TRIDONIC

enlightening your ideas

connecDIM

Release notes

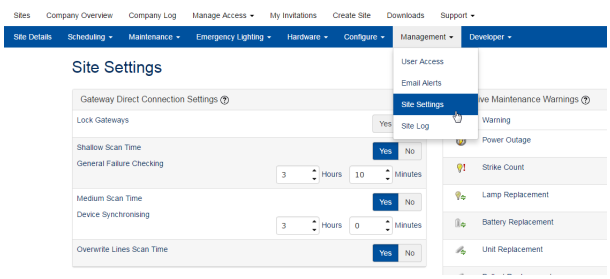
Release notes connecDIM

This document contains the history of the officially released connecDIM software versions It gives a short overview of the new features and improvements.

Release version: Cloud 3.4.0.3 ; Gateway 3.4.6.13 ; Date: 20.07.2016

Logical Areas improvement

Because the shallow and medium scan can cause delays if a Logical Area is triggered, by a physically connected device to DALI like e.g. DALI XC, the scan time can now be modified.



Settings for shallow and medium scan can be found in Management/Site Settings

Depending on the needs of your site now you can decide how often the scans should be executed.

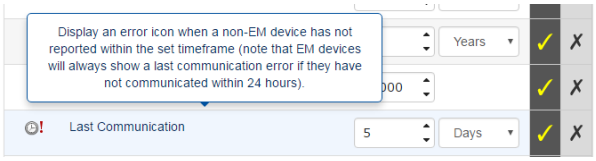
Time for shallow scan and for medium scan can be programmed separately

Faster interwalls
+higher resolution of the data send to cloud

-higher internet traffic
-higher risk of delays in LA

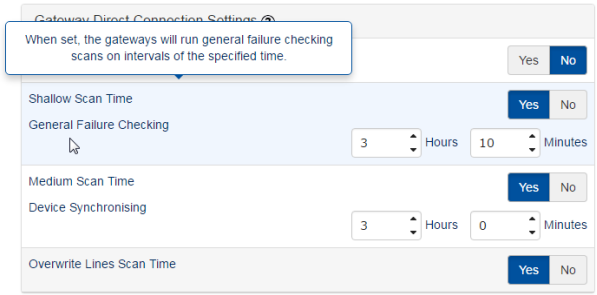
Slower interwalls
+lower internet traffic
+lower risk of delays in LA

-lower data resolution



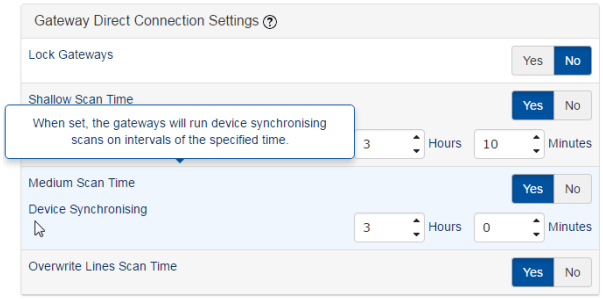
In Version 3.4.6.13 shallow and medium scan will be disabled by default. To activate shallow and medium scan please follow the steps described in this chapter

What is the result of an deactivated shallow and medium scan?
The result is that depending on your site setting "last communication" the Devices will be reported in Cloud as outdated if no light level change was performed in the time frame programmed in "last communication" setting.



Shallow Scan is needed for general failure checking and status update
Following parameter are send to the cloud during shallow scan

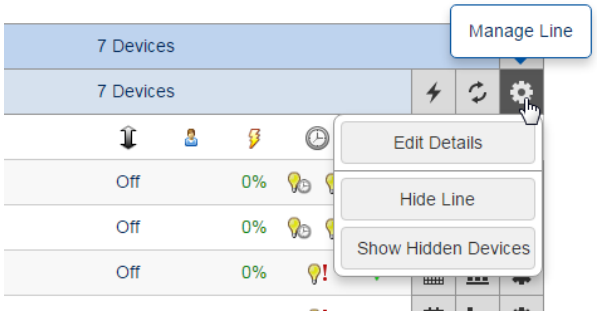
-how many devices are connected
-are there any failures
-what is the actual light level



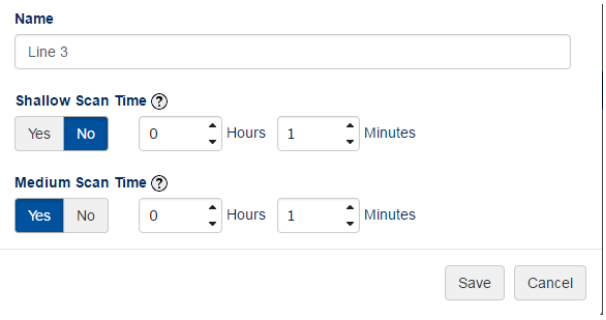
Medium scan is needed for device synchronization
Medium scan has the same functions like the shallow scan but it collects also additional information
like Scene settings or min/max Level and reports them to the cloud.

Medium scan is also executed on every reboot of the connecDIM GW.

If high data resolution in cloud, and Logical Areas (triggered by physically connected devices) are required. Shallow and Medium scan can be disabled for the DALI Line where the Trigger of the Logical Area is connected to.This will improve the reaction time from the Logical Area and lower the risk of delays.

