg ⑦ : BB										
INSIGHT	CBX connected		INFO SENSORS ATTRIBUTES ALARMS THRESHOLDS TICKETS HISTORY									
	Expand all	Object ID	Description									
Asset Map	LwM2M Server Instances:1	1	This LwM2M Objects provides the data related to a LwM2M Server. A Bootstrap-Server has no such an Object Instance associated to it.									
Dashboards	Device Instances. 1	3	This LWM2M Object provides a range of device related information which can be queried by the LWM2M Server, and a device reboot and factory reset function.									
Asset overview	Connectivity Monitoring	4	This LWM2M Object enables monitoring of parameters related to network connectivity. In this general connectivity Object, the Resources are limited to the most general cases common to most network bearers. It is recommended to read the description, which refers to relevant Read more									
Dbject overview	Location Instances 1	6	This LwhZM Object provides a range of location telemetry related information which can be queried by the LwhZM Server.									
Vírtual objects	Digital Input Instances 8	3200	Genetic digital input for non-specific sensors									
Actuator overview Alarms	• Illuminance	3301	Illuminance sensor, example units = lx									
Tag overview	Temperature	3303	This IPSO object should be used with a temperature sensor to report a temperature measurement. It also provides resources for minimum/maximum measured values and the minimum/maximum range that can be measured by the temperature sensor. An example Read more									
Threshold overview	Humidity	3304	This IPSO object should be used with a humidity sensor to report a humidity measurement. It also provides resources for minimum/maximum measured values and the minimum/maximum range that can be measured by the humidity sensor. An example measurement unit is relative Read more									
Hide sidebar	Actuation	3306	This IPSO object is dedicated to remote actuation such as ON/OFF action or dimming. A multi-state output can also be described as a string. This is used if to sand raids using orders for instance. If sales strengther are accurate to safet that time that the dialice has been examined on									

When clicking on ATTRIBUTES it will show the list of attributes for the particular asset, for example:

	\bigcirc	← Asset type details								Stephan Andewe	^g @ :	88
	INSIGHT	CBX connected			INFO	SENSORS	ATTRIBUTES	ALARMS	THRESHOLDS	S TICKETS	HISTORY	:
ŧ	Asset Map			Attribute value		a	L Asset		م	Rows per page: 10 👻	1-1 of 1 <	2
M		Asset	Enclosure color			ICCID			Material type			
	Dashboards	DEMO-CBX										
	Asset overview											
	Asset list											
	Object overview Virtual objects											
	Actuator overview											
A	Alarms											
	Tag overview											
	Threshold overview											
	Hide sidebar											•



When clicking on ALARMS it will show alarm details, see for more details Chapter 2.9.

When clicking on THRESHOLDS it will show the configured thresholds which are used to generate alarms, create a service ticket, send notifications and/or execute an actuator.

By clicking the 🖊 icon on the lower right side, it's possible to set a threshold, for example:

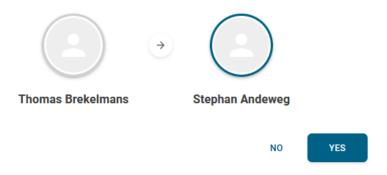
Set threshold				Set threshold			
Attribute Service Date	.	Raise alarm		Resource Illuminance 0 Sensor Value	-	Raise alarm	
Type ↓ BELOW	~	Create service ticket		Type ↓ BELOW	•	Create service ticket	
Value Actual date	Actual 🔽 ×	Execute actuator		Value 60		Notify via channel	
Offset 10	days	Notify via channel		Occurrence type Value		Execute actuator	
		CANCEL	ADD			CANCEL	ADD

Click ADD to save the threshold.

By selecting the check box \checkmark on the left side of the threshold, it's possible to edit an existing threshold by clicking the \checkmark icon on the lower right side. If the threshold was created by another user, the following warning will be displayed:

Reassign threshold

Threshold was created by **Thomas Brekelmans** Would you like to edit the threshold?



Click YES to continue to edit the threshold:



Edit threshold				Edit threshold	
Attribute Service Date Type V BELOW	•	Raise alarm Create service ticket	•	Resource Temperature 0 Sensor Value ↓ Type ↑ ABOVE ↓	Raise alarm Create service ticket
	tte 🗸 × days	Execute actuator Notify via channel Notification channels * Demo	•••	Value 20 Occurrence type Value Image: Counts - 1 State: active	Notify via channel Notification channels * Info channel - Demo Cust Execute actuator
Override alarm message		CANCEL	SAVE		CANCEL SAVE

Click SAVE to commit the changes.

When clicking on TICKETS it will show an overview of all tickets for the selected asset type, for example:

	← Asset type details					Stephan Andeweg	@ : #
INSIGHT	CBX connected		INFO	SENSORS ATTRIBUTES	ALARMS THRE	SHOLDS TICKETS	HISTORY
Asset Map	Asset	(Ticket name / reference	Q Open tickets	Priority	■ Rows per page: 10 ▼	1-4 of 4 < >
Areas overview	Asset 🛧	Reference	Title	Status	Priority	Create date	
Dashboards	DEMO-CBX	1520210016	Check Error in CBX	On hold	Low	13.04.2021	
Asset overview	DEMO-CBX	1820210031	ALARM: DEMO-CBX	Analyse	Medium	04.05.2021	
:= Asset list	DEMO-CBX	2020210033	ALARM: DEMO-CBX	Analyse	Medium	19.05.2021	
Object overview	DEMO-CBX	4120221752	test2	In progress	Medium	12.10.2022	
Uirtual objects							
Actuator overview							
Alarms							
Tag overview							
II. Threshold overview							
Hide sidebar							



