

SNAP4LIGHT



Flexible and reliable Smart Light Management System

Multi-tenant, any platform



ENERGY SAVING



FAULT DETECTION & ALERTS



AUTOMATED CONTROL



ENVIRONMENT



REAL TIME MONITORING



RETAIL & SERVICES



MONITOR & CONTROL

Live lighting status



Luminaires



Cabinets



Energy use



Individual & group control



AUTOMATE & DETECT

Adaptive dimming



Schedules • Traffic • Presence

Fault alerts



Inspect luminaire



OPTIMIZE & ASSIST



Energy & service performance



Compare trends. Refine lighting policies.



SnapAdvisor Copilot



How can we reduce energy use?



Review traffic, dimming profiles and energy KPIs.



Lighting data



Maintenance history



GIS dashboards • Remote control • Energy KPIs



Lighting profiles • Alarms • Maintenance



Energy analytics • AI-assisted decisions



One platform for luminaires, cabinets and lighting operations.
Open integration: LoRaWAN • NB-IoT • DALI-2 • MQTT • REST APIs



01

MONITOR

What is happening now?

Monitor luminaires and cabinets, energy consumption, operating status and faults in real time through GIS-based dashboards.



02

CONTROL

Manage individual lights or entire areas.

Remotely control individual or groups of luminaires, switch lights on/off and manage configurations and multicast groups.



03

AUTOMATE

Right light. Right place. Right time.

Program dimming profiles and automatically adapt lighting according to schedules, traffic, pedestrians, weather and events.



04

DETECT

Find problems before they impact the service.

Real-time fault detection and alarms identify problems affecting luminaires and cabinets and support maintenance activities.



05

OPTIMIZE

Reduce energy while maintaining lighting quality.

Use energy analytics, adaptive lighting and AI-driven optimization to improve efficiency, support dark-sky strategies and reduce unnecessary lighting.

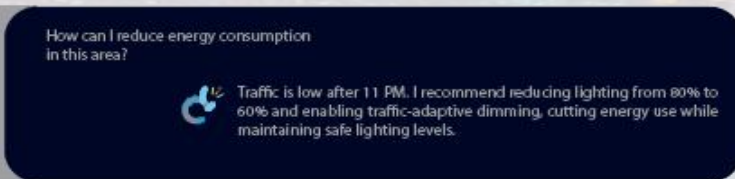


06

ASSIST

Ask the lighting system. Get answers.

SnapAdvisor interacts with lighting data, alarms, energy KPIs, maintenance history and technical documentation to explain anomalies and recommend actions.



• Snap4Light sustainable and reliable

- monitoring and controlling luminaires
- reducing energy consumption
- avoiding vendor lock-in, open technologies.

• Snap4Light integrates

- luminaires, cabinets, energy data,
- IoT networks, traffic, people presence, weather
- Any other city information into a unified operational environment, enabling real-time monitoring, automated control and data-driven decision making.

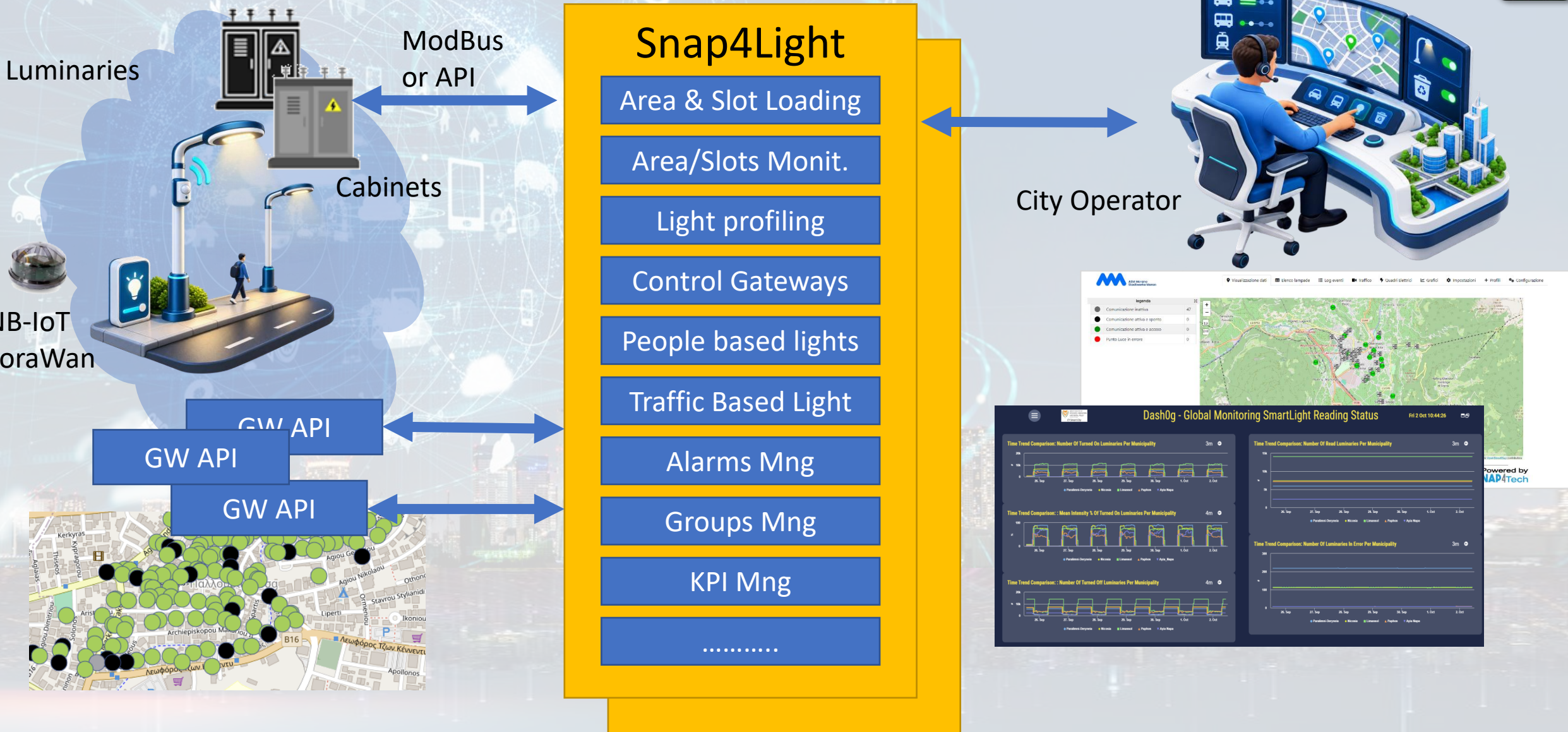
• Snap4Light dashboards and panels, the operators monitor and manage

- multiuser, multi-tenant environment.