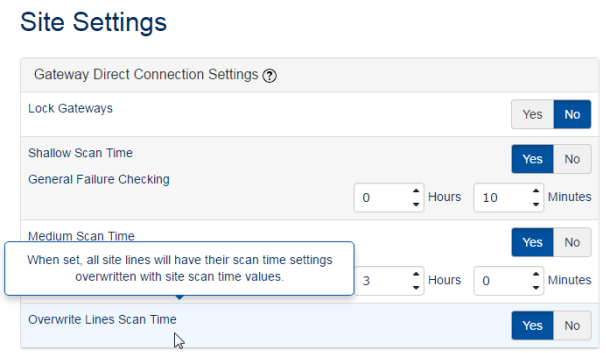


To change the shallow and medium scan times for a specific Line go to Manage Line / Edit Details



In the new Window you can change the settings for shallow and medium Scan

Attention if settings for shallow and medium scan are changed on line level then the settings programmed in Site Settings will not be programmed to this line.

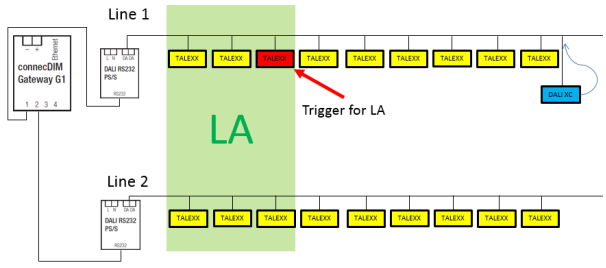


To change the individually programmed times on Line basis

Overwrite Line Scan Time has to be selected in Site Settings.

Overwrite Line Scan Time will overwrite the time settings for shallow/medium scan of all GW registered to your site with the values programmed in Site Settings.

Example



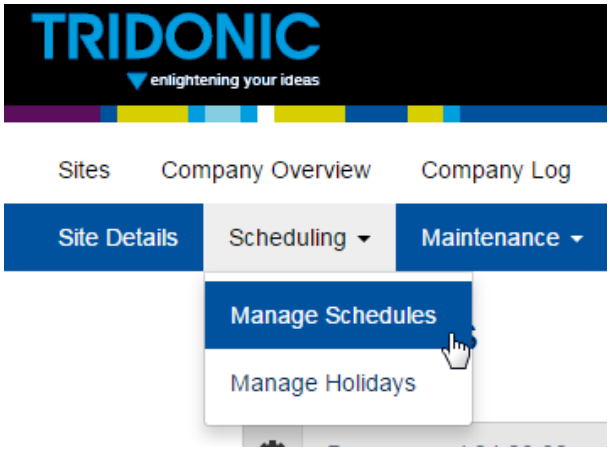
Trigger for LA is on Line 1 and is triggered by an DALI XC

LA is part of Line 1 and Line 2

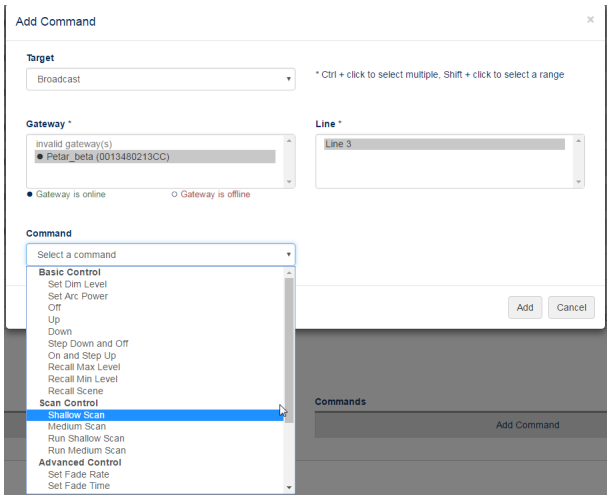
to minimize the risk of a delay for the LA the Shallow and Medium scan are disabled for Line 1.

Shallow and Medium scan still can be enabled for Line 2.

To still be able to monitor Line 1
the Scheduler offers the opportunity to activate Shallow and Mediums scan for specific times e.g. when nobody is in the installation and the LA will not be triggered by e.g. an DALI XC so it is not important if the delay in the LA occurs.



To open the Scheduler menu go to Scheduling / Manage Schedules



In the new Scheduler select Broadcast as Target

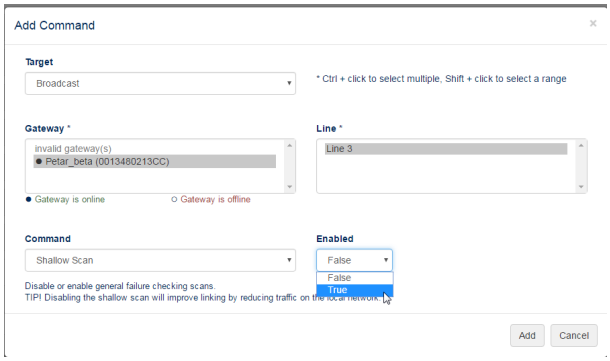
Select the GW where the Trigger is located

Select the Line where the Trigger is located

In the Commands the Scan Control commands are now available.