	\bigcirc	← Asset typ	e details				Stephan Ande Demo	^{weg} ⑦ : 🛛 🎛
	INSIGHT	CBX connect	ted INFO	SENSORS	ATTRIBUTES	ALARMS	THRESHOLDS TICKETS	HISTORY
6	Asset Map		Assets Q Date from	Date to)	Event type All	Rows per page: 10 +	1-8 of 8 < >
	Areas overview	Asset	Event name		Event type	Application	Date time \downarrow U	lser
	Dashboards	DEMO-CBX	Ticket status was updated test2 (4120221752) from Analysis to In progress		Ticket	Field Service Management	12.10.2022 04:40:12	Aark Damen
	Asset overview	DEMO-CBX	Ticket status was updated test2 (4120221752) from Unhandled to Analysis		Ticket	Field Service Management	12.10.2022 04:39:46	🚊 Mark Damen
=	Asset list	DEMO-CBX	Ticket was created test2 (4120221752)		Ticket	Field Service Management	12.10.2022 04:39:42	Mark Damen
	Object overview	DEMO-CBX	Ticket was cancelled Test ticket (3920221381)		Ticket	Field Service Management	26.09.2022 19:39:07	Stephan Andeweg
0	Virtual objects	DEMO-CBX	Ticket status was updated Test ticket (3920221381) from Unhandled to Analysis		Ticket	Field Service Management	26.09.2022 19:37:30	Stephan Andeweg
►	Actuator overview	DEMO-CBX	Ticket was created Test ticket (3920221381)		Ticket	Field Service Management	26.09.2022 19:36:54	Stephan Andeweg
	Alarms	DEMO-CBX	Asset status changed from Alarm to Offline		Status	Insight	14.07.2021 03:03:45	System
	Tag overview Threshold overview	DEMO-CBX	Location was changed from Gasthuisring, 5, Tilburg, Nederland to Gasthuisring, 5, Tilburg, Nederla	and	Location	Provisioning service	01.07.2021 06:34:16	AnyWare
	Hide sidebar							

When clicking on HISTORY it will show an overview of the asset type, for example:

The list can be filtered on the top of the screen by using the following fields:

				_
Assets Q	Date from	Date to	All	Ŧ
			Event type	



2.5 Asset list

	← Asset list						Steph Demo	an Andeweg : 🔠
INSIGHT	Ŧ					R	ows per page: 10 👻 1-10 of	19 < > 🌣
						Location		^
Asset Map	_ - S	tate Name 个	Asset type	Last update	Tags	Latitude	Longitude	
Areas overview		Arcobel	Office	n/a	+	51.73456489	5.51032086	>
Dashboards	•	ATDevice	AcceloTemp	19.05.2021 07:25:19	+	51.49639740	5.22131123	>
:= Asset list		Avans Cube	Cube	03.06.2021 08:04:12	+	51.56434000	5.07750600	>
Object overview			Office	n/a	+	51.73481239	5.51026619	>
Virtual objects		crm_test_02	AcceloTemp	12.10.2021 05:41:07	+	51.56433000	5.07749100	>
Actuator overview		ремо-свх	CBX	13.07.2021 03:03:45	+	51.56434835	5.07755021	>
Alarms		DEMO-COOLSYSTEM	Smart CoolBox	04.11.2021 14:30:24	+	51.44441311	5.69541593	>
II. Threshold overview			CRM	12.10.2021 05:41:06	+	51.80914253	4.68892065	>
		Демо-сиве	Cube	20.05.2021 02:05:59	+	52.09049530	23.69069782	>
Hide sidebar		DEMO-DIMO	DIMO	06.07.2021 04:37:34	+	51.56434000	5.07750600	> ~

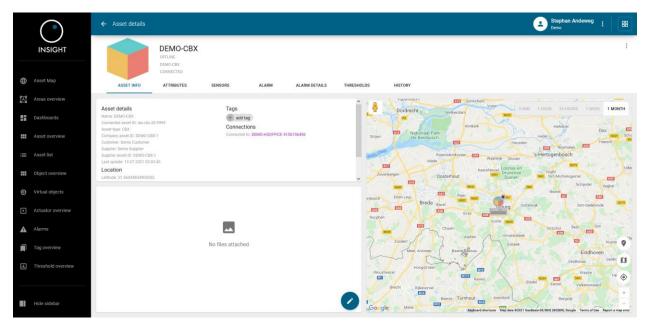
The **Asset list** menu item gives an overview of all available assets:

Menu item	Description
State	Shows the state of the asset, for example healthy or offline
Name Shows the asset name	
Asset type	Shows the type of the asset
Last update	Shows date and time the asset sent data for the last time
Tags	Shows which tags the asset has
Latitude	Shows the latitude of the asset
Longitude	Shows the longitude of the asset

With the 🏟 icon the column headers can be adjusted.



When clicking on an asset, detailed information of the selected asset will be displayed in ASSET INFO:



Menu item	Description	
Asset info	Detailed information of the asset and location	
Attributes	A list of all attributes of the asset via the asset details	
Sensors	Historical sensor data can be visualized via graphs or bar	
	charts with different aggregation types	
Alarm	A list of alarms of the asset	
Alarm details	Historical details of an alarm which can be selected on the	
	left side	
Thresholds	A list of thresholds which are used to generate	
	alarms/notifications	
Tickets	A list of tickets of the asset	
History	Shows the history of the asset	

It's possible to add a tag which can be useful when filtering within overviews.