• Snap4Light service management including profiles and policy modalities for the different zones

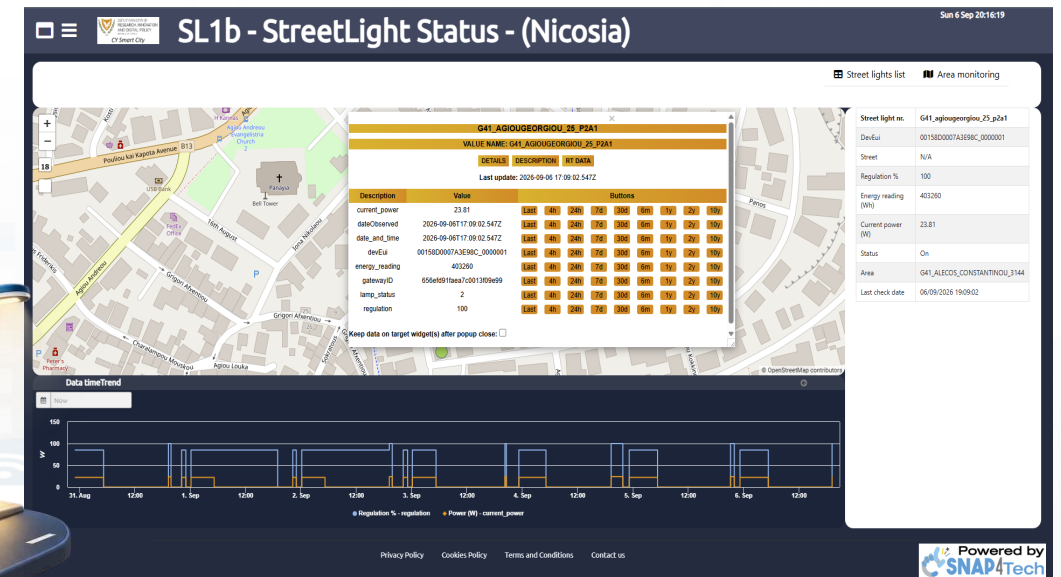
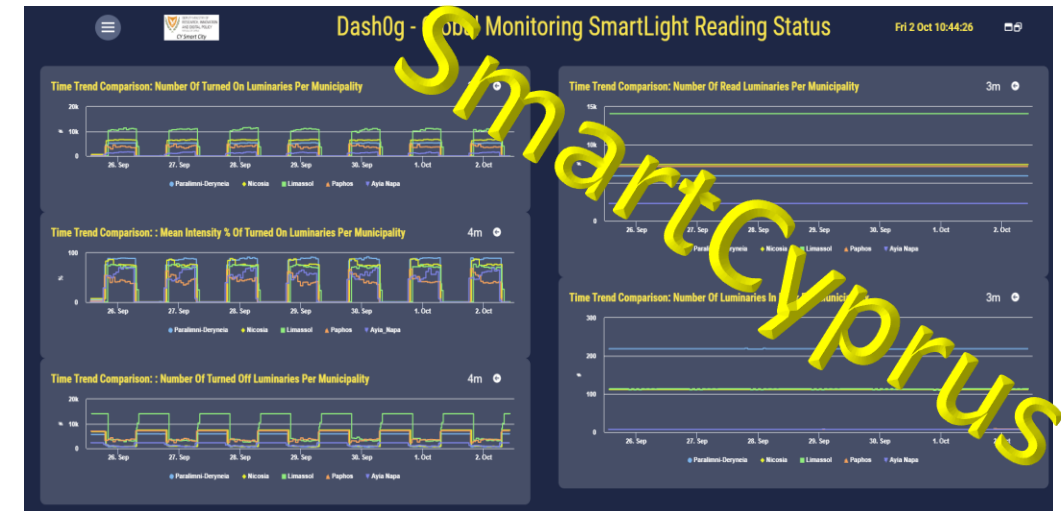
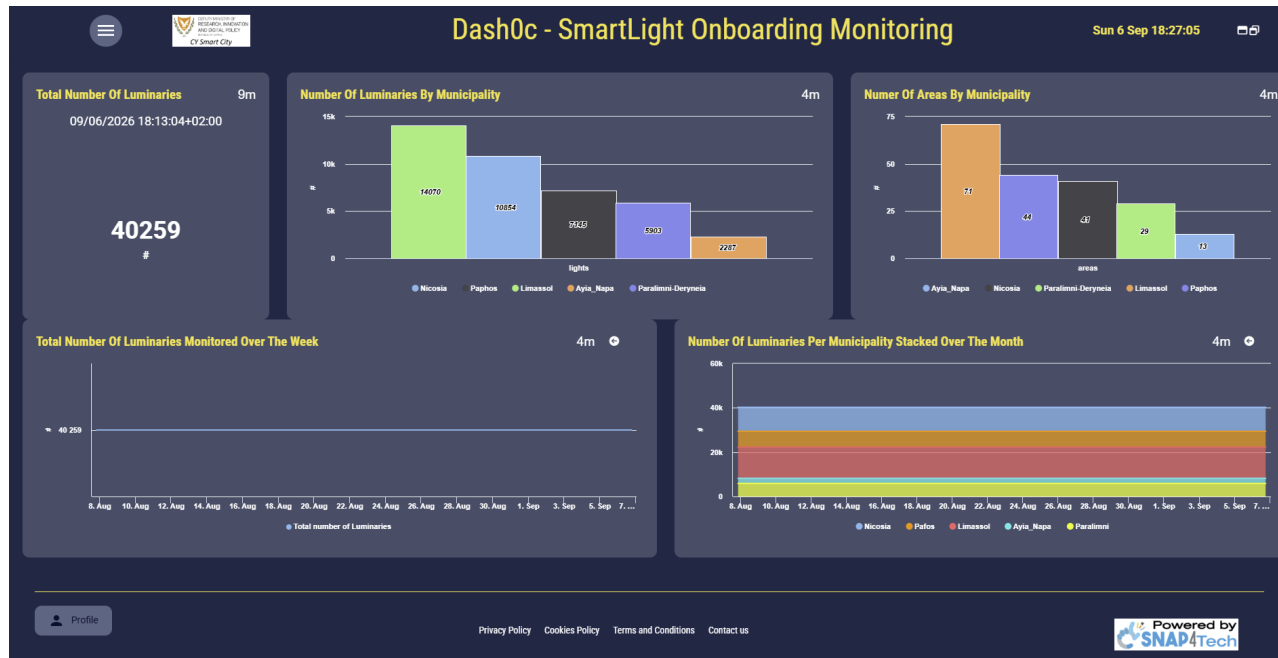
- Support mixt of LED dimerable and old technology luminaries connected at the same cabinets.