There are four options

- Shallow Scan
  - The shallow scan will be executed according to the Times programmed in Site Settings
- Medium Scan
  - Medium Scan will be executed according to the Times programmed in Site Settings
- Run Shallow Scan
  - Shallow Scan will be executed according to the programmed time in the Schedule
- Run Medium Scan
  - Medium Scan will be executed according to the programmed time in the Schedule

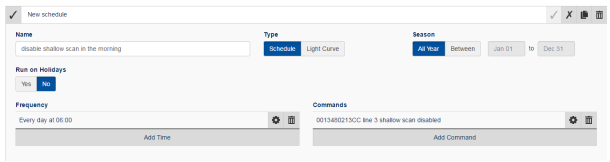


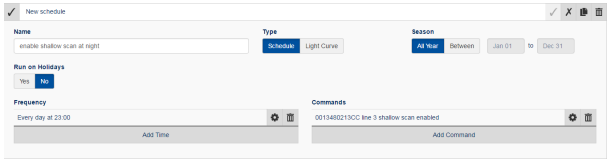
» Shallow Scan
  » The shallow scan will be executed according to the Times programmed in Site Settings

Two options are available True and False.

If True is selected Shallow Scan will be enabled and the times programmed in Site Settings will be activated.

If False is selected Shallow Scan will be disabled for this line





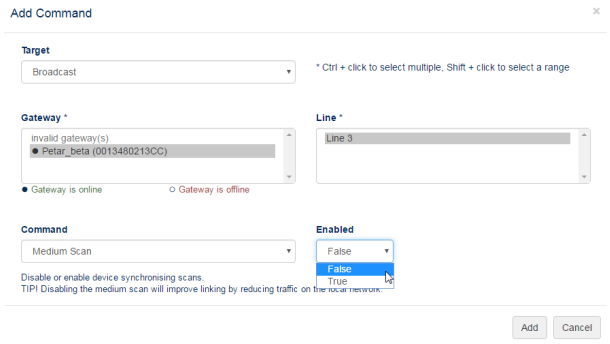
e.g. Shallow Scan is activated to the whole site but you have a LA and do not want to run in a risk to have delays and would like to disable the Shallow Scan during the operating hours

In This case you have to program two Schedules

One with the False Value which will deactivate the Shallow Scan like in this example at 6:00

And one with the True Value to activate the Shallow Scan again in this example at 23:00

This means that the Shallow Scan will be disabled from 6:00 to 23:00 and it will be activated from 23:00 to 6:00

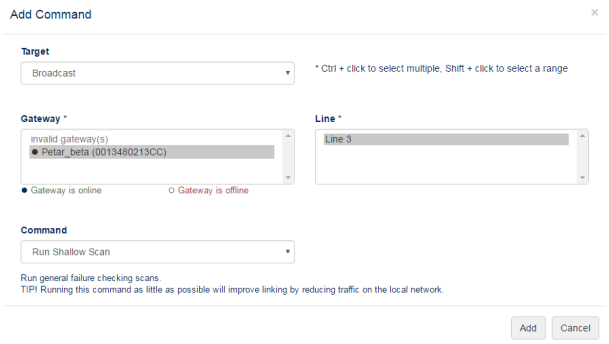


» Medium Scan
  » Medium Scan will be executed according to the Times programmed in Site Settings

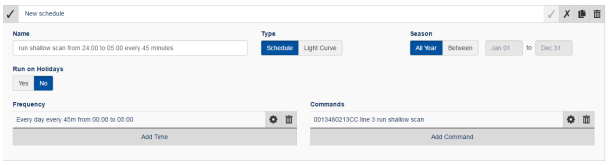
Two options are available True and False.

If True is selected Medium Scan will be enabled and the times programmed in Site Settings will be activated.

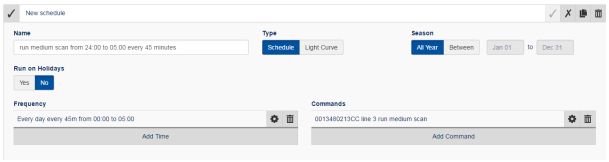
If False is selected Medium Scan will be disabled for this line



» Run Shallow Scan
  » Shallow Scan will be executed according to the programmed time in the Schedule



e.g. like in this example programmed the shallow scan will be executed every 45 minutes between 24:00 to 5:00



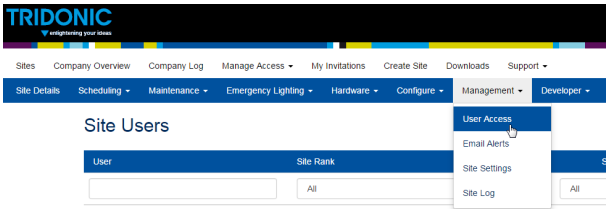
» Run Medium Scan
  » Medium Scan will be executed according to the programmed time in the Schedule

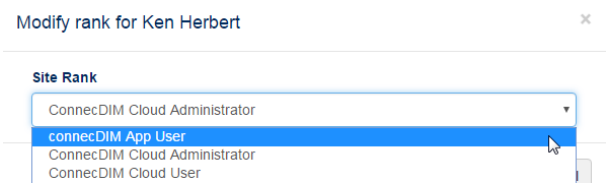
in this example the medium scan will be executed every 45 minutes between 24:00 and 5:00

New default Site Rank connecDIM App User

Site Rank connecDIM App User will allow the User to log in to the Site and get Favorites defined by an Administrator. This User Rank will see only his Favorites and not the rest of the Installation. This rank is the new Default profile.

