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# DALIBuildings Release Notes

## IMPORTANT NOTES

- Before installing the software please read the accompanying document *DALIBuildings Installation Guide*.

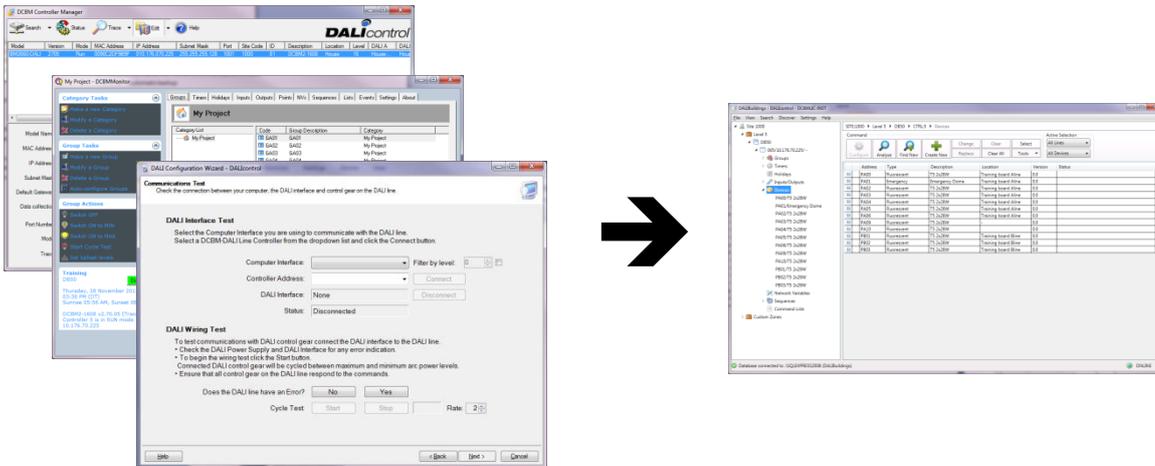
## WHAT'S NEW

- Single Software Solution
- Faster Programming
- Building-Mode View
- Custom Zone Improvement
- Web Service Interoperability
- Robust Data Storage

## SINGLE SOFTWARE SOLUTION

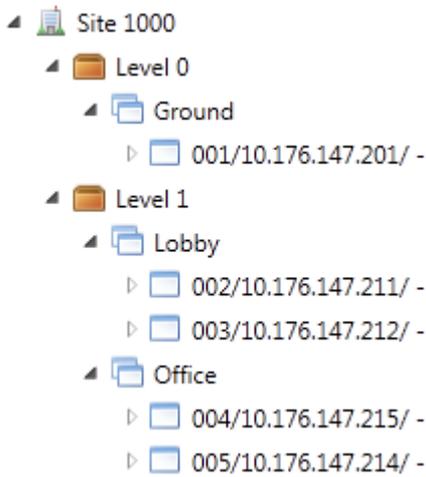
Instead of using different software to commission different part of the project, DALIBuildings can commission a DALI project from start to finish. DALIBuildings has the functionalities from the following software:

- DCBMManager: configures the DCBM controller
- DCBMMonitor: configures Input/Output, Groups, etc.
- DCBMWizard: configures ECGs and ECGs.



### Project-centric approach

It also introduces a project-centric approach rather than previous controller-centric approach which means user is able to see all controllers from a project on one screen. User gets a structural view of the Network layout and it adds the ability to work cross controller (e.g. user can send ON/OFF command to a CustomZone which contains all lift lobbies from every level of a building).



### *Compatibility with existing software*

DALIBuildings has the capability to import from existing databases, so existing project can be converted into using the new solution approach. This will add new benefits such as Web Service (for interoperable with other system, such as the HVAC/Security system) to an existing DALI site.

## FASTER PROGRAMMING

With the project-centric approach of DALIBuildings, it enables user for faster programming.

### *Edit multiple objects*

Some object such as Schedule, Holiday, and Sequence are likely to have the same configuration across all controllers. For example when we are adding a holiday, we would like to add the holiday to all controllers. DALIBuildings enables user to open a holiday as a template then copies the configuration to multiple controllers.