Snap4Light Smart Light Management System



- **Smart Light monitoring: Cyprus 5 distinct Municipalities**
 - Multi-tenant, multi-domain platform
 - KPI, optimisation, energy planning and control, etc.
 - Event reporting, interoperability with Multiple Energy Operators
 - Real time KPI, statistic, error reporting, NBloT, ..
 - In operation since 2026 on more than 40.000 luminaries
- **Smart Light Management: Merano**
 - Server Side, gateways LoraWAN, DALI, etc.
 - Managing diming profiles, groups programming
 - Supporting Traffic Adaptive Installation, TAI
 - >1.000 luminaries, in operation since several years





Smart Light real time control

- status Luminaries
- KPIs on smart light
- Energy consumption





Total Number Of Luminaries

9m

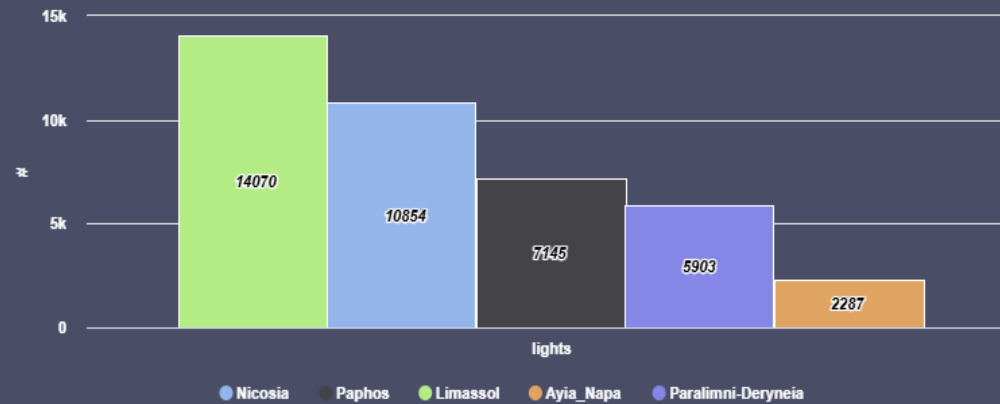
09/06/2026 18:13:04+02:00

40259

#

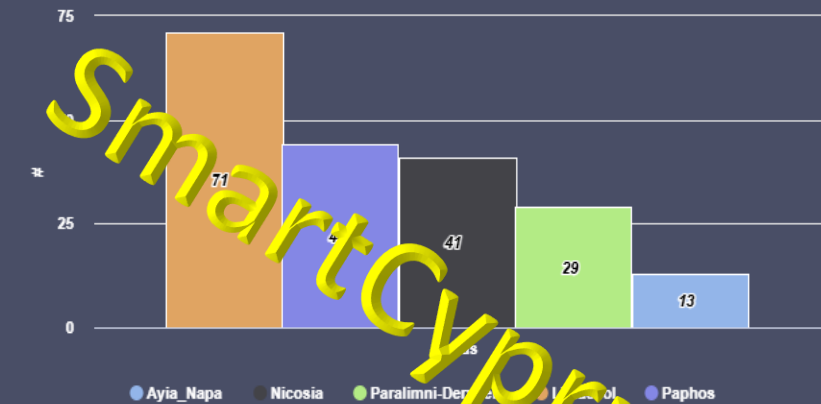
Number Of Luminaries By Municipality

4m



Numer Of Areas By Municipality

4m



Total Number Of Luminaries Monitored Over The Week

4m

01

MONITOR

What is happening now?

Monitor luminaires and cabinets, energy consumption, operating status and faults in real time through GIS-based dashboards.

02

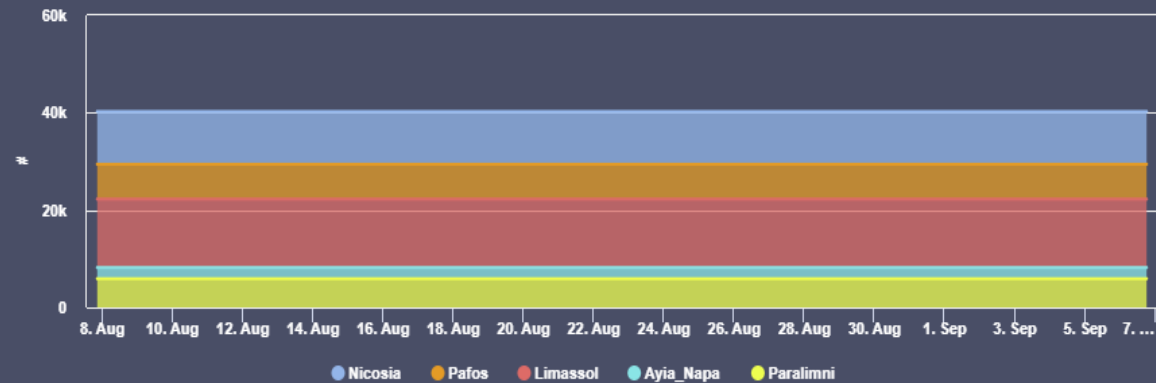
CONTROL

Manage individual lights or entire areas.

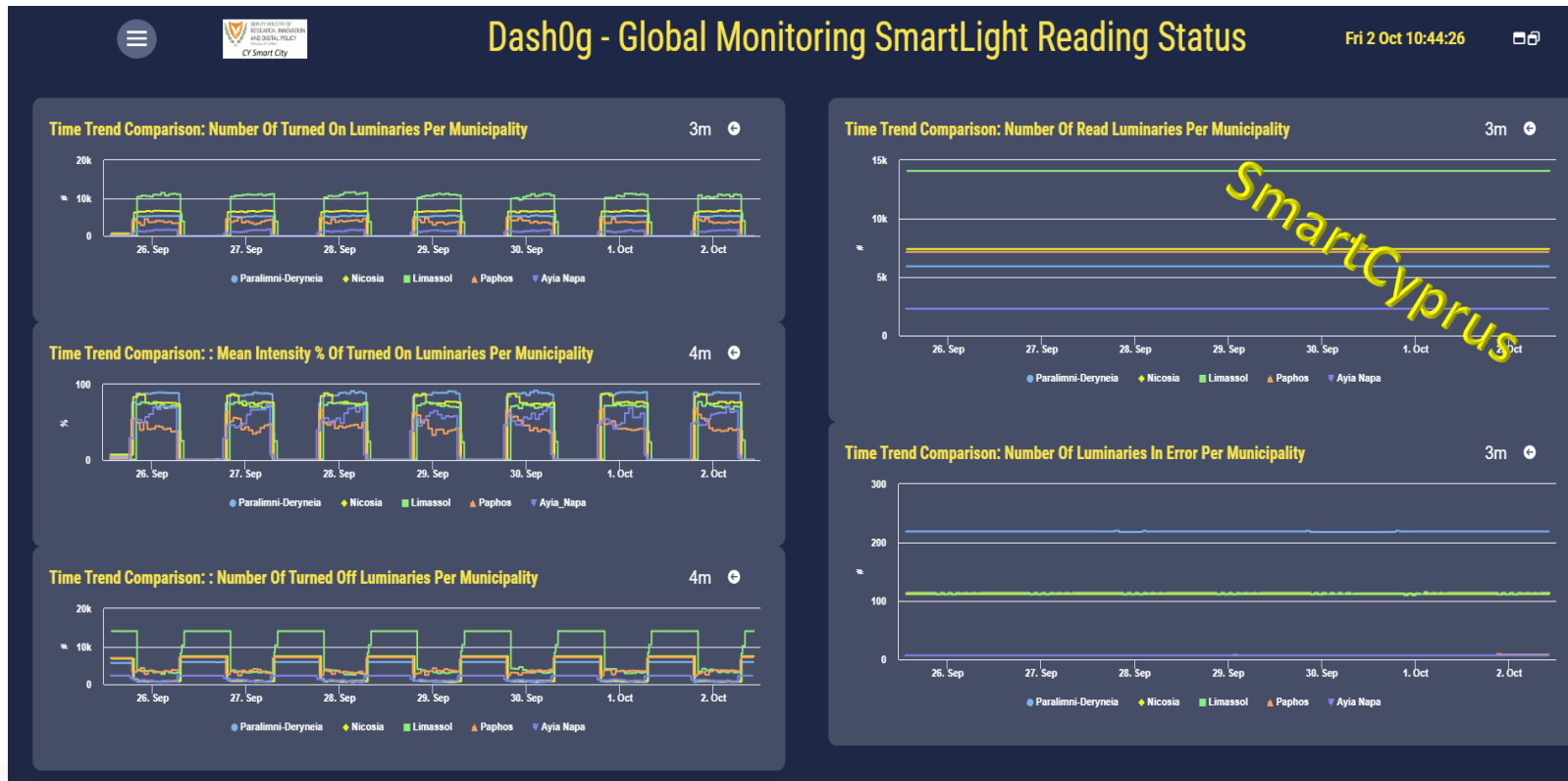
Remotely control individual or groups of luminaires, switch lights on/off and manage configurations and multicast groups.