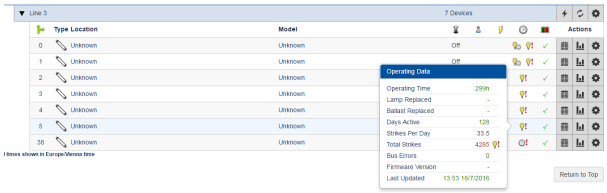
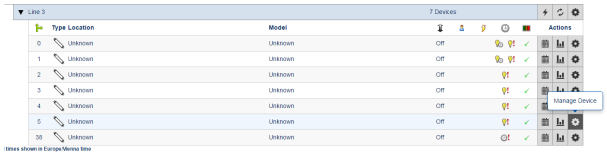
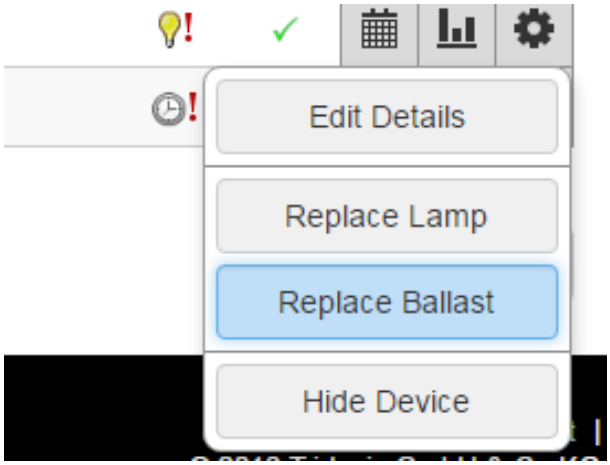
Site Ranks can be changed under Management / User Access

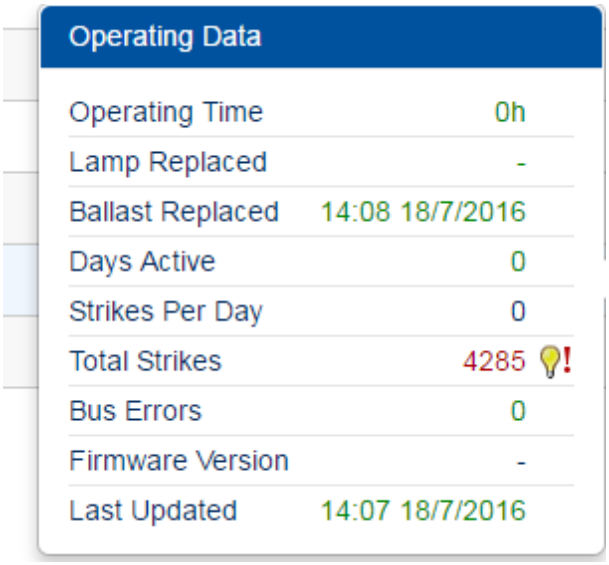




Replace ballast

When a ballast is marked as replaced in the cloud, operating time was not reset until the light next reported to the cloud. Now operating time will reset immediately.

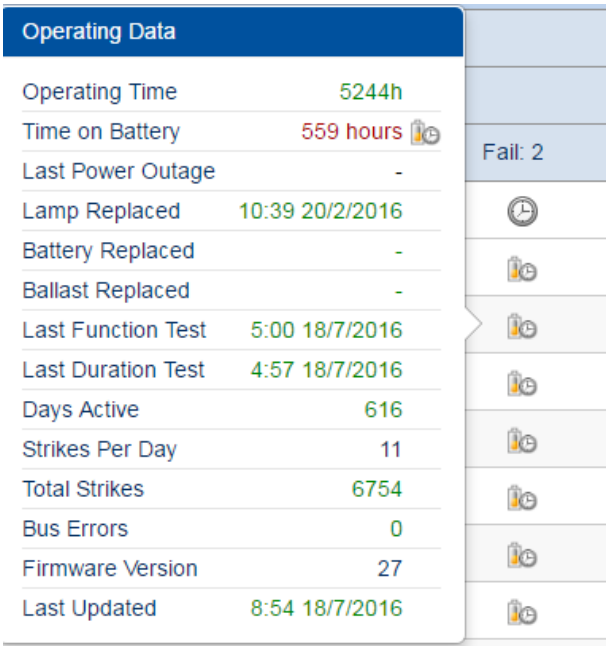
how to	
	e.g. Operating time is 299h
	go to manage device
	select replace Ballast



Operating Time is reset to zero

Emergency Time on Battery

Emergency Time on Battery was showing incorrectly. A bug was found in the formula that would attempt to count hours past the limit of the ballast and hours were being doubled. The time shown will now just be the value from the ballast which means it will be limited to 255 hours.



e.g. in this case the Time on Battery was 559.

With this update the maximum displayed is the Value stored in the Driver and this is up to 255 hours.

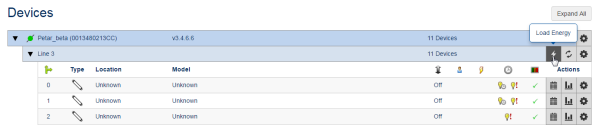
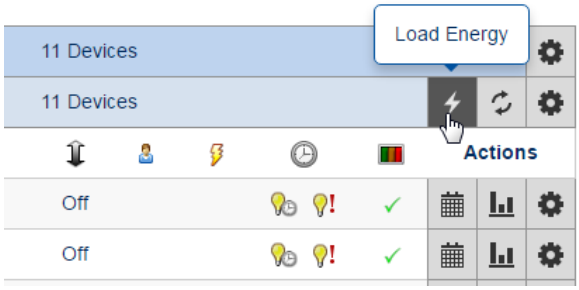
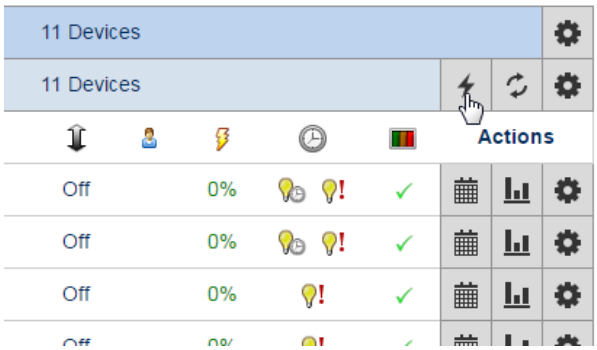
MSensor Update