	← Asset details				Stephan Andeweg : III
INSIGHT	DEMO- OFFLINE DEMO-CBX CONNECTED				:
	ASSET INFO ATTRIBUT	ES SENSORS ALARM	ALARM DETAILS THREE	HOLDS HISTORY	
Areas overview	Name	Туре	Value	Last update	Description
Asset overview	Material type	Text	-	13.04.2021	-
:= Asset list	ICCID	Number	-	13.04.2021	-
Object overview	Enclosure color	Text		13.04.2021	-
Virtual objects	Contract startdate	Date	10.04.2021	13.04.2021	-
Actuator overview	Contract code	Text	12345646	13.04.2021	-
Alarms Tag overview	last invoice code	Text	4545646465	13.04.2021	-
Threshold overview					
Hide sidebar					

When clicking on ATTRIBUTES it will show the attributes for the asset, for example:

Note: When an asset is in alarm state, the following icon is shown for the affected attribute: 🔺

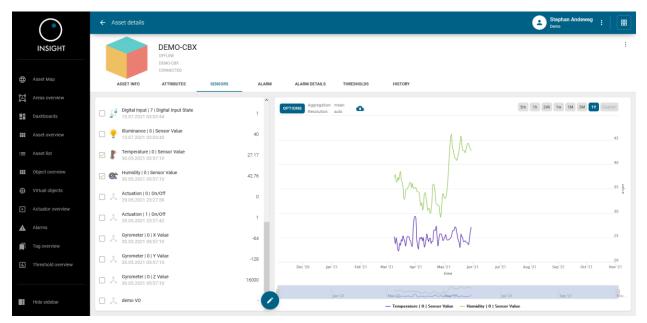
	← Asset details	Stephan Andeweg :
INSIGHT	DEMO-CBX O'FURE DIMO CBX DIMO CBX	:
🜐 Asset Map	ASSET INFO ATTRIBUTES SENSORS ALARM ALARM DETAILS THRESHOLDS HISTORY	
Areas overview	Digital Input 6 Digital Input State	5m 1h 24h 1w 1M 3M 1Y Custom
Dashboards	13.07.2021 03.03.41 Resolution: auto	
Asset overview	Digital Input 17 Digital Input State 1	29
:= Asset list	Illuminance [0] Sensor Value 40	28
Object overview	Temperature 0 Sensor Value 27.17 30.05.2021 05.57.10 27.17	27
: Virtual objects	Kumidity 10 Jensor Value 42.76	26 8 25
Actuator overview	C Actuation 10 10 / 00/0ff 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -	24
Alarms	Actuation [1] 00/00ff 1	23
Tag overview	C X 6005.2021 05.57:1064	22
th. Threshold overview	Optimeter 191Y Value Optimeter	Aug 21 Sep 21 Oct 21 Nov 21
Hide sidebar	□ → Syconeter [9] Z Value 1600 1657:10 1677:1007:100000000000000000000000000000	1 Sep '21 Roy
Filde sidebar	- Temperature 0 Sensor Value	

When clicking on SENSORS it will show historical sensor data, for example Temperature:

The time frame can be adjusted to the user's wishes. Also, the data can be downloaded by clicking the 🜑 icon.



Multiple sensors can be selected and shown in the same graph, for example Temperate and Humidity:



When clicking on ALARM or ALARM DETAILS it will show (historical) alarm details, see for more details Chapter 2.9.



When clicking on THRESHOLDS it will show the configured thresholds which are used to generate alarms, create a service ticket, send notifications and/or execute an actuator.

By clicking the 🗹 icon on the lower right side, it's possible to set a threshold, for example:

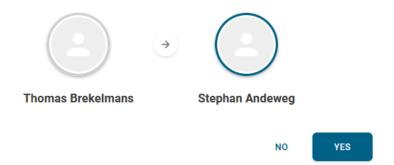
Set threshold				Set threshold			
Attribute Service Date	*	Raise alarm		Resource Illuminance 0 Sensor Value	•	Raise alarm	
Type ↓ BELOW		Create service ticket		Type ↓ BELOW	*	Create service ticket	
Value Actual date Offset 10	Actual 🗸 × date days	Execute actuator Notify via channel		Value 60 Occurrence type Value		Notify via channel Execute actuator	
		CANCEL	ADD	E Counts 1		CANCEL	ADD

Click ADD to save the threshold.

By selecting the check box \checkmark on the left side of the threshold, it's possible to edit an existing threshold by clicking the \checkmark icon on the lower right side. If the threshold was created by another user, the following warning will be displayed:

Reassign threshold

Threshold was created by **Thomas Brekelmans** Would you like to edit the threshold?



Click YES to continue to edit the threshold:



Edit threshold				Edit threshold	
	ctual 🗸 × ate days	Raise alarm Create service ticket Execute actuator Notify via channel Notification channels *		Resource Temperature 0 Sensor Value ↓ Type ↑ ABOVE ↓ Value 20 Occurrence type Value	Raise alarm Create service ticket Create service ticket Notify via channel Notification channels * Info channel - Demo Cust
State: active		Demo	× •	E Counts 1 State: active	Execute actuator
Override alarm message					CANCEL SAVE
		CANCEL	SAVE		

Click SAVE to commit the changes.

By selecting one or multiple assets in the asset list, it is possible to show them directly in the asset map by clicking on the 🔟 icon on the top:

	← Asset list	t						Stephan Andeweg 🕜	: ==
INSIGHT	Ŧ						Rows per page: 10 👻	1-10 of 24 <	> ¢
							Location		^
Asset Map		State	Name 1	Asset type	Last update	Tags	Latitude	Longitude	- 1
រុំភ្លៃ Areas overview		X	Arcobel	Office	n/a	+	51.73456489	5.51032086	>
Dashboards Asset overview		0	Arcobel Meeting Room Co2 Monitor	CO2 Monitor	10.03.2023 15:52:07	Arcobel 🛞 +	51.73460641	5.51034164	>
:≡ Asset list		O	Arcobel Office Space Co2 Monitor	CO2 Monitor	10.03.2023 15:53:23	Arcobel 🚫 +	51.56434000	5.07750600	>
Object overview		0	CoreVision Meeting Room Co2 Monitor	CO2 Monitor	10.03.2023 15:52:29	CoreVision 🛞 +	51.56434000	5.07750600	>
Virtual objects		۲.	Core/Vision	Office	n/a	+	52.09049530	23.69069782	>
Actuator overview		2	Crane-V-Movements-001	Crane 123	n/a	Verhuurd aan LOS 🛞 🕂	51.62018300	4.91961745	>
Alarms		0	DEMO-CBX	CBX	13.07.2021 03:03:45	+	51.56434835	5.07755021	>
II. Threshold overview			DEMO-COOLSYSTEM	Smart CoolBox	10.03.2023 16:03:30	+	51.44441311	5.69541593	>
			DEMO-CRM	CRM	07.02.2022 09:39:40	+	51.80914253	4.68892065	>
Hide sidebar			DEMO-CUBE	Cube	20.05.2021 02:05:59	+	52.09049530	23.69069782	, 👩



