





NIAGARA FORUM APAC | 9-10 SEPTEMBER 2025



**Sudhir Patil is the Founder and CEO of Leap Info Systems Pvt. Ltd., a Niagara Developer Partner and a pioneer in convergent building management and lighting automation technologies.**

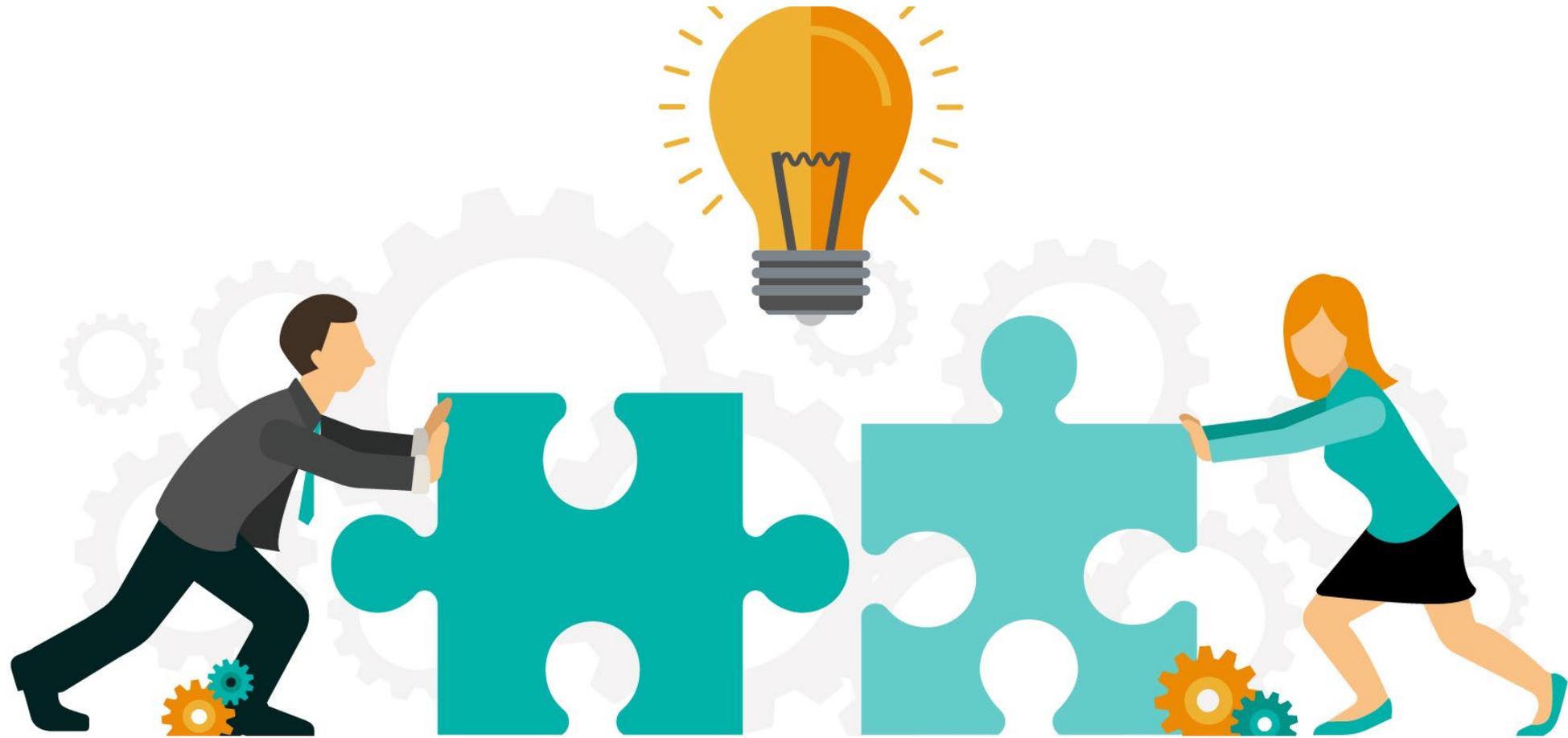