MSensors grouping is now more reliable. When an MSensor is set to report at the highest speed there is a large chance that the DALI grouping commands are interrupted. The gateway will now attempt to silence MSensors before sending grouping commands.

For best results ensure MSensor speed is not set to highest while grouping sensors and lights.

Energy calculation

The cloud will no longer calculate energy when it first loads. A new button for loading energy has been added to the system for each DALI Line, when the button is pressed the energy data will be loaded.

	expand the Line and you will see the new field Load Energy
	Select Load Energy
	Energy data loaded

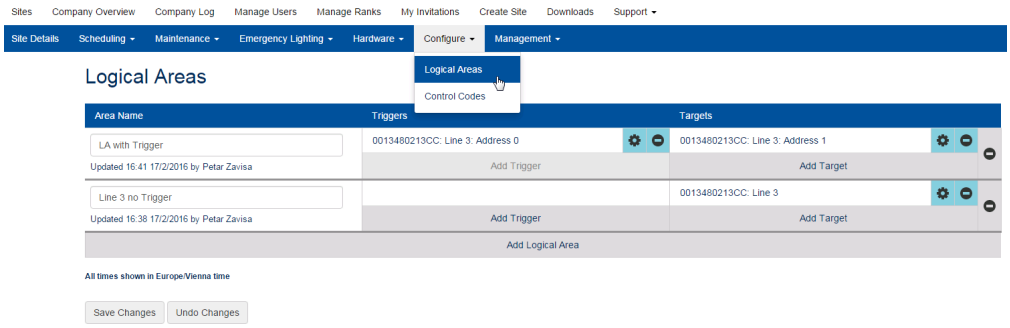
Lamp fails

When a lamp fails, it will no longer accrue energy data at 100%. A DALI device reports 255 arc power level when the lamp fails, the cloud was using this value to generate maximum arc power usage when a lamp failed.
This behavior is now improved. The Energy Level will be zero.

Release version: 3.2.1 date: 01.03.2016

Logical Areas

Logical areas can now be programmed without a Trigger, this is useful if a logical area is used for Email Alerts. No risk of large areas being triggered accidentally.



Logical Area hop counting

Preventing infinite linking loops. Maintains usability of logical area feature. Only one hop is now allowed.

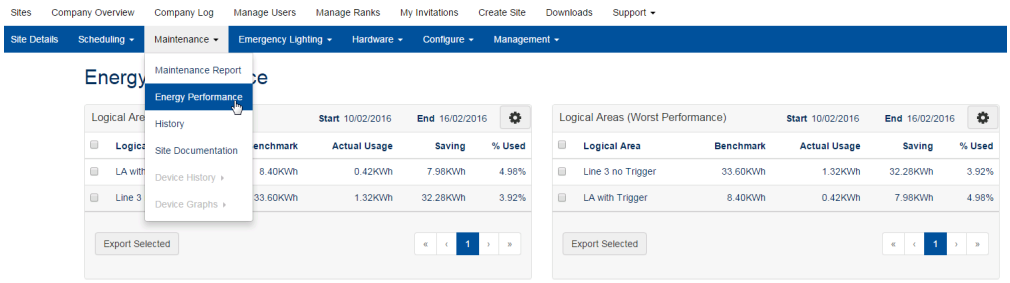
Delay Time issue improved

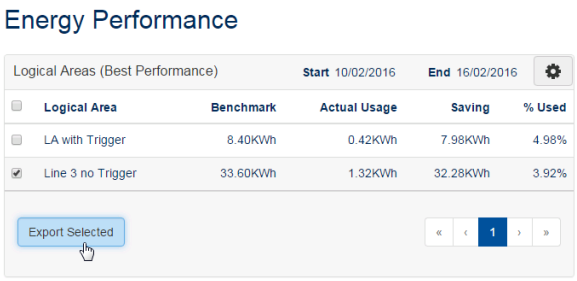
With this version the Delays between Trigger and Targets have been improved.