2.5.1 Connections and Inventory

When clicking on a different asset with Connection and Inventory information, detailed information of that selected asset will be displayed:

		← Asset details	Stephan Andeweg : BB
	INSIGHT	DEMO-KETTLE DEMO-KETTLE UNCONNECTED	:
\oplus	Asset Map	ASSET INFO ATTRIBUTES SENSORS CONNECTIONS INVENTORY	HISTORY
i∆i		Asset details Tags Name: DEMO-RETILE	Anade SMIN THOUR 24 HOURS TWEEK 1 MONTH
==	Dashboards	Connected asset ID: n/a Asset Type: Devery Kittle 1 Company asset ID: 123645645	Host of Association Associatio Association Association Association Association Association
		Customer: Demo Customer Supplie: Demo Supplier Succient asset 10: 1545445	Titel Massius 23 Notterdam
:=	Asset list	Last update: n/a	Rockarge 900 Spijkernisse Barndrech 20
	Object overview	Laltlude: 51.74896697535803 Longitude: 4.14708414565931	Ouddorp Selection Ouddorp Selection Ouddorp Selection
٥	Virtual objects		
Þ	Actuator overview	_	Renetse Browershaven NeuverTorgo Strien
A	Alarms		Burgh-Haamstede Berg Dude Tonge Brit Willemstad Hollanda
		No files attached	Zeritize transmissi Companya Surt Argument Mark
:.	Threshold overview		Kamperland Note Steinbergen Dudenbosch Elter-Leve
			Vere Voirbaartsduk Veren Voirbaartsduk Veren Roosendiaal Rucphen + /
	Hide sidebar		Sdelburg Dees Kapele Versake Bengen DD BengenD

Menu item	Description	
Asset info	Detailed information of the asset and location	
Attributes	A list of all attributes of the asset via the asset details	
Sensors	Historical sensor data can be visualized via graphs or bar charts with different aggregation types	
Connections	Connect multiple assets	
Inventory	Add inventory to unconnected assets. Mainly intended for cargo and transport	
History	Shows the history of the asset	



2.5.2 Asset State and Connection type

Assets can have the following states and connection types:

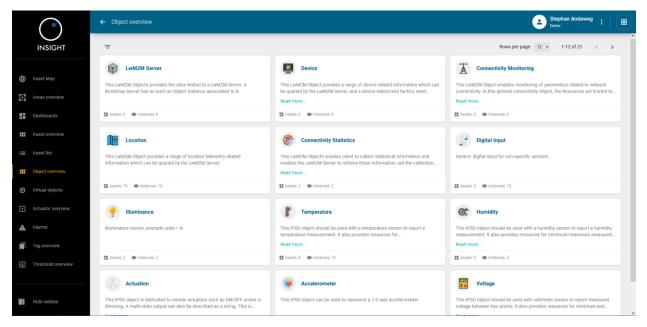
State	
All	•
Alarm state	
All	•
Connection type	^
Connected	
Unconnected	

Intelligible

Menu item	Description	
Online	The asset is in <i>online</i> state	
Offline	The asset is in <i>offline</i> state	
Healthy	The asset is in <i>healthy</i> state (OK)	
Alarm	The asset is in <i>alarm</i> state	
Connected	The asset has a <i>connected</i> connection type; it is able to send	
	data	
Unconnected	The asset has an <i>unconnected</i> connection type; it is not able	
	to send data	
Intelligible	The asset has an <i>intelligible</i> connection type; a <i>connected</i>	
	asset has been linked to an <i>unconnected</i> asset	

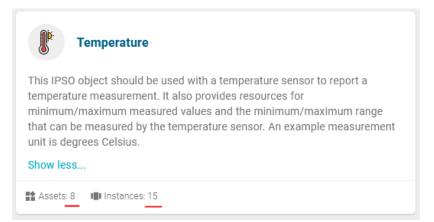


2.6 Object overview



The **Object overview** menu item gives an overview of all available objects:

Each object shows at the bottom of its box the quantity of assets and instances it has, for example temperate:



When clicking on an object it will show the asset list of all assets which have the selected object, for example Temperature:



	\bigcirc	← Asset	list										2	Stephan Ande Demo	weg : 88
	INSIGHT	= 0	ojects: Temper	ature 🚫								Rows per	page: 10 👻	1-8 of 8	\leftrightarrow o
								Temperature (0)							Temperature (1)
∎ E	Asset Map Areas overview	•	State	Name 个	Asset type	Last update	Tags	Min Measured Value	Max Measured Value	Min Range Value	Max Range Value	Reset Min and Max Measured Values	Sensor Value	Sensor Units	Sensor Value
			X	ATDevice	AcceloTemp	19.05.2021 07:25:19	+						20.00		82.00
	Asset overview Asset list		Å	Avans Cube	Cube	03.06.2021 08:04:12	+	n/a	n/a	n/a	n/a	n/a	26.57	n/a	
	Object overview		Å	crm_test_02	AcceloTemp	12.10.2021 05:41:07	+						20.00		-26.00
				DEMO-CBX	CBX	13.07.2021 03:03:45	+								
•	Actuator overview			DEMO- COOLSYSTEM	Smart CoolBox	04.11.2021 17:30:26	+						21.30		20.30
	Tag overview			DEMO-CRM	CRM	12.10.2021 05:41:06	+						20.00		65.00
Ŀ	Threshold overview		Å	DEMO-CUBE	Cube	20.05.2021 02:05:59	+	n/a	n/a	n/a	n/a	n/a	27.23	n/a	
				DEMO- ROMBO	Rombo III	28.06.2021 06:47:08	+						27.63		28.00
	Hide sidebar	٢													>