Code	Description	Date
HOL01	Christmas - NY	Dec 23 2013
	<ul style="list-style-type: none"> <li>Edit</li> <li>Edit and Copy to Entire Site</li> <li>Edit and Copy to Entire Level</li> <li>Edit and Copy to Entire Location</li> </ul>	

### *Copy-paste*

Copy paste functionality lets the user choose an object as a template then paste it to other objects. Currently you can copy-paste the following:

- ECD behaviour: copy the configuration of an ECD except its target.
- Controller's base configuration: copy all Schedules, Holidays, and Sequences to another controller(s).

	Address	Type	Description
EA01	Sensor		
EA02	Sensor		Set Location
EA03	Sensor		
EA04	Sensor		Copy Behaviour
EB01	Sensor		Paste Behaviour
EB02	Sensor		

*Automatic queuing when syncing or upgrading firmware*

DALIBuildings enables user to sync or upgrade multiple controller. It then creates a queue and executes the task based on the queue.

↑ Move Up	↓ Move Down	✗ Cancel All	✗ Cancel Selected	🗑 Clear	⚠ View Failed Device(s)
Id	IP Address	Sync	Line	Progress	
78	10.176.70.221	All	LineA + LineB	<div style="width: 100%; height: 10px; background-color: green;"></div>	Syncing Group 'GA01'
101	172.20.0.101	Controller	LineA + LineB		
72	10.176.70.225	ECD	LineA + LineB		

*Faster ballast address sorting*

DALIBuildings utilises a new sorting algorithm to help user sort their ballast quicker.

Target



**Line A**  
**1**

**Searching target**

Is the target fitting ON?

(Y)es
(N)o

1 of 11 device addressed

*Program controllers and devices in offline mode*

DALIBuildings allow user to create controllers and devices in offline mode. This allow user to develop their site plan without waiting for the controller/device to be completely installed. Once the user is on site, they can initiate the discovery process and DALIBuildings will recognise and match the offline plan.



**Please confirm your OFFLINE plan**

The following list displays the list of controller(s) found in the network which matches your offline plan.

Please check and confirm if the network condition satisfies your offline plan. By confirming, the offline configuration (e.g. IPAddress, Location, etc) will be synced the actual controller.

Id	PLANNED IPAddress	ACTUAL IPAddress	Confirmed?
5	10.176.70.225	10.176.70.225	<input type="checkbox"/>

Sync OFFLINE plan to ACTUAL controller(s)

If DALIBuildings could not match the OFFLINE plan with the actual controllers, user has the option to manually map a controller to an OFFLINE controller.



**Select OFFLINE Controller to map**

Map the selected controller to an OFFLINE controller.

This action will override the settings of the actual controller with the OFFLINE controller.

Controllerid:  →

IP Address:  →

Id	IP Address	Level	Location	Description
70	10.176.70.220	0	Ground	
71	10.176.70.222	0	Ground	
72	10.176.70.71	0	Ground	

### Offline editing for ballast settings

Ballast settings are now stored in the database. This enables user not only to do offline programming but also to have a backup of the ballast settings.

Configure:

Id	Description	Location
PA00		
PA01		
PA02		
PA03		
PA04		
PA05		
PA06		
PA07		
PA08		
PA09		

Settings

Version No:

Device Type:

Physical Min Level:

Actual Level:

Maximum Level:  100% ▾

Minimum Level:  0.100% ▾

### Better Fault-Finding/Analysis Tool

Since DALIBuildings has all information from a project, analysing your project becomes easier. For example a typical fault finding is to find which ECG/ECD is causing problem in a Group. DALIBuildings will automatically scans the ECDs to find which one is targeting the faulty Group and display the list along with the ECGs.