Unfortunately randomly some delays still may occur

Export energy performance

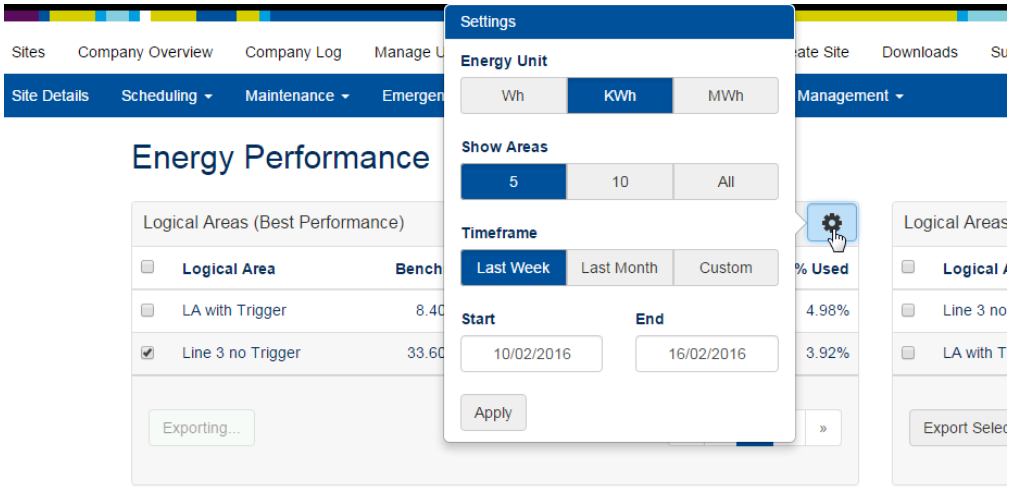
Makes it possible to export energy data out of the energy performance window to a .csv file





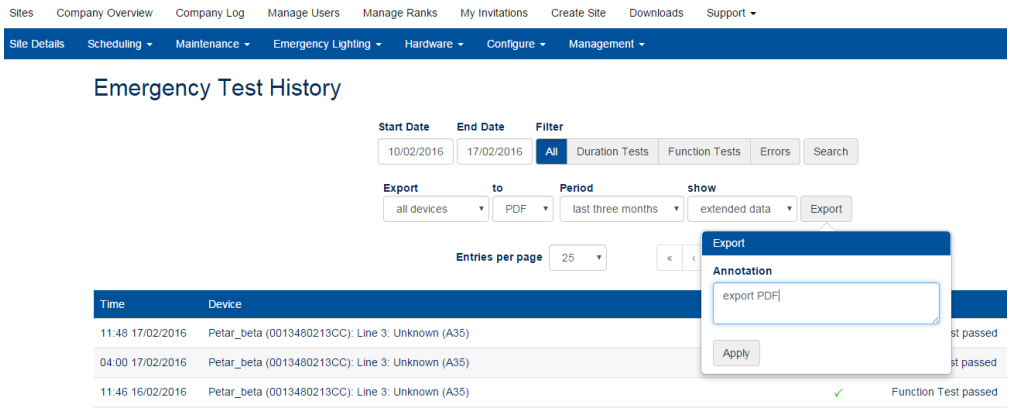
Improved energy performance view

Allows to customise the energy performance view. and display the consumed energy in Wh, kWh, MWh, show Areas 5, 10 or all and Flexible time frame

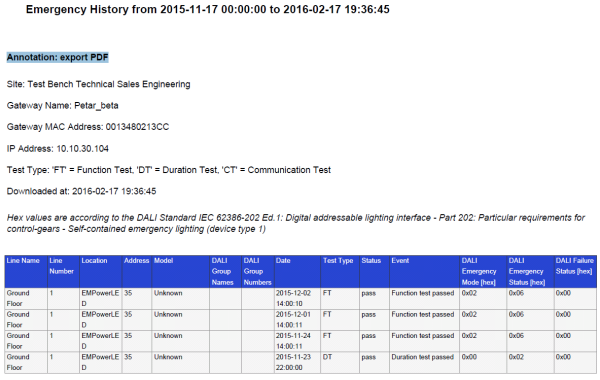


Report annotations

Annotation which can be entered by the user when an Extended or non-Extended report is created the user is asked for Annotation, which is then shown on the report when it is created.



exported Report as PDF



Emergency History from 2015-11-17 00:00:00 to 2016-02-17 19:36:45

Annotation: export PDF

Site: Test Bench Technical Sales Engineering

Gateway Name: Petar_beta

Gateway MAC Address: 0013480213CC

IP Address: 10.10.30.104

Test Type: 'FT' = Function Test, 'DT' = Duration Test, 'CT' = Communication Test

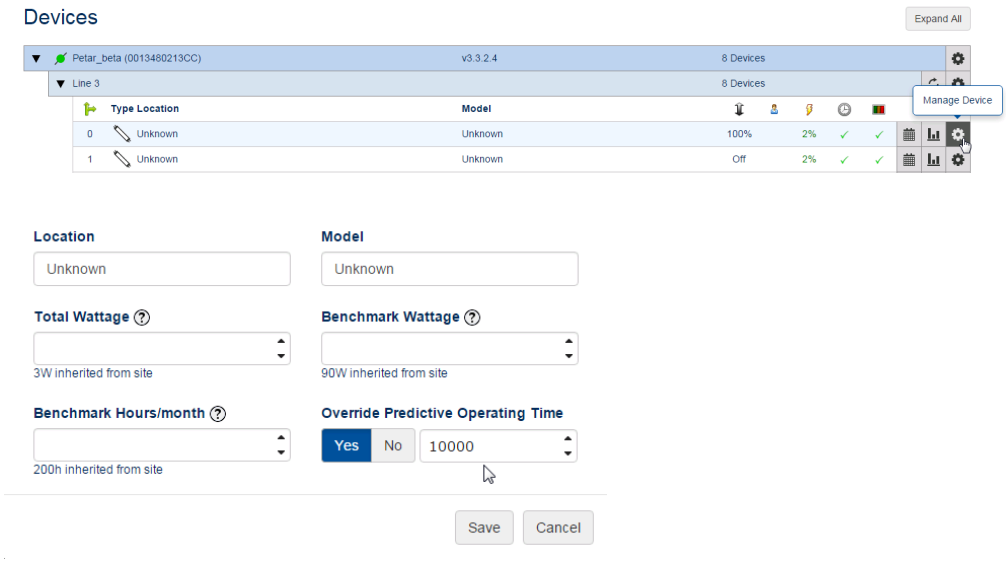
Downloaded at: 2016-02-17 19:36:45

Hex values are according to the DALI Standard IEC 62386-202 Ed.1: Digital addressable lighting interface - Part 202: Particular requirements for control-gears - Self-contained emergency lighting (device type 1)