Number Of Luminaries Per Municipality Stacked Over The Month

4m



Energy and service performance in view



Track consumption

Review energy trends by asset or area.

Investigate faults

Use alarms and status history to support maintenance.

Reporting gives operators evidence for lighting policy decisions.





SL3 - Areas monitoring - (Nicosia)

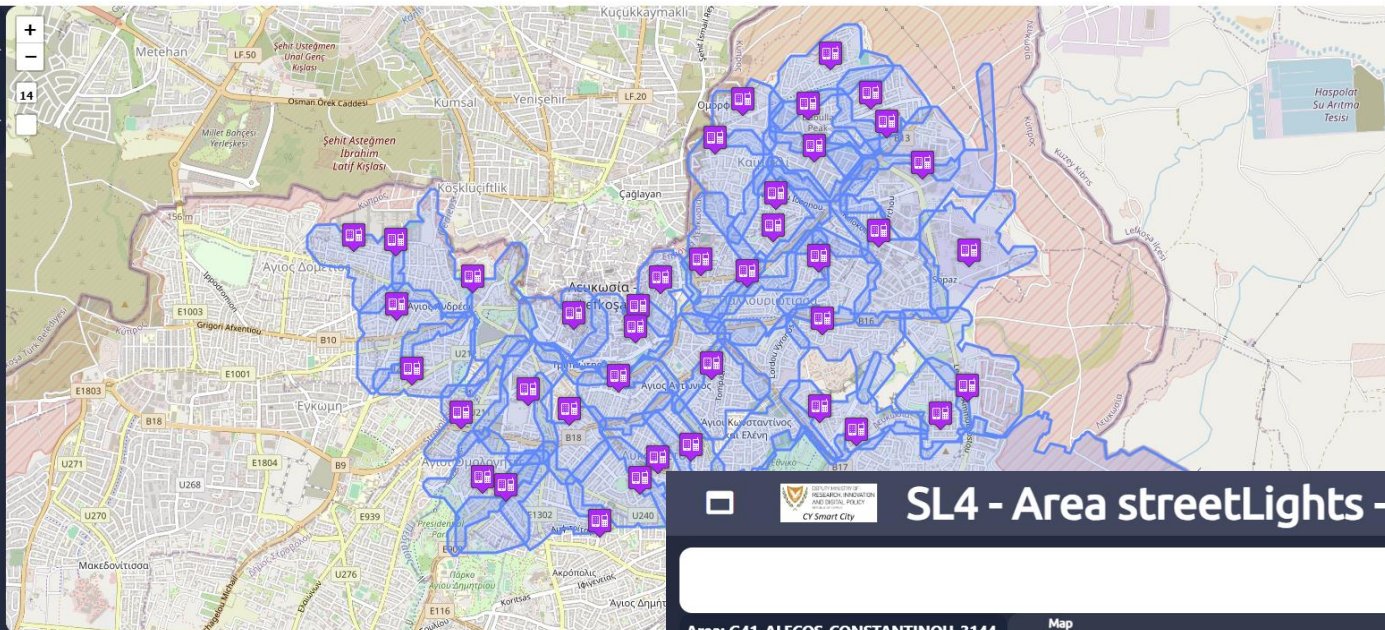
Sun 6 Sep 18:31:38

Street lights list

Area monitoring

Areas

Gateways



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01

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SL4 - Area streetLights - (Nicosia)