Menu item	Description
State	Shows the state of the asset, for example healthy or offline
Name	Shows the asset name
Asset type	Shows the type of the asset
Last update	Shows Date and time the asset sent data for the last time
Tags	Shows which tags the asset has
Latitude	Shows the latitude of the asset
Longitude	Shows the longitude of the asset

With the 🔯 icon the column headers can be adjusted.

When clicking on an asset, detailed information of the selected asset will be displayed as described in Chapter 2.4.



2.7 Virtual objects

	← Virtual objects				8	Stephar Demo	n Andeweg	:	
INSIGHT	Ŧ			R	ows per page:	12 👻	1-2 of 2	<	>
Asset Map	demo VO x1-3	:	Fahrenheit (C+1.8)+32 Celcius to Fahrenheit						
<u>মিয়</u> Areas overview	Sets: 1		# Assets: 1						
Dashboards									
Asset overview									
:= Asset list									
Object overview									
(i) Virtual objects									
Actuator overview Alarms									
Alarms									
Threshold overview									
Hide sidebar									+

The **Virtual objects** menu item gives an overview of all virtual objects:

2.7.1 Creating a virtual object

To create a virtual object click on the + sign at the lower right. To create a virtual object which converts degrees Celsius to Fahrenheit, the following can be done:

Main info	Expression and variables		
Name*	Expression *		
Fahrenheit	(C*1.8)+32		
10/32	10/128		
Jnits	Variable C		
Degrees	Vallable o		
7/8	Resource O Virtual object		
escription	Object *	Resource*	Instance
Celcius to Fahrenheit	Temperature	✓ Sensor Value	▼ 0 ²
21/255	Use previous sensor value	Default value	Ŷ

Click SAVE to create the virtual object.



When clicking on it's possible to edit or remove virtual objects and see the asset components:

Edit

Remove

The edit window will enable to make changes to the existing virtual object:

After edit all previous data series will be lost. Use recalculation option to get data.

Main info	Expression and variables		
Name *	Expression *		
Fahrenheit	(C*1.8)+32		
10/32	10/128		
Units	- Variable C		
Degrees			
7/8	Resource Virtual object		
7/8 Description	0	Resource*	Instance
	Resource Virtual object Object* Temperature	Resource* Sensor Value	■ Instance

CANCEL

SAVE



2.8 Actuator overview

	← Actuator overview					Stephan Andeweg : BB
INSIGHT	Ŧ				Rows per pa	ge: 10 👻 1-2 of 2 < >
🕀 Asset Map	□ Name ↑	Asset name	OIR name	Action type	Value	Secure
Areas overview	Demo CBX Relay	DEMO-CBX	Actuation 0 On/Off	write	1	÷
Dashboards	Demo CBX Relay off	DEMO-CBX	Actuation 0 On/Off	write	0	÷
Asset overview						
: Asset list						
Object overview						
i) Virtual objects						
Actuator overview						
Alarms						
Tag overview Threshold overview						
Hide sidebar						0

The **Actuator overview** menu item gives an overview of all actuators:

2.8.1 Creating an actuator

To create an actuator click on the pencil sign at the lower right. To create an actuator to reboot a device, the following can be done:

Create actuator		
Name*		
Create test actuator		
Description		
Create test actuator		
Action type*		
Execute		*
Asset*		
DEMO-CBX		\times \sim
OIR*		
Device 0 Reboot		
	CANCEL	SAVE

Click SAVE to create the actuator.



When clicking on the selection box () in front of the actuator, it's possible to edit or remove it by clicking on the icon at the lower right:

Edit actuator

Remove actuator



2.9 Alarms

	← Alarms								Ŀ	Stephan Andeweg Demo	
INSIGHT	Ŧ							Rows	per page: 10	• 1-10 of 22 <	>
🜐 Asset Map		Status	Asset Name	Asset Type	Category	Resource	Description	Value	Туре	Start Date	End Da
Areas overview		Inactive	DEMO-CBX	CBX	Sensor value	Temperature 0 Sensor Value	Value 25.00 exceeded maximum set threshold 20	25.00	Asset	22.03.2021 10:09:25	22.03.;
Dashboards		Inactive	DEMO-CBX	CBX	Sensor value	Temperature 0 Sensor Value	Value 30.02 exceeded maximum set threshold 30	30.02	Asset	31.03.2021 06:42:38	31.03.;
Asset overview		Inactive	DEMO-CBX	CBX	Sensor value	Temperature 0 Sensor Value	Value 30.02 exceeded maximum set threshold 30	30.02	Asset	01.04.2021 02:12:23	01.04.:
:= Asset list		Inactive	DEMO-CBX	CBX	Sensor value	Temperature 0 Sensor Value	Value 30.15 exceeded maximum set threshold 30	30.15	Asset	13.04.2021 03:48:30	13.04.:
Object overview		Inactive	DEMO-CBX	CBX	Sensor value	Temperature 0 Sensor Value	Value 30.46 exceeded maximum set threshold 30	30.46	Asset	16.04.2021 04:06:08	16.04.:
🔅 Virtual objects		Inactive	DEMO-CBX	CBX	Sensor value	Temperature 0 Sensor Value	Value 30.19 exceeded maximum set threshold 30	30.19	Asset	22.04.2021 03:44:26	22.04.:
Actuator overview		Inactive	DEMO-CBX	CBX	Sensor value	Temperature 0 Sensor Value	Value 30.09 exceeded maximum set threshold 30	30.09	Asset	26.04.2021 03:38:36	26.04.:
Alarms		Inactive	DEMO-CBX	CBX	Sensor value	Temperature 0 Sensor Value	Value 30.52 exceeded maximum set threshold 30	30.52	Asset	27.04.2021 03:46:27	27.04.:
Threshold overview		Inactive	DEMO-CBX	CBX	Sensor value	Temperature 0 Sensor Value	Value 24.46 exceeded maximum set threshold 20	24.46	Asset	04.05.2021 02:56:49	18.05.:
		Inactive	ATDevice	AcceloTemp	Sensor value	Temperature 0 Sensor Value	Value 3.00 exceeded minimum set threshold 40	3.00	Asset	12.05.2021 18:42:27	12.05.:
Hide sidebar	¢										>