Line Name	Line Number	Location	Address	Model	DALI Group Names	DALI Group Numbers	Date	Test Type	Status	Event	DALI Emergency Mode [hex]	DALI Emergency Status [hex]	DALI Failure Status [hex]
Ground Floor	1	EMPowerLED	35	Unknown			2015-12-02 14:00:10	FT	pass	Function test passed	0x02	0x06	0x00
Ground Floor	1	EMPowerLED	35	Unknown			2015-12-01 14:00:11	FT	pass	Function test passed	0x02	0x06	0x00
Ground Floor	1	EMPowerLED	35	Unknown			2015-11-24 14:00:11	FT	pass	Function test passed	0x02	0x06	0x00
Ground Floor	1	EMPowerLED	35	Unknown			2015-11-23 22:00:00	DT	pass	Duration test passed	0x00	0x02	0x00

Per-Device predictive settings

New option available in the manage device settings which allows to override the predictive operating time inherited from site settings.



Access site sub-pages via direct URI

Now it's possible to directly access sub-pages of a site via a direct URI e.g. accessing the schedules page via **/details/1/schedules**

This brings following benefits:

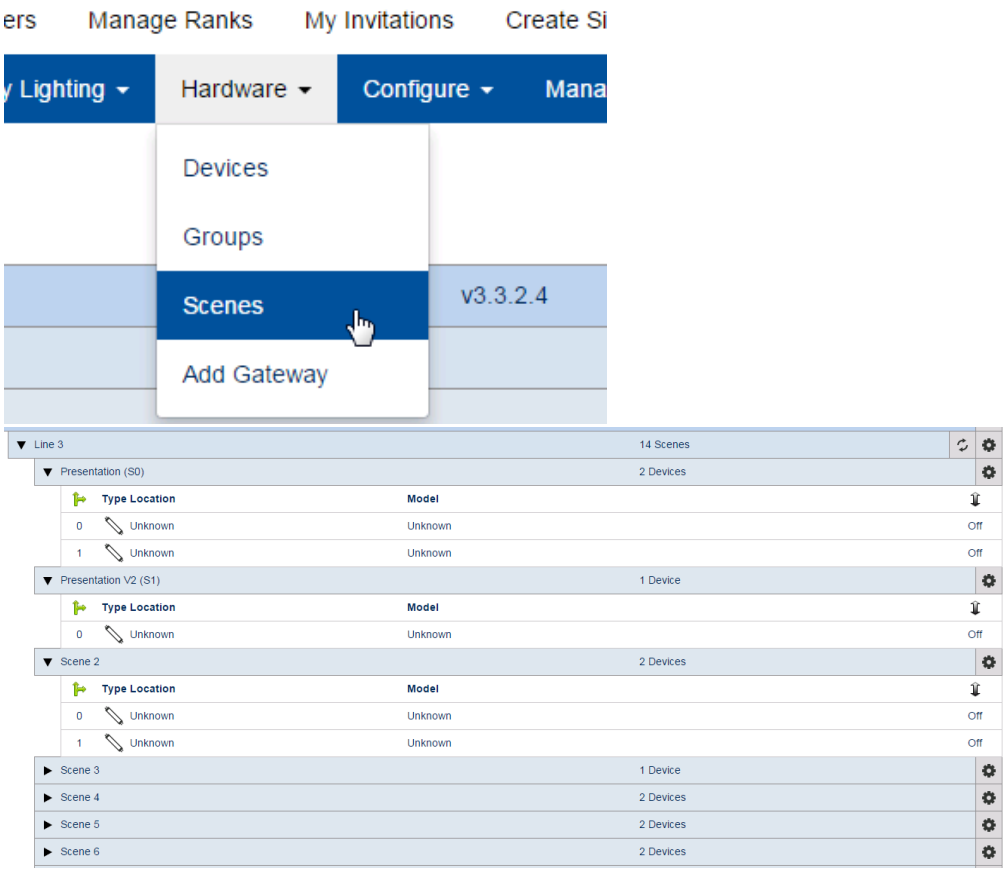
- Linking from email reports
- Full back-button navigation
- Bookmarking sub-pages

Exclusions

Some pages will not be accessible via direct links (yet). The pages currently affected by this are the device history, device graphs, and AU/NZ EM test snapshots.

Scenes visualisation updated

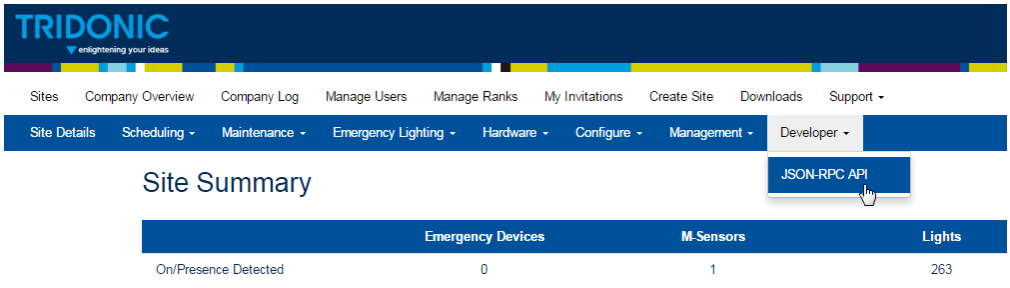
Cloud shows now DALI scene number on named scenes.