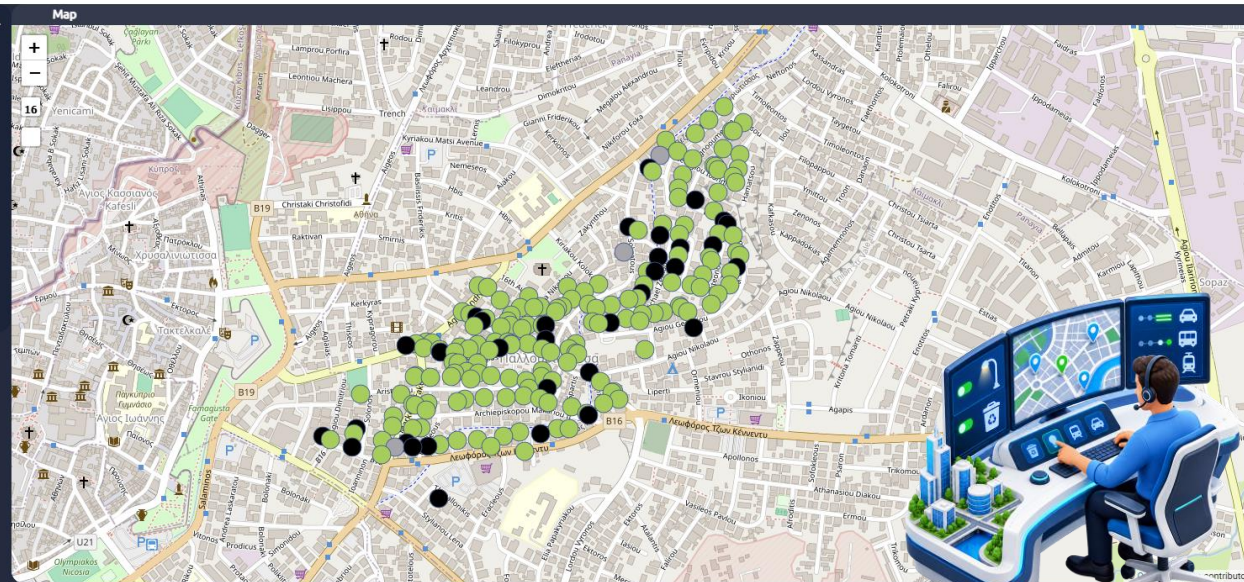
Sun 6 Sep 20:15:00

Street lights list

Area monitoring

Area: G41_ALECOS_CONSTANTINOU_3144

Total	202
● On	165
● Off	34
● Inactive	3



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SmartCyprus

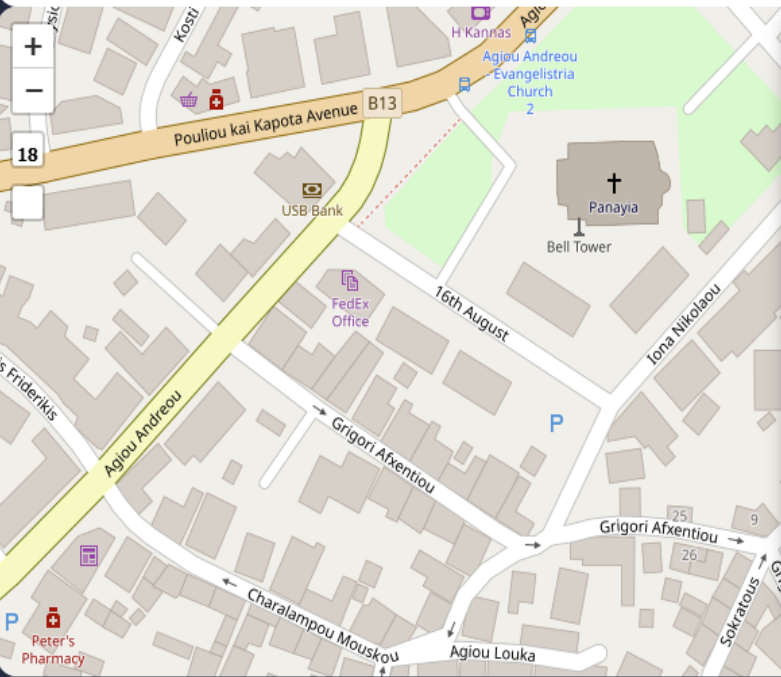




SL1b - StreetLight Status - (Nicosia)

SmartCyprus

Street lights list Area monitoring



G41_AGIOUGEORGIOU_25_P2A1

VALUE NAME: G41_AGIOUGEORGIOU_25_P2A1

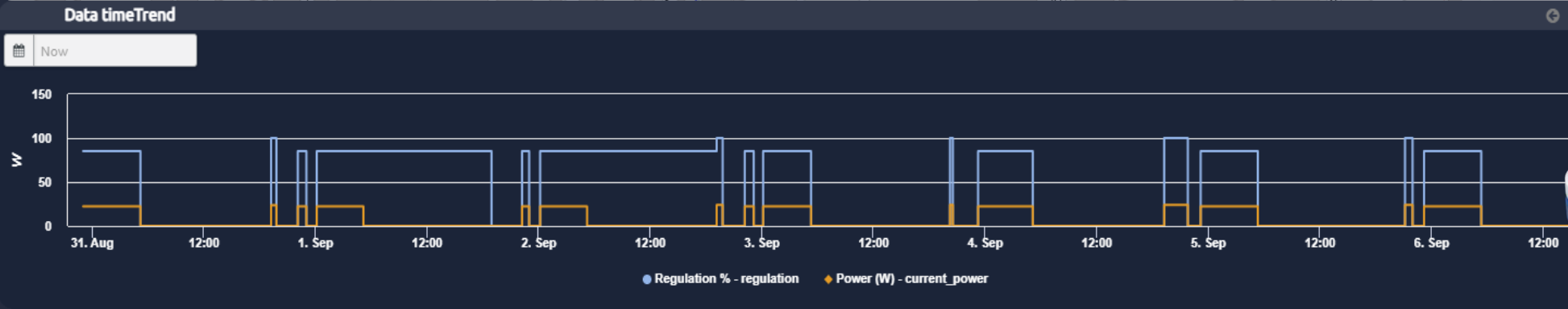
DETAILSDESCRIPTIONRT DATA

Last update: 2026-09-06 17:09:02.547Z

Description	Value	Buttons									
current_power	23.81	Last	4h	24h	7d	30d	6m	1y	2y	10y	
dateObserved	2026-09-06T17:09:02.547Z	Last	4h	24h	7d	30d	6m	1y	2y	10y	
date_and_time	2026-09-06T17:09:02.547Z	Last	4h	24h	7d	30d	6m	1y	2y	10y	
devEui	00158D0007A3E98C_00000001	Last	4h	24h	7d	30d	6m	1y	2y	10y	
energy_reading	403260	Last	4h	24h	7d	30d	6m	1y	2y	10y	
gatewayID	656efd91faea7c0013f09e99	Last	4h	24h	7d	30d	6m	1y	2y	10y	
lamp_status	2	Last	4h	24h	7d	30d	6m	1y	2y	10y	
regulation	100	Last	4h	24h	7d	30d	6m	1y	2y	10y	

Keep data on target widget(s) after popup close: ☐

Street light nr.	G41_agiougeorgiou_25_p2a1
DevEui	00158D0007A3E98C_00000001
Status	N/A
Regulation %	100
Energy reading (Wh)	403260
Current power (W)	23.81
Status	On
Area	G41_ALECOS_CONSTANTINOY_3144
Last check date	06/09/2026 19:09:02