## **SUDHIR PATIL**

**FOUNDER & CEO**

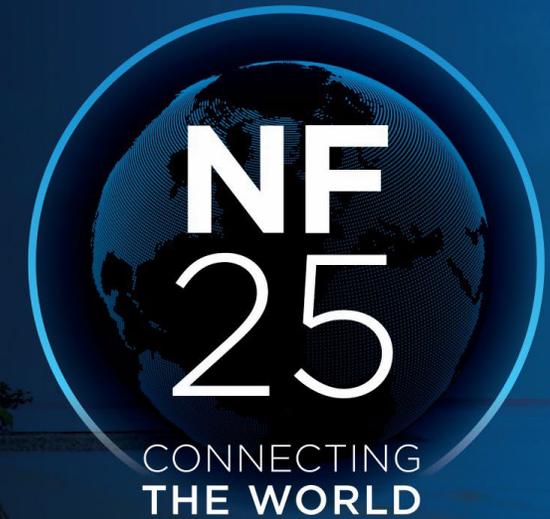
**Leap Info Systems Pvt. Ltd.**

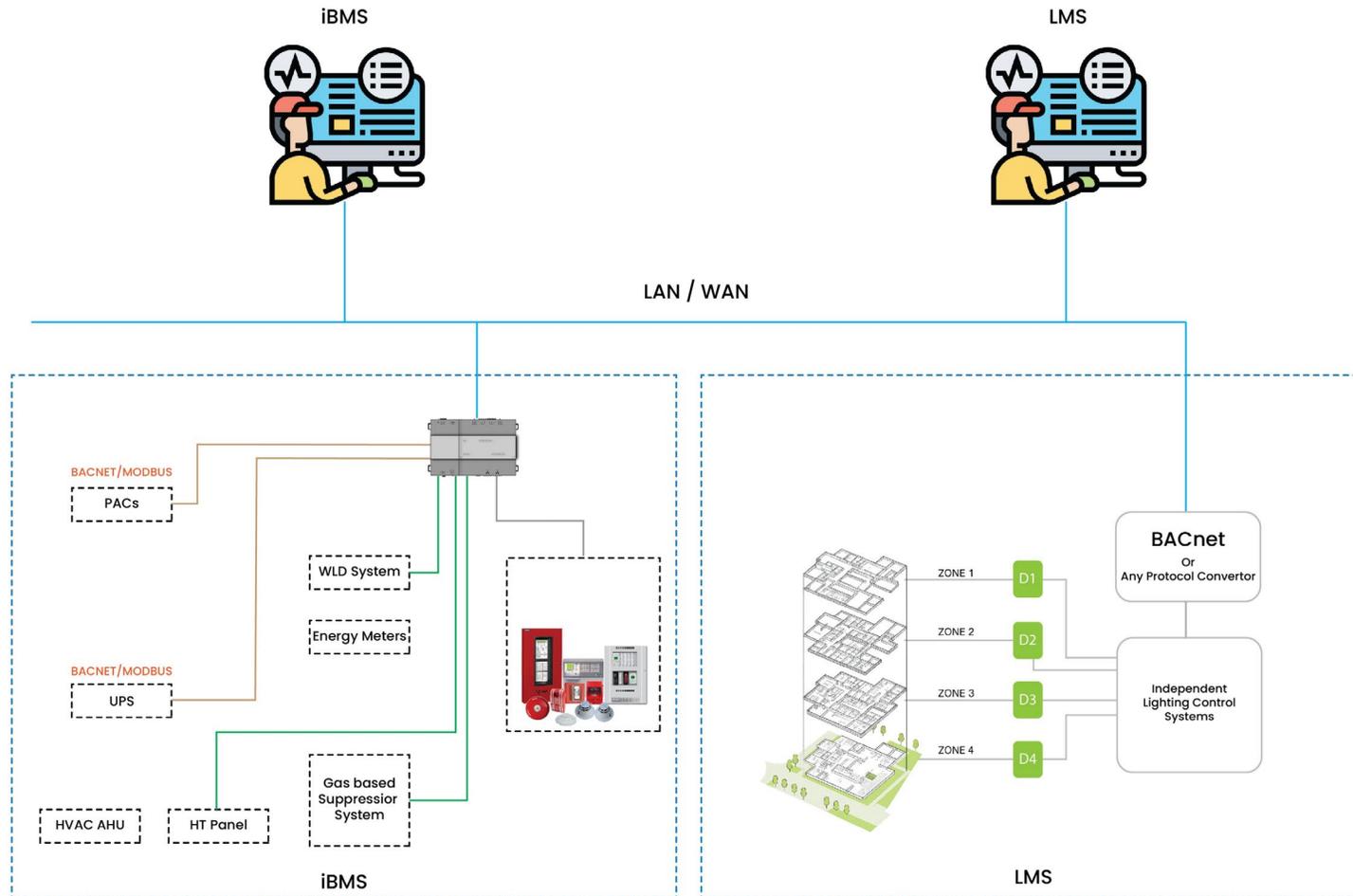
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# Breaking the Silos: Lighting Controls on the Niagara Framework