JSON-RPC API configurator

Easy way to create own JSON-RPC commands and control light remotely.

Function can be found under Developer/JSON-RPC API



JSON-RPC commands can not be used if the GW is locked (management/site settings)

Change GW IP via JSON-RPC

Change the IP of the GW via JSON-RPC. Use following code to change the IP of your GW

http://111111111111.local/cgi-bin/json.cgi?json={"method": "configurenetwork", "params":[{"ip":"222.222.222.222", "gateway":"333.333.333.333", "netmask":"255.255.255.0"}], "id":1234}

Take care the code is case sensitive

111111111111 = MAC Address of the GW you would like to change the IP
222.222.222.222 = New IP address for the GW
333.333.333.333 = IP of your router
255.255.255.0 = Netmask

The programmed IP will get lost after a GW reboot and the GW will get again an IP given by DHCP.

Change Proxy via JSON-RPC

Read:

{"method": "configureproxy", "params":[{"action":"read"}], "id":1234}

Configure:

{"method": "configureproxy", "params":[{"serverip":"111.111.111.111", "port":"333", "username":"myusername", "password":"mypassword"}], "id":1234}

111.111.111.111 = IP of your proxy server
myusername = your username
mypassword = your password

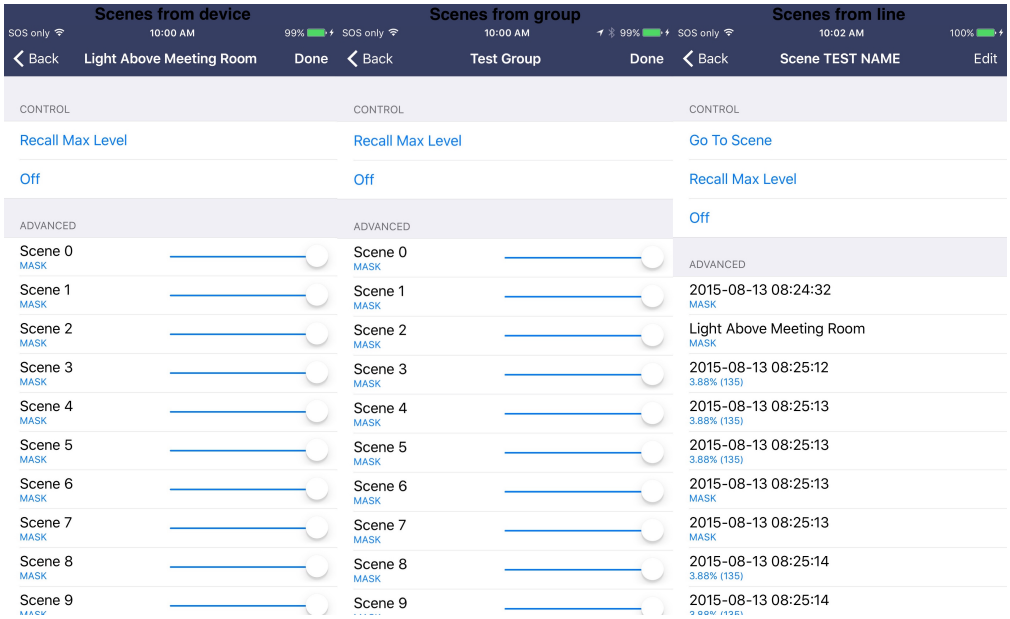
Disable:

{"method": "configureproxy", "params":[{"action":"disable"}], "id":1234} `

connecDIMArchitec app scenes menu

Now it is possible to change the scene settings in the group menu

Go to line X/ Group X/ Scenes/ Edit


Scenes from device
SOS only
10:00 AM
99%
Back
Light Above Meeting Room
Done
CONTROL
Recall Max Level
Off
ADVANCED
Scene 0
MASK
Scene 1
MASK
Scene 2
MASK
Scene 3
MASK
Scene 4
MASK
Scene 5
MASK
Scene 6
MASK
Scene 7
MASK
Scene 8
MASK
Scene 9
Scenes from group
SOS only
10:00 AM
99%
Back
Test Group
Done
CONTROL
Recall Max Level
Off
ADVANCED
Scene 0
MASK
Scene 1
MASK
Scene 2
MASK
Scene 3
MASK
Scene 4
MASK
Scene 5
MASK
Scene 6
MASK
Scene 7
MASK
Scene 8
MASK
Scene 9
Scenes from line
SOS only
10:02 AM
100%
Back
Scene TEST NAME
Edit
CONTROL
Go To Scene
Recall Max Level
Off
ADVANCED
2015-08-13 08:24:32
MASK
Light Above Meeting Room
MASK
2015-08-13 08:25:12
3.88% (135)
2015-08-13 08:25:13
3.88% (135)
2015-08-13 08:25:13
3.88% (135)
2015-08-13 08:25:13
MASK
2015-08-13 08:25:13
MASK
2015-08-13 08:25:14
3.88% (135)
2015-08-13 08:25:14