Street lights list

Area monitoring

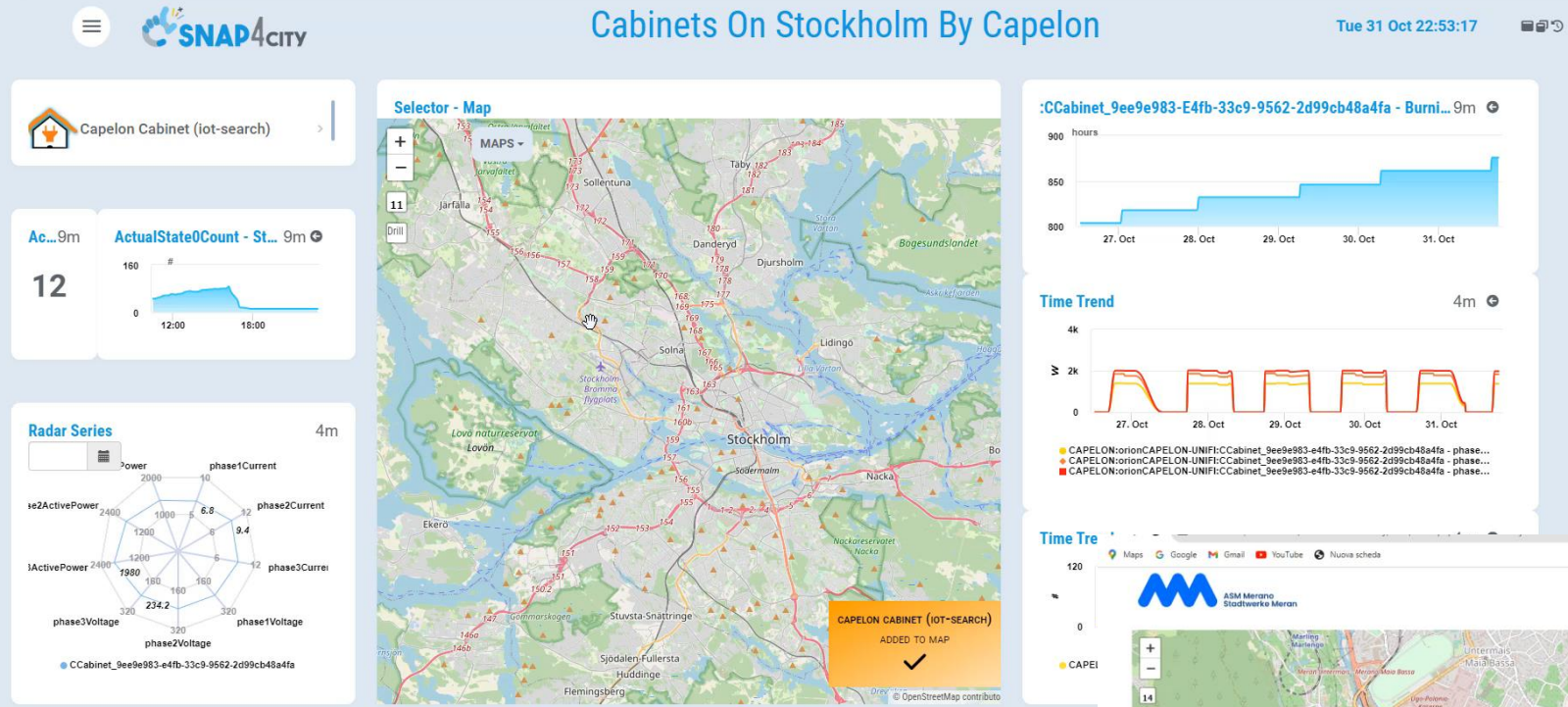
Refresh

Download inactive nodes csv

Show 50 entries

StreetLight ID	Regulation (%)	Energy reading (Wh)	Current power (W)	Status	DevEui	Area	Date and Time
StreetLight ID x	Regulation x			On x		Area x	
_G30_IASONOS_90WATT_C2	85	14450	1.181	●	00158D0007A3CFDF_0000001	G30_HADJIDHAKIS_STR	12/09/2026 22:05:49
_G30_IASONOS_90WATT_C3	85	14340	1.174	●	00158D0007A3C4BA_0000001	G30_HADJIDHAKIS_STR	12/09/2026 22:14:06
_G30_IASONOS_90WATT_C4	85	901020	70.28	●	00158D0007A3C43C_0000001	G30_HADJIDHAKIS_STR	12/09/2026 22:07:08
G10_AIAKOU_25W_P1	85	274140	22.75	●	00158D0007A3AB46_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:07:10
G10_AIAKOU_25W_P2	85	273960	22.64	●	00158D0007A3BCB6_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:07:10
G10_AIAKOU_25W_P3	85	274900	22.54	●	00158D0007A3BEE7_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:08:28
G10_ANDREA_TSOURI_25W_P1	85	270770	22.17	●	00158D0007A3D0E5_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:05:21
G10_ANDREA_TSOURI_25W_P2	85	275190	22.58	●	00158D0007A3B31A_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:08:00
G10_ANDREA_TSOURI_25W_P3	85	273690	22.32	●	00158D0007A3EBA2_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:14:58
G10_ANDREA_TSOURI_25W_P4	85	272140	22.31	●	00158D0007A3DEA8_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:14:46
G10_ANDREA_TSOURI_25W_P5	85	276340	22.55	●	00158D0007A3DB95_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:14:54
G10_ARCH_MAKARIOU_2_25W_P1	85	277670	22.85	●	00158D0007A3DE9D_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:06:07
G10_ARCH_MAKARIOU_2_25W_P3	85	275200	22.56	●	00158D0007A3FD2B_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:14:07
G1	01 MONITOR What is happening now? Monitor luminaires and cabinets, energy consumption, operating status and faults in real time through GIS-based dashboards.	271100	22.01	●	00158D0007A3D9CE_0000001	G10_FREDERIC_UNI_SS8211	
G1		274690	22.46	●	00158D0007A3E7CE_0000001	G10_FREDERIC_UNI_SS8211	
G1		15310	1.157	●	00158D0007A3C602_0000001	G10_FREDERIC_UNI_SS8211	
G1		275140	22.86	●	00158D0007A3AFEE_0000001	G10_FREDERIC_UNI_SS8211	
G1	02 CONTROL Manage individual lights or entire areas. Remotely control individual or groups of luminaires, switch lights on/off and manage configurations and multicast groups.	270120	22.39	●	00158D0007A3B13A_0000001	G10_FREDERIC_UNI_SS8211	
G1		268750	22.21	●	00158D0007A3EA11_0000001	G10_FREDERIC_UNI_SS8211	
G1		272690	22.78	●	00158D0007A3EBA3_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:04:59
G10_CHAR_PILAKOUTA_45W_P5	85	456700	37.32	●	00158D0007A3B17B_0000001	G10_FREDERIC_UNI_SS8211	12/09/2026 22:07:09





Smart Light Management

- 03**

AUTOMATE

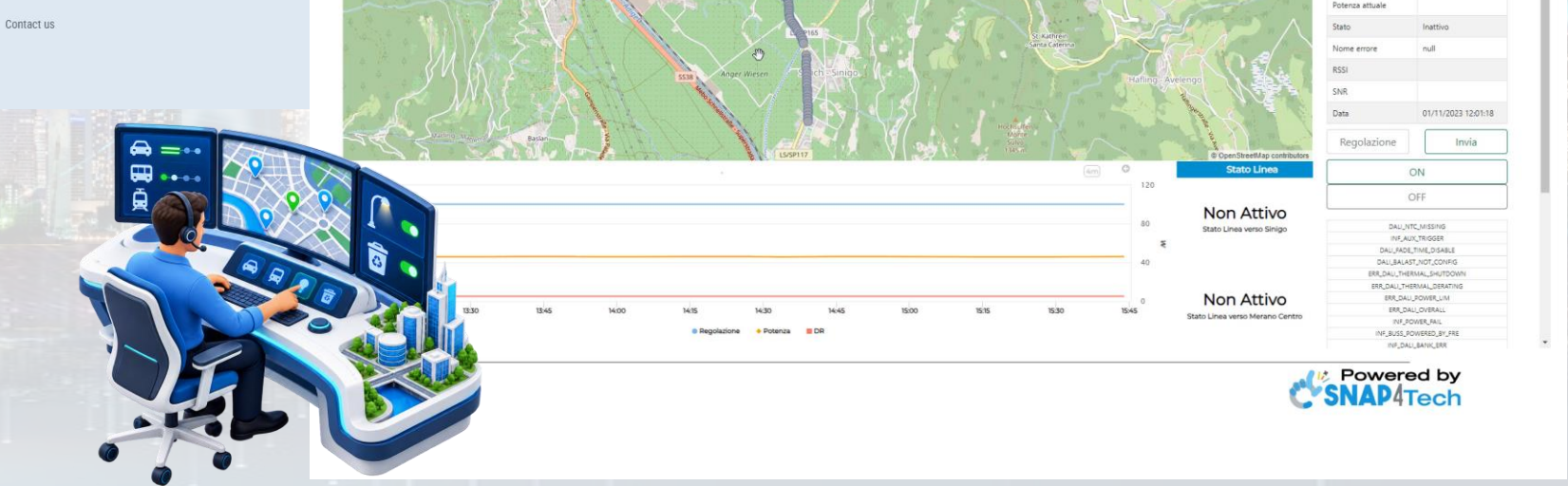
Right light. Right place. Right time.