# Why Lighting Still Lives in Silos



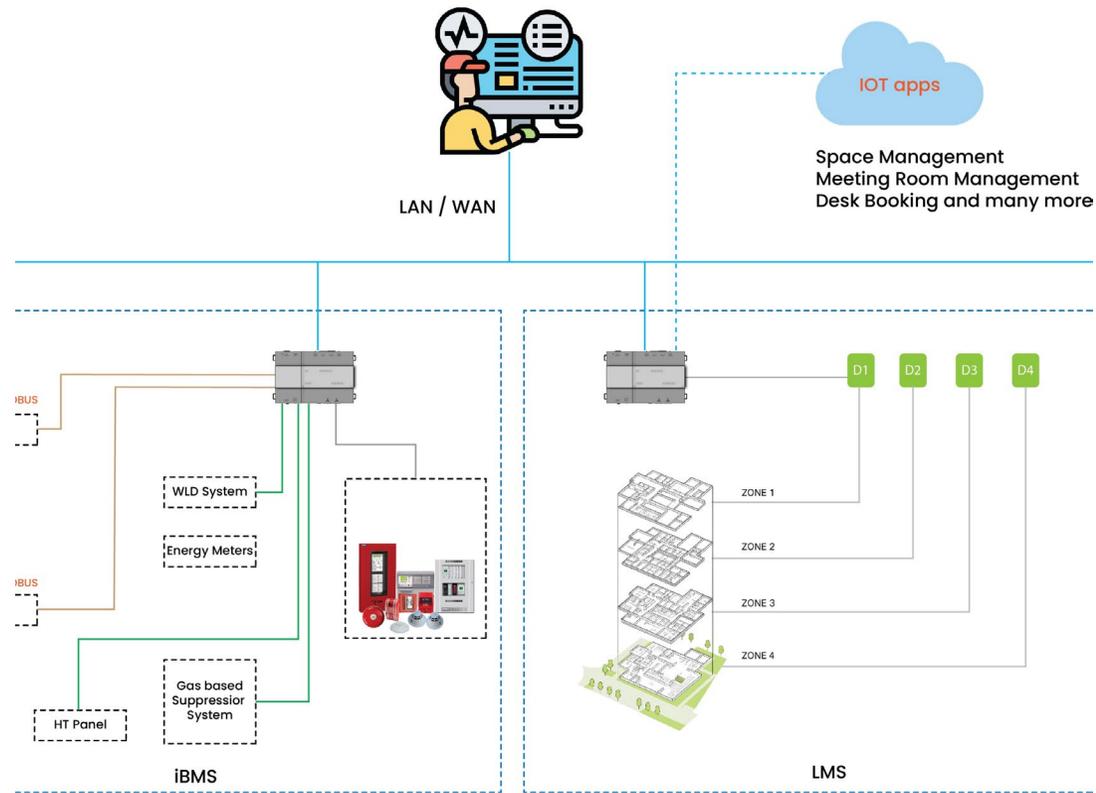


- Two silos = BMS + Lighting Controls (LMS)
- Double hardware, licenses & vendors
- Fragmented dashboards → data blind spots

# What It Means for Stakeholders

-  **Facility Managers:** juggling multiple interfaces
-  **Integrators:** longer engineering cycles
-  **Owners:** higher CAPEX & OPEX
-  **Operators:** limited analytics → poor decisions

# If Niagara talks to everything, let it talk to lighting



Convergence

=

Less friction, more intelligence

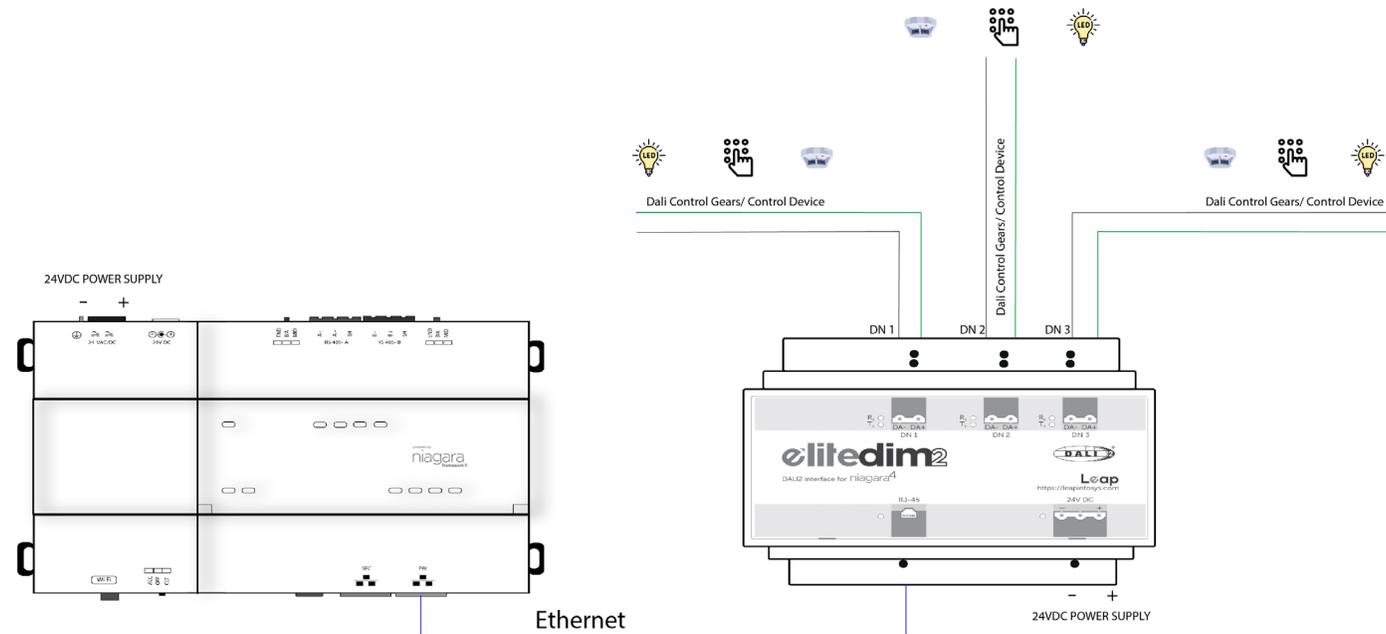
# Enabling Niagara as a Native Lighting Controller

**ENABLING  
NIAGARA**

**TO ALSO BECOME A  
LIGHTING CONTROLLER**

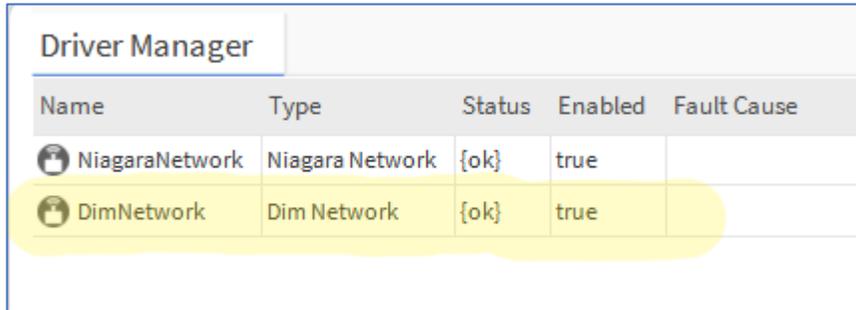


elitedim2 is LEAP's next-generation DALI-2 interface, designed to bring seamless, IP-based lighting control into the Niagara Framework.



# It's a same experience for Bacnet, Modbus and DALI

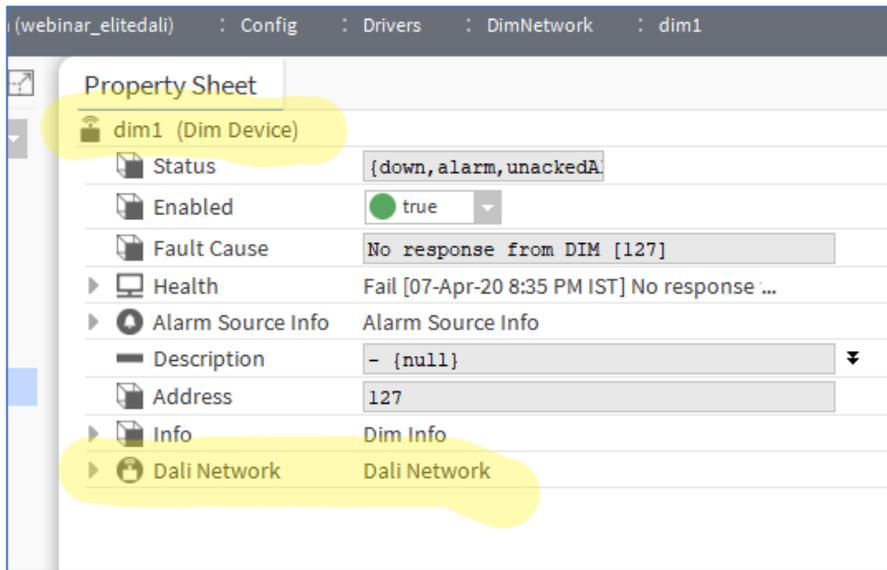
## 1. Add Dim Network



The screenshot shows a 'Driver Manager' window with a table of drivers. The 'DimNetwork' row is highlighted in yellow.

Name	Type	Status	Enabled	Fault Cause
NiagaraNetwork	Niagara Network	{ok}	true	
DimNetwork	Dim Network	{ok}	true	

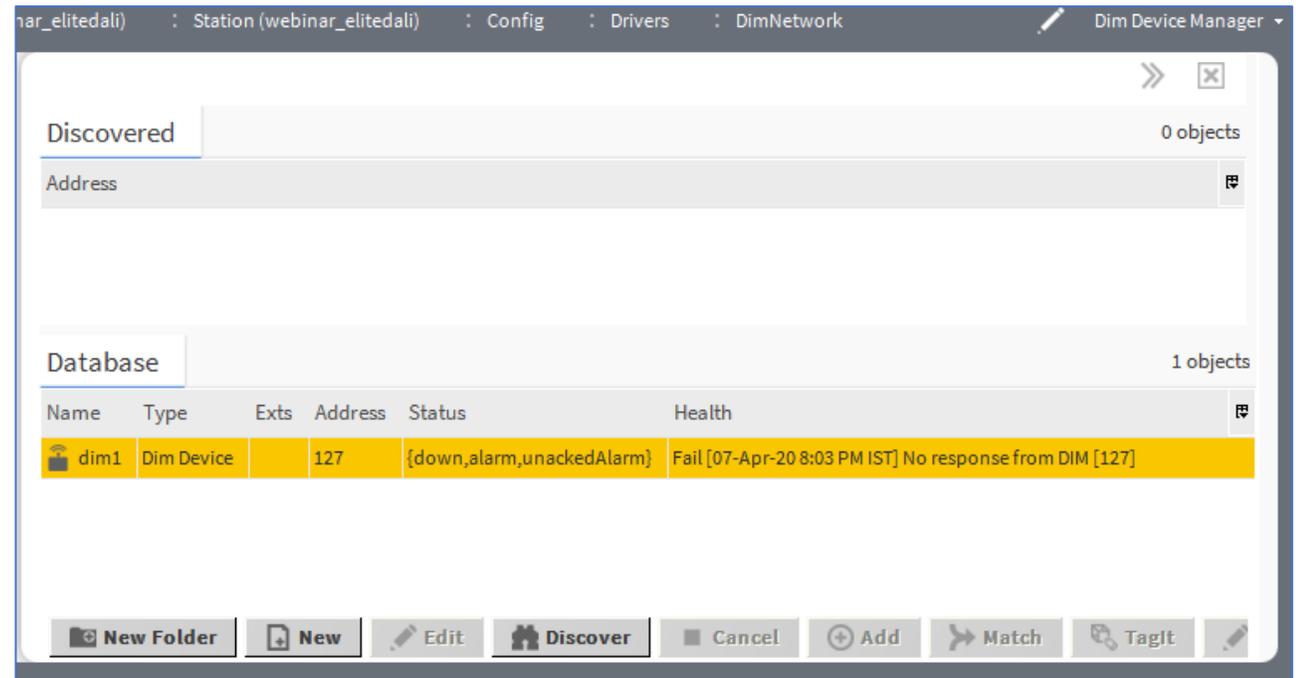
## 3. Dali Network will be added to Dim Device



The screenshot shows the 'Property Sheet' for a device named 'dim1 (Dim Device)'. The 'Dali Network' property is highlighted in yellow.

Property	Value
Status	{down, alarm, unackedA}
Enabled	true
Fault Cause	No response from DIM [127]
Health	Fail [07-Apr-20 8:35 PM IST] No response ...
Alarm Source Info	Alarm Source Info
Description	- {null}
Address	127
Info	Dim Info
Dali Network	Dali Network

## 2. Discover/Add Dim Devices



The screenshot shows the 'Dim Device Manager' interface. The 'Discovered' tab shows 0 objects. The 'Database' tab shows 1 object, 'dim1', which is highlighted in yellow. The 'Health' column for 'dim1' shows a failure message.

Name	Type	Exts	Address	Status	Health
dim1	Dim Device		127	{down, alarm, unackedAlarm}	Fail [07-Apr-20 8:03 PM IST] No response from DIM [127]

# It's a same experience for Bacnet, Modbus and DALI

## 4. Add Dali Group Folders

Database 3 objects

Name	Type	Address	Status	Health	Location
Group1	Dali Group Folder	G1	0 devices		
Group2	Dali Group Folder	G2	0 devices		
Group3	Dali Group Folder	G3	0 devices		

Buttons: Add New DALI Group, New, Edit, Discover, Cancel, Add, Address DALI Net

## 5. Discover/Add Dali Devices into Dali Network or Dali Group

tedali) : Config : Drivers : DimNetwork : dim1 : Dali Network : Group1 Dali Network Manager

Discovered 0 objects

Address	Device Type	Status
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Database 5 objects

Name	Type	Address	Status	Health	Location
LED	LED	1	{ok}	Ok [07-Apr-20 8:09 PM IST]	
LED1	LED	2	{ok}	Ok [07-Apr-20 8:09 PM IST]	
LED2	LED	3	{ok}	Ok [07-Apr-20 8:09 PM IST]	
LED3	LED	4	{ok}	Ok [07-Apr-20 8:09 PM IST]	
LED4	LED	5	{ok}	Ok [07-Apr-20 8:09 PM IST]	

Buttons: Add New DALI Group, New, Edit, Discover, Cancel, Add, Address DALI Net

# It's a same experience for Bacnet, Modbus and DALI

## Control Components included in elitedali

- Constant Light Controller Direct
- Occupancy Controller Direct
- Occupancy Controller Command
- Scene Select Command
- Simple Command Controller
- Simple Direct Level Controller

The screenshot shows the elitedali3KitControl software interface. The top bar displays 'My Host: LEAPMAYUR-E490 (demo\_0001) : Station (demo\_0001) : Config : Zone\_1'. The left pane shows a 'Palette' with a search bar containing 'elitedali3KitControl'. Below the search bar is a tree view of control components:

- DaylightHarvesting
  - ConstantLightControlDirect
- SceneDimmer
  - SceneSelectCommand
  - SceneDimmerDirect
  - SceneDimmerOverrideDirect
  - OnOffDimmerOverrideDirect
  - SingleSwitchOverrideDirect
  - SimpleCommandController
  - SimpleDirectLevelController
- SensorController
  - OccupancyControllerDirect
  - OccupancyControllerCommand
  - OccupancyTimeout
  - OccupancyConcentrator
  - LuxConcentrator
  - LuxRangeController
- Commissioning
  - ZoneConfigurator
  - NetworkConfigurator
- Report
  - NetworkReport
- Energy
  - EnergyCalc

The right pane is titled 'Wire Sheet' and contains two tables on a grid background:

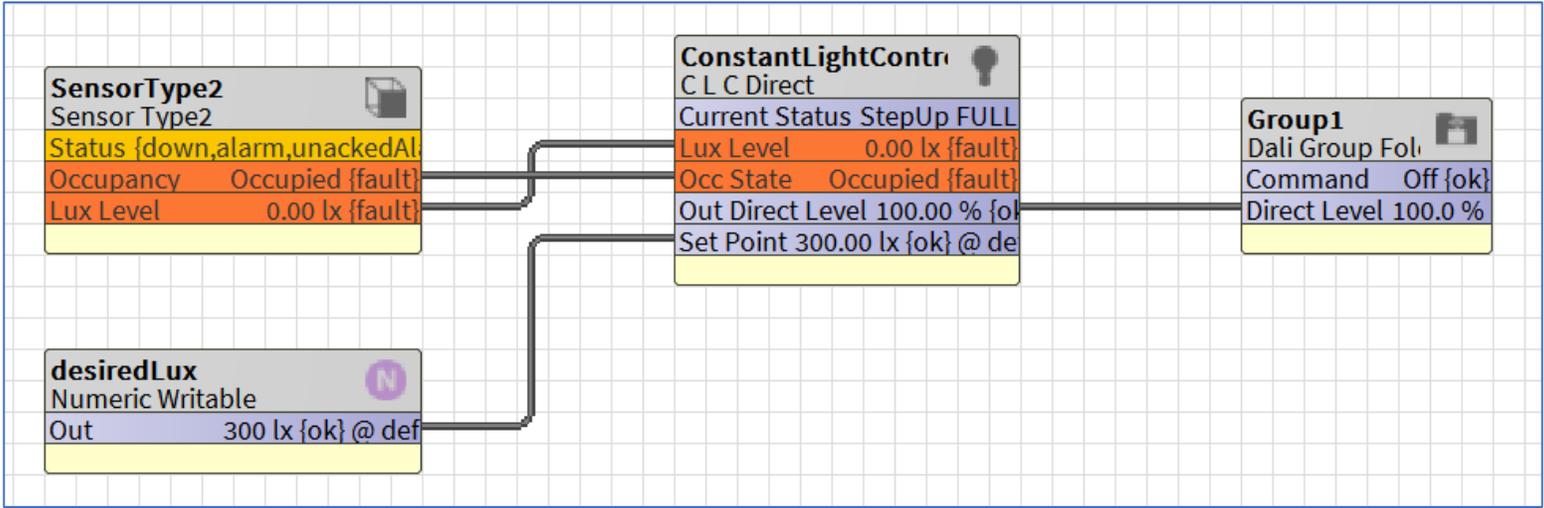
SceneDimmerOverrideDirect	
Scene Dimmer Override Direct	
Out Direct Level	0.00 % {ok}
In Direct Level	0 % {ok}
In Occupancy	- {null}
Goto Scene1	false {ok}
Goto Scene2	false {ok}
Dim Up	false {ok}
Dim Down	false {ok}

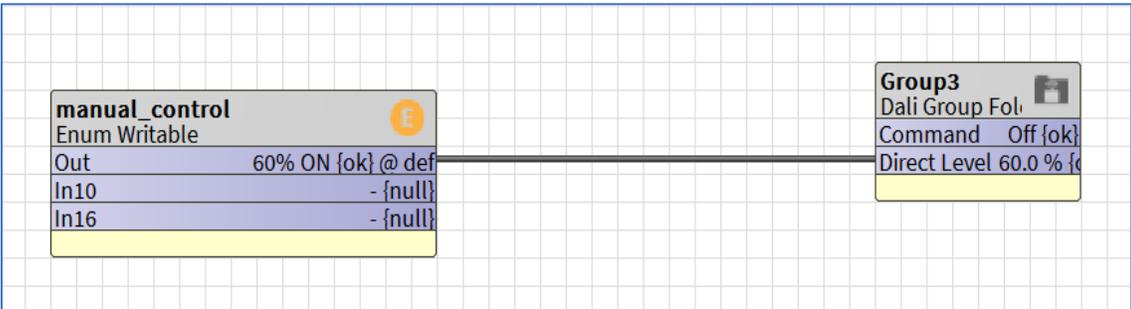
OnOffDimmerOverrideDirect	
On Off Dimmer Override Direct	
Out Direct Level	0.00 % {ok}
Dim Up On	false {ok}
Dim Down Off	false {ok}

# It's a same experience for Bacnet, Modbus and DALI

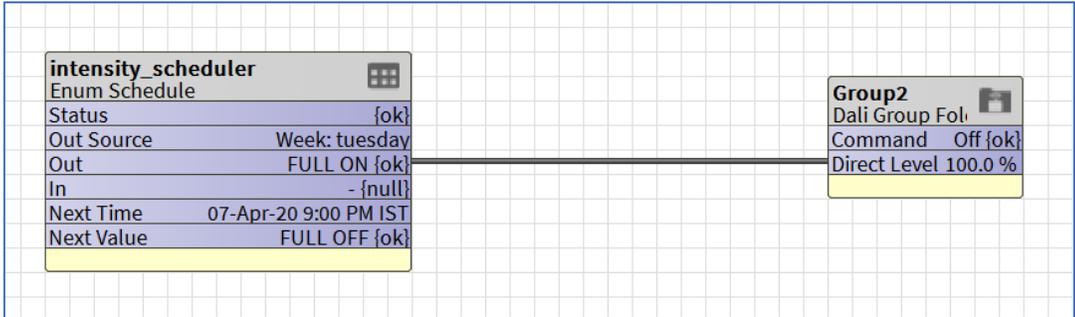
## Dynamic Daylight Harvesting



## Manual Control



## Intensity Scheduler



# Explore the Converged Way

- Visit the LEAP booth for live demos
- Try elitedali & elitedim2 demo kits
- Partner with LEAP to unlock Niagara-native lighting

# Leap

TRIDIUM

Breaking the Silos, Building Smarter  
Together

THANK YOU



SUDHIR PATIL

FOUNDER & CEO

Leap Info Systems Pvt. Lt