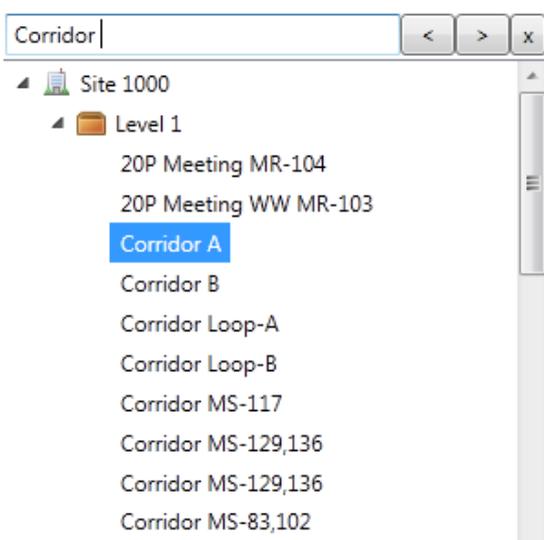
ID	Type	Description	Status
PA03	Emergency	LED Spitfire	OFF, Limit Reached, R
PA13	Fluorescent	1x18W Rec D/L	ON
PA14	Fluorescent	1x18W Rec D/L	ON
PA16	Fluorescent	1x18W Rec D/L	ON
PA18	Fluorescent	1x18W Rec D/L	ON
EA00	Switch		OFF
EA04	Switch		OFF

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## BUILDING-MODE VIEW

DALIBuildings introduces a new view which simplifies the layout of the project. This view would be ideal when the project is in operational mode since the building operator does not need to know the physical layout of the project.

Unlike the Network-Mode view, it only displays groups from a single level with the ability to do a quick search by the group name.




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## CUSTOM ZONE IMPROVEMENT

### *A more flexible CustomZone*

Instead of having CustomZone as a collection of controllers which share the same commonalities, CustomZone now can be configured as a selection of groups rather than controllers. This adds a greater flexibility when grouping groups from different controllers.

CTRL	Code	Description	On?
110	GA01	Lift Lobby Lvl 1	OFF
111	GA01	Lift Lobby Lvl 2	OFF

### Broadcast command

DALIBuildings also add the capability to send command to a CustomZone, which will be translated into multiple commands to multiple controllers. Currently only ON/OFF commands are supported.

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## WEB SERVICE INTEROPERABILITY

DALIBuildings exposes web service functionality which enables interoperability with other system, such as StruxtureWare or any other system which understands XML web service.

This enables the web service consumer to:

- Retrieves up-to-date groups and points status
- Send DALI command via the network

DALIBuildings has its own web service server, so it does not depend on the installation of a separate web server. This means a simpler installation procedure.

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## ROBUST DATA STORAGE

DALIBuildings uses SQL Server as the database server. User can choose to download a specific DALIBuildings installer which will install an express edition of SQL Server 2008R2 (which gives us a huge storage of 10GB).

Using a database server gives DALIBuildings some advantage:

- Bigger size of database and better performance: since DALIBuildings are now acting as the data collection point for all DCBM controllers to report their up-to-date points and group statuses.
- Advanced data operations such as: security, automatic backup, encryption, failover, and so many more that SQL Server offers.
- Adds flexibility on integration and custom reporting: since SQL Server uses standard SQL queries, third party system or reporting engine can integrate easily to DALIBuildings database.

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## UPGRADING FROM BETA VERSION

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## MULTIPLE WINDOWS USER

Generally user does not need to uninstall DALIBuildings BETA before upgrading to the full version. However if DALIBuildings needs to run under multiple Windows account then user need to uninstall DALIBuildings BETA and the SQL Server 2008 R2 which was installed by the beta installer.

To proceed with the uninstallation of DALIBuildings BETA, please read and follow the accompanying document *DALIBuildings SQL Server System Administrator*.

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## LICENSE DONGLE

User must use a license dongle to run DALIBuildings. The BETA license no longer applies.

## KNOWN ISSUES

DALIBuildings has the following known issues:

- Schedule Manager: currently scheduling a change to a Timer is not supported. Once this feature is enabled in the next release, user will be able to set a date and time for a Timer to be reconfigured automatically. This is useful for special occasions which require a once-off Timer change.
- TreeView does not auto-refresh when performing import from the TreeView's context menu.  
**Workaround:** please use the import feature from the toolbar (File > Import/Export) or simply restart the application.

We are actively working on a fix for this and will release an update as soon as possible.