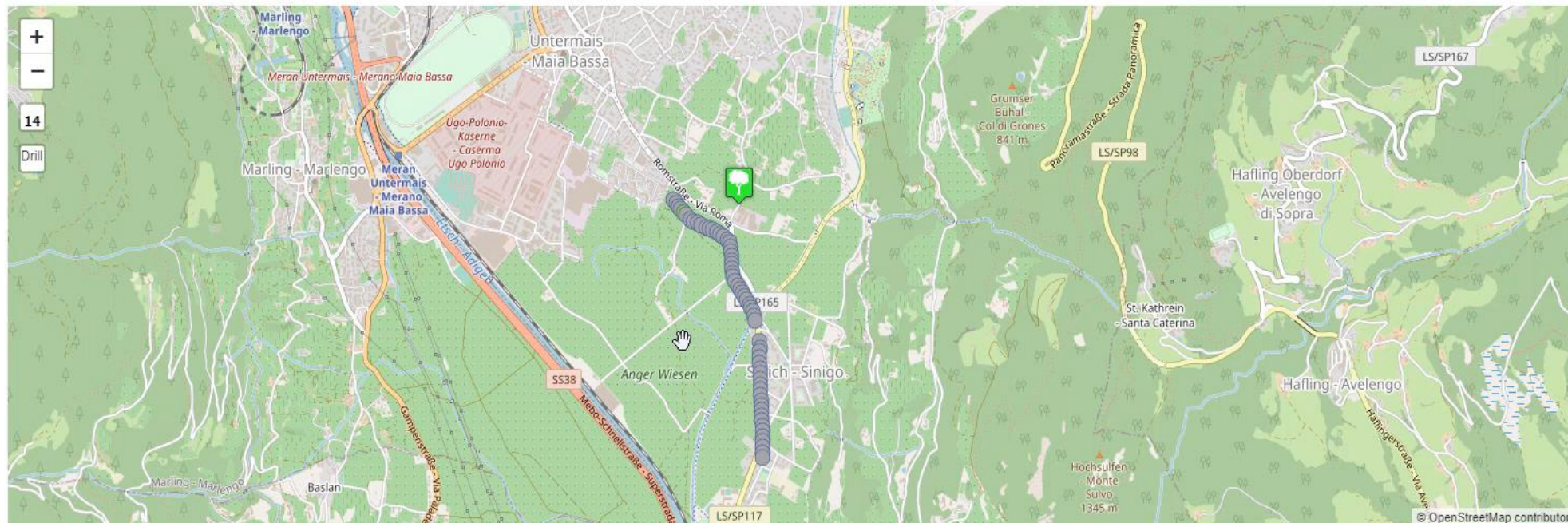
Program dimming profiles and automatically adapt lighting according to schedules, traffic, pedestrians, weather and events.
- 04**

DETECT

Find problems before they impact the service.

Real-time fault detection and alarms identify problems affecting luminaires and cabinets and support maintenance activities.





N. Punto Luce	11307
DevEui	70B3D5BF100085D7
Via	RomStraße
Regolazione	
Ore di servizio	
Conta energia	
Potenza attuale	
Stato	Inattivo
Nome errore	null
RSSI	
SNR	
Data	01/11/2023 12:01:18

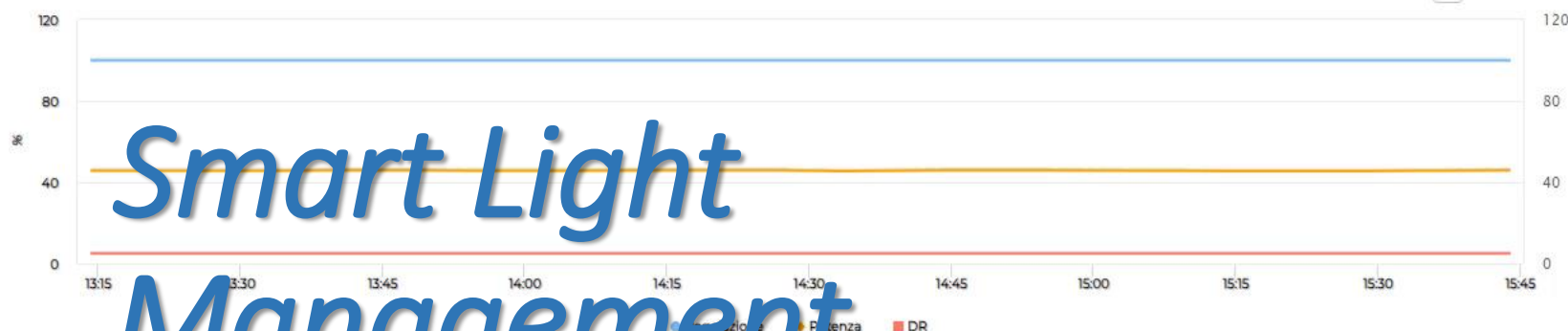
Regolazione

Invia

ON

OFF

DAU_NTC_MISSING
INF_AUX_TRIGGER
DALI_FADE_TIME_DISABLE
DALI_BALAST_NOT_CONFIG
ERR_DALI_THERMAL_SHUTDOWN
ERR_DALI_THERMAL_DERATING
ERR_DALI_POWER_LIM
ERR_DALI_OVERALL
INF_POWER_FAIL
INF_BUSS_POWERED_BY_FRE
INF_DALI_BANK_ERR



Non Attivo

Stato Linea verso Sinigo

Non Attivo

Stato Linea verso Merano Centro

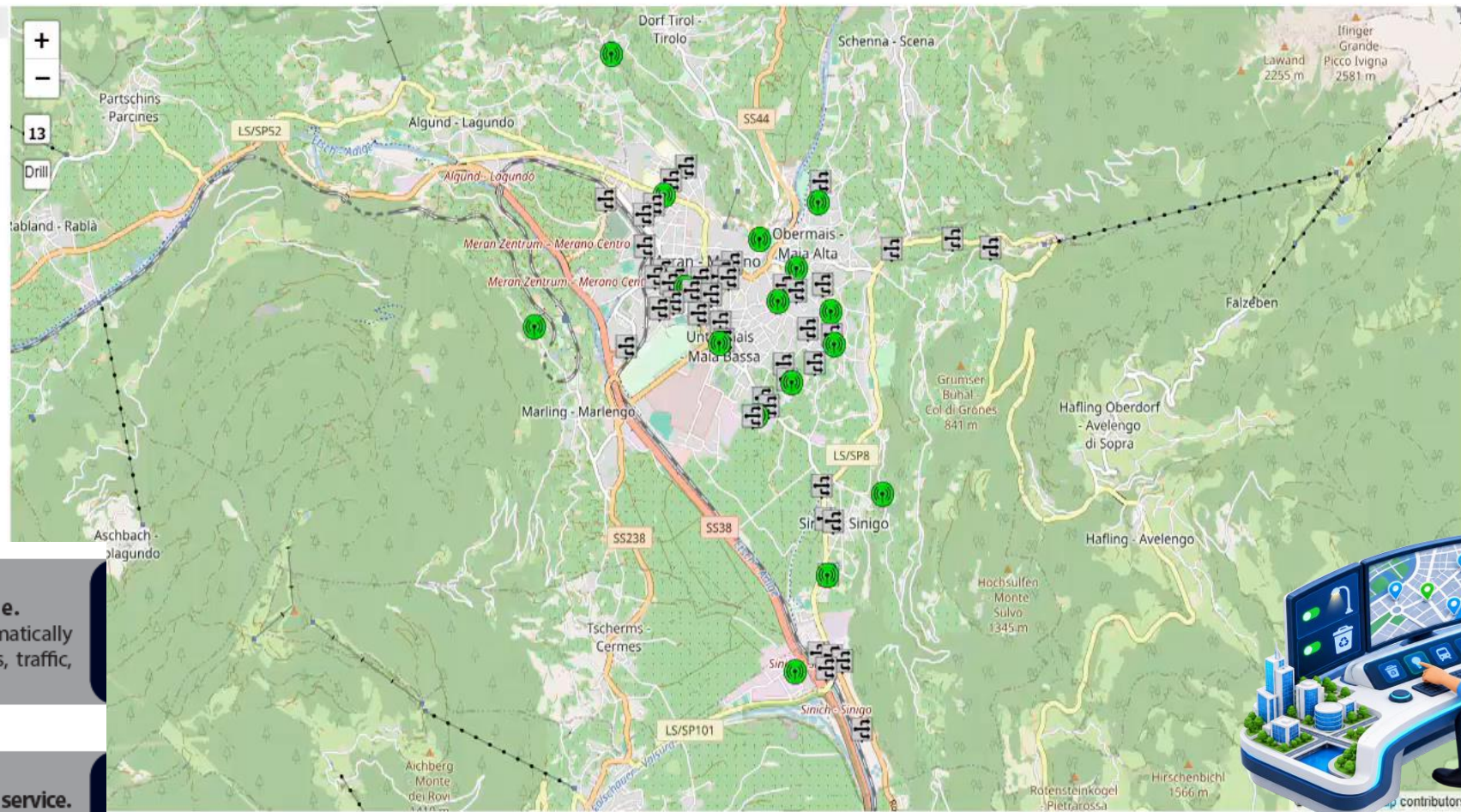
Smart Light
Management



- Visualizzazione dati
- Elenco lampade
- Log eventi
- Traffico
- Quadri Elettrici
- Grafici
- Impostazioni
- Profili
- Configurazione

legenda

●	Comunicazione inattiva	47
●	Comunicazione attiva e spento	0
●	Comunicazione attiva e acceso	0
●	Punto Luce in errore	0



03

AUTOMATE

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DETECT

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Real-time fault detection and alarms identify problems affecting luminaires and cabinets and support maintenance activities.



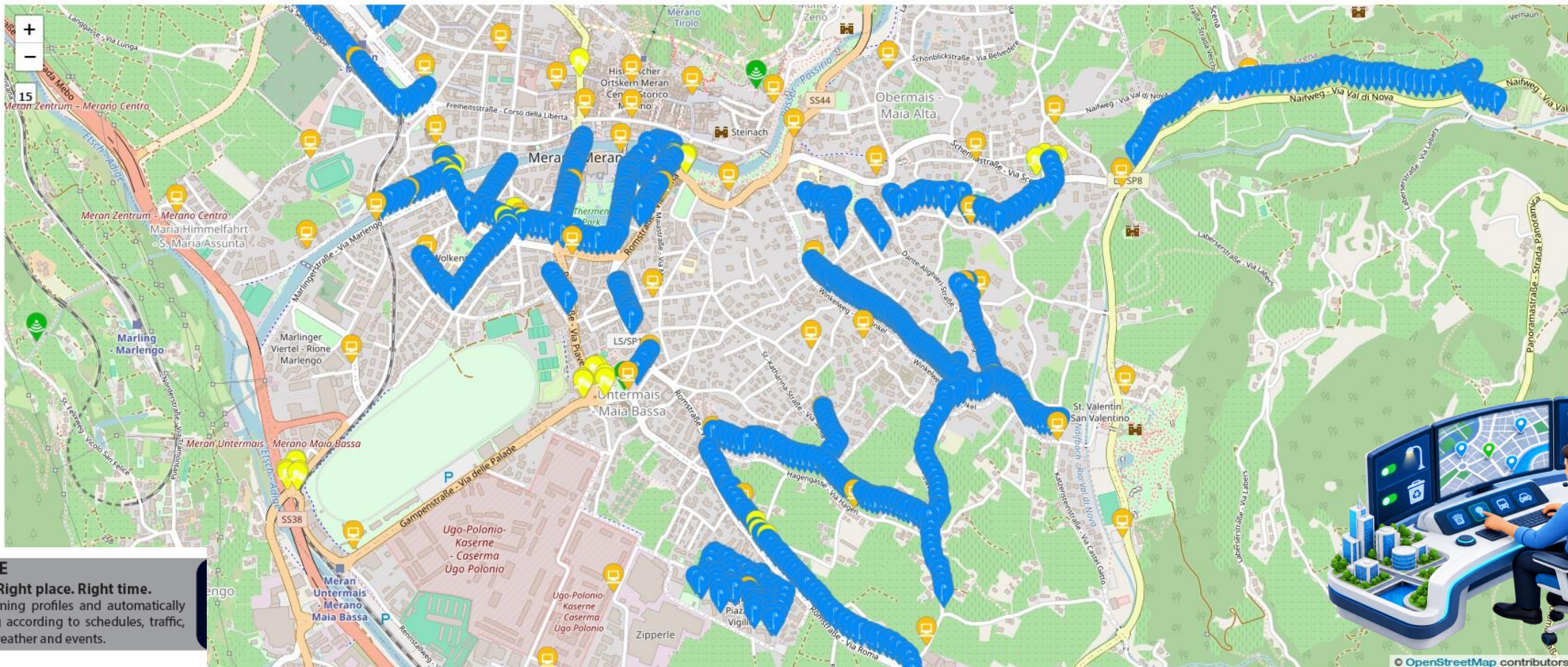
Snap4Light in Merano, all services



Wed 13 Dec 15:34:57



Merano - tutti i servizi



03

AUTOMATE

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Real-time fault detection and alarms identify problems affecting luminaires and cabinets and support maintenance activities.