The **Alarms** menu item gives an overview of all alarms:

Menu item	Description			
Status	Shows the status of the alarm, for example active or inactive			
Asset Name	Shows the asset name for the alarm			
Asset type	Shows the type of the asset for the alarm			
Category	Shows the category for the alarm			
Resource	Shows which resource has the alarm			
Description	Shows the description for the alarm			
Value	Shows the alarm value			
Туре	Shows the type of the alarm			
Start Date	Shows the start date for the alarm			
End Date	Shows the end date for the alarm			

When clicking on the icon on the left side, it will show the sensors on the asset details page for the selected asset, see Chapter 2.4.



2.10 Tag overview

	← Tag overview				Stephan Andeweg @ : EB
INSIGHT	Ŧ				Rows per page: 12 💌 1–3 of 3 < >
Asset map	Cellular Devices	: Floor 1	Elioor 2	:	
Areas overview	Alerms: 0 🇱 Assets: 5	Alerms: 0 🗱 Assets: 1	Alerms: 0 🗱 Assets: 1		
Dashboards					
Asset overview					
I Asset list					
 Object overview Wirtual objects 					
Actuator overview					
Alarms					
Tag overview					
II. Threshold overview					
Hide sidebar					•

The **Tag overview** menu item gives an overview of all defined tags:

When clicking on a tag, by default it will display the INFO tab and shows all assets which have that tag defined and details such as open tickets, alarms and asset state, for example:

	← Tag details				Stephan Andeweg 📀 : 🖽
INSIGHT	Cellular Devices				INFO ATTRIBUTES ALARMS TICKETS HISTORY
Asset map Asset overview Dashboards	Cellular Devices	Asset state O Alarm	3 Healthy	2 Offline	Figure Control
Asset list	Costoners: AnyWare	Sensors 1	Open ti	ickets 37	Splansse Bandenin Galemanise Splansse Bandenin Galemanise Outs Septimer Outs Septimer Statecht Galemanise Derrohen Bandenin Galemanise Statecht Galemanise Statecht Galemanise Statecht Galemanise Statecht Galemanise Statecht Galemanise Statecht Galemanise Statecht Galemanise Statecht Galemanise Statecht Galemanise
Object overview Virtual objects	Suppliers: AnyWare's Main supplier	Objects Connection type		Tickets	Tregeneries Namandary Street Networks and Tregeneries Namandary Reads
Actuator overview Alarms		5 Connected	O		Kurder Coll Karlen von Statikarie Sonne en Variet Dereisers Dostenbagen Dostenbag von Dunnense en Variet Dunnen Bent Best Die Dereisers Bester
Tag overview Threshold overview		Alarms			Steeborgen Doorsoon Bree Bree Core Coremula Hattern Woow Robertal Rugehin Rubergen
Hide sidebar	OPEN ASSET LIST	O Active	43 Inactive	O	te por se de la construir de l



When clicking on the ATTRIBUTES tab, it will display the asset, asset type and other specific attributes with that tag, for example:

	← Tag details			Stephan Andeweg ⑦ : III
INSIGHT	Cellular Devices		INFO ATTRIBUTES	ALARMS TICKETS HISTORY
Asset map	Asset	× Q Asset type	× Q. Attribute value	\times Q Rows per page: 10 \star 1–2 of 2 $\langle \rangle$ $>$
Areas overview	Asset	Asset type	SIM Number (ICCID)	SIM Provider
Dashboards	Machine Monitor	Osmo 3.0 - RMF Systems	4545646465785	Vodafone
Asset overview	Oil Condition Monitor	NavigateWorkx - RMF Systems	88839299235	T-Mobile
:= Asset list				
Object overview				
Virtual objects				
Actuator overview				
Alarms				
Tag overview				
a., Threshold overview				
Hide sidebar				•

When clicking on the ALARMS tab, it will display the alarm details for assets with that tag, for example:

	← Tag detail	s								Stephan Andewo Demo	⁹⁹ ⑦ : 🛛 🎛
INSIGHT	Cellula	r Devices					INFO	ATTRIBUTES	ALARMS	TICKETS	HISTORY
Asset map			Ast	et	хQ	Asset type	× Q A	erm status	₩ R	tows per page: 10 👻	1-10 of 43 <
Areas overview		Status	Asset	Asset type	Category	Resource	Description	Value	Туре	Start Date	End Date 🛧
Dashboards		Inactive	Machine Monitor	Osmo 3.0 - RMF Systems	Sensor value	Pressure switch	Value 1.00 is equal to threshold 1	1.00	Asset	20.04.2023 07:13:02	24.04.2023 03:19:42
Asset overview		Inactive	Machine Monitor	Osmo 3.0 - RMF Systems	Sensor value	Pressure switch	Value 1.00 is equal to threshold 1	1.00	Asset	20.04.2023 07:03:41	20.04.2023 07:09:58
:= Asset list		Inactive	Machine Monitor	Osmo 3.0 - RMF Systems	Sensor value	Pressure switch	Value 1.00 is equal to threshold 1	1.00	Asset	20.04.2023 06:23:56	20.04.2023 06:25:59
Object overview		Inactive	Machine Monitor	Osmo 3.0 - RMF Systems	Sensor value	Pressure switch	Value 1.00 is equal to threshold 1	1.00	Asset	20.04.2023 05:27:28	20.04.2023 05:51:00
Virtual objects		Inactive	Machine Monitor	Osmo 3.0 - RMF Systems	Sensor value	Pressure switch	Value 1.00 is equal to threshold 1	1.00	Asset	20.04.2023 05:01:03	20.04.2023 05:24:19
Actuator overview		Inactive	Machine Monitor	Osmo 3.0 - RMF Systems	Sensor value	Pressure switch	Value 1.00 is equal to threshold 1	1.00	Asset	20.04.2023 04:46:51	20.04.2023 04:55:27
Alarms		Inactive	Machine Monitor	Osmo 3.0 - RMF Systems	Sensor value	Pressure switch	Value 1.00 is equal to threshold 1	1.00	Asset	20.04.2023 04:41:41	20.04.2023 04:46:40
Tag overview		Inactive	Machine Monitor	Osmo 3.0 - RMF Systems	Sensor value	Pressure switch	Value 1.00 is equal to threshold 1	1.00	Asset	20.04.2023 04:26:56	20.04.2023 04:26:59
Threshold overview		Inactive	Machine Monitor	Osmo 3.0 - RMF Systems	Sensor value	Pressure switch	Value 1.00 is equal to threshold 1	1.00	Asset	20.04.2023 03:46:51	20.04.2023 03:57:28
Hide sidebar		Inactive	Machine Monitor	Osmo 3.0 - RMF Systems	Sensor value	Pressure switch	Value 1.00 is equal to threshold 1	1.00	Asset	20.04.2023 03:34:33	20.04.2023 03:46:09



When clicking on the TICKETS tab, it will display the ticket details for assets with that tag, for example:

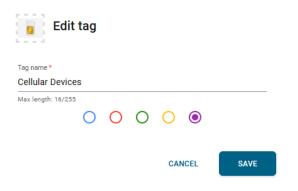
	← Tag details					Step Demo	han Andeweg ⑦ :
INSIGHT	Cellular Devices				INFO ATTRIBUTES	ALARMS TH	CKETS HISTORY
Asset map	Asset	× Q Asset type	хQ	Ticket name / reference	X Q Open tick * Priority	✓ Rows per page:	10 + 1-10 of 37 < >
Areas overview	Asset 1	Asset type	Reference	Title	Status	Priority	Create date
→ Dashboards	Machine Monitor	Osmo 3.0 - RMF Systems	1620234647	ALARM: Machine Monitor	In progress	Medium	18.04.2023
Asset overview	Machine Monitor	Osmo 3.0 - RMF Systems	1620234648	ALARM: Machine Monitor	In progress	Medium	18.04.2023
≡ Asset list	Machine Monitor	Osmo 3.0 - RMF Systems	1620234654	ALARM: Machine Monitor	In progress	Medium	18.04.2023
Object overview	Machine Monitor	Osmo 3.0 - RMF Systems	1620234656	ALARM: Machine Monitor	Analyse	Medium	18.04.2023
Virtual objects	Machine Monitor	Osmo 3.0 - RMF Systems	1620234658	ALARM: Machine Monitor	In progress	Medium	18.04.2023
Actuator overview	Machine Monitor	Osmo 3.0 - RMF Systems	1620234659	ALARM: Machine Monitor	Analyse	Medium	18.04.2023
Alarms	Machine Monitor	Osmo 3.0 - RMF Systems	1620234661	ALARM: Machine Monitor	Analyse	Medium	18.04.2023
Tag overview	Machine Monitor	Osmo 3.0 - RMF Systems	1620234662	ALARM: Machine Monitor	In progress	Medium	18.04.2023
. Threshold overview	Machine Monitor	Osmo 3.0 - RMF Systems	1620234668	ALARM: Machine Monitor	In progress	Medium	18.04.2023
Hide sidebar	Machine Monitor	Osmo 3.0 - RMF Systems	1620234686	ALARM: Machine Monitor	Analyse	Medium	19.04.2023

When clicking on the HISTORY tab, it will display the application historical events across the different applications for assets with that tag, for example:

(wi -					Demo	
INSIGHT	Cellular Devices			INFO	ATTRIBUTES ALARM	IS TICKETS	HISTORY
	Asset	× Q, Asset type	× Q Date from	Date to	Event t All 👻	Rows per page: 10 +	1-10 of 272 <
Asset map Areas overview	Asset	Asset type	Event name	Event type	Application	Date time \downarrow	User
Dashboards	Machine Monitor	Osmo 3.0 - RMF Systems	Ticket status was updated ALARM: Machine Monitor (1620234654) from Analys to In progress	iis Ticket	Field Service Management	26.04.2023 02:42:11	Thomas Brekelmar
Asset overview	Oil Condition Monitor	NavigateWorkx - RMF Systems	Asset status changed from Offline to Healthy	Status	Insight	24.04.2023 06:09:16	🚊 System
	Oil Condition Monitor	NavigateWorkx - RMF Systems	Asset status changed from Healthy to Offline	Status	Insight	24.04.2023 05:26:40	L System
Object overview	Oil Condition Monitor	NavigateWorkx - RMF Systems	Asset status changed from Offline to Healthy	Status	Insight	24.04.2023 04:01:52	🚊 System
Virtual objects	Machine Monitor	Osmo 3.0 - RMF Systems	Asset status changed from Alarm to Healthy	Status	Insight	24.04.2023 03:19:44	🚊 System
Actuator overview	Machine Monitor	Osmo 3.0 - RMF Systems	Asset status changed from Offline to Alarm	Status	Insight	24.04.2023 03:19:42	🚊 System
Alarms	Rombo 3.0 Boat Motor Monitor	Rombo 3.0	Asset status changed from Healthy to Offline	Status	Insight	20.04.2023 09:42:00	System
	Oil Condition Monitor	NavigateWorkx - RMF Systems	Asset status changed from Healthy to Offline	Status	Insight	20.04.2023 09:41:54	💄 System
Threshold overview	Rombo 3.0 - Rail Monitor	Rombo 3.0	Asset status changed from Healthy to Offline	Status	Insight	20.04.2023 09:40:52	System
Hide sidebar	Machine Monitor	Osmo 3.0 - RMF Systems	Asset status changed from Alarm to Offline	Status	Insight	20.04.2023 08:56:10	System



When clicking on it's possible to remove the tag from the assets or edit the tag and change the name and/or color:



Click SAVE to commit the changes.

2.11 Threshold overview

	← Threshold ove	rview								4	Step	ohan Andeweg	
INSIGHT	Ŧ									Rows per page:	25 👻	1-25 of 35 <	>
Asset Map	Category	Туре 🛧	Asset name	Asset type name	Resource	State	Trigger	Value	Active alarms	Actions	User		
Areas overview	Offline	Asset	-	DIMO	Offline	Active		12h	0	▲ #	<u>.</u>	System	
Dashboards	Offline	Asset		DIMO	Offline	Active		12h	0	▲ ≉	<u>*</u>	System	
Asset overview	Offline	Asset	-	DIMO	Offline	Active		12h	0	▲ ≉	<u>.</u>	System	
Asset list	Offline	Asset	-	Rombo X	Offline	Active		15m	1	A	<u>*</u>	System	
Object overview	Offline	Asset		Rombo X	Offline	Active		15m	1		<u>*</u>	System	
Virtual objects	Sensor	Asset		Rombo X	Temperature 0 Sensor Value	Active	Above	10	1	▲自	<u>.</u>	Mark Damen	
Actuator overview	Offline	Asset		CO2 Monitor	Offline	Active		1h	1	▲ ≉	<u>.</u>	System	
Alarms Tag overview	Offline	Asset	-	CO2 Monitor	Offline	Active		1h	1	▲ #	<u>.</u>	System	
Threshold overview	Offline	Asset		CO2 Monitor	Offline	Active		1h	1	▲ ≉	<u>.</u>	System	
	Offline	Asset	-	CO2 Monitor	Offline	Active		1h	1	A #	<u>.</u>	System	
Hide sidebar	Offline	Asset	-	CO2 Monitor	Offline	Active		1h	1	▲ ♣	<u>*</u>	System	

The **Threshold overview** menu item gives an overview of all defined thresholds:

Menu item	Description
Category	Shows the category for the threshold
Туре	Shows the type for the threshold
Asset name	Shows the asset name of the threshold
Asset type name	Shows the asset type name of the threshold
Resource	Shows which resource has the threshold
State	Shows the state for the threshold
Trigger	Shows the trigger value
Value	Shows the threshold value
Active alarms	Shows the amount of active alarms for the threshold
Actions	 Shows the actions to be taken when the threshold is reached Raise alarm Create service ticket Execute actuator Notify via channel
User	Shows the owner for the threshold



3 Glossary

Feature	Description
Thresholds	Setting Thresholds on sensor values
Asset coupling	Connect "connected assets" to "unconnected assets"
Alarms	Raise alarms in case thresholds are exceeded
Notifications	Be notified via email or telegram in case thresholds are
	exceeded
Asset Inventory	Add inventory to unconnected assets. Mainly intended
	for cargo and transport
Asset Details	Detailed information of the asset
Asset List	Generic overview of all assets. Filtering in possible to get
	the required overview
Asset Map	A map where all assets are located for location based
	navigation
Dashboards	Create custom dashboards to have all the information
	needed in 1 screen
LwM2M integration	Integration with LwM2M can read/write/observe/execute
	directly towards the device via the asset details
FSM Integration	Create tickets directly or when thresholds are exceeded
Tagging	Add tags to assets to group them
Object List	Show all "sensors" (objects)
Track & Trace	show the trace of track & trace devices
Attribute View	A list of all attributes of the asset via the asset details
Sensor Graphs & Bars	Historical sensor data can be visualized via graphs or bar
	charts with different aggregation types
Alarm Details	Shows how often a certain alarm was raised
Raw Data export	Export sensor data to csv
Secure Device Communication	Protects the execution of actions on a device with a PIN
	code
"If this then that"	When a threshold is exceeded an action on a device can
	be executed
Virtual Objects	Add virtual sensors to devices based on simple
	calculations
Update Asset Location	From the asset details page the user can update the
	asset
Events	All important events can be seen and exported. Events
	like added or changed thresholds, when the asset goes
	offline/online
Actuators	With actuators you can call for an action on an asset
	when a threshold has been exceeded. As an example: If
	the temperature on CRM XYZ is lower than 5 degrees, a
7	relay on Rombo III needs to be switched
Threshold Overview	The threshold overview gives you a one-page overview
	of all thresholds set on assets or asset types



Exporting Sensor Data	Sensor data from all selected assets can be exported to a
	CSV
Exporting Asset Details	A report from all selected assets can be exported to a
	PDF containing all information and last sensor values
Offline notifications	Get notifications when asset become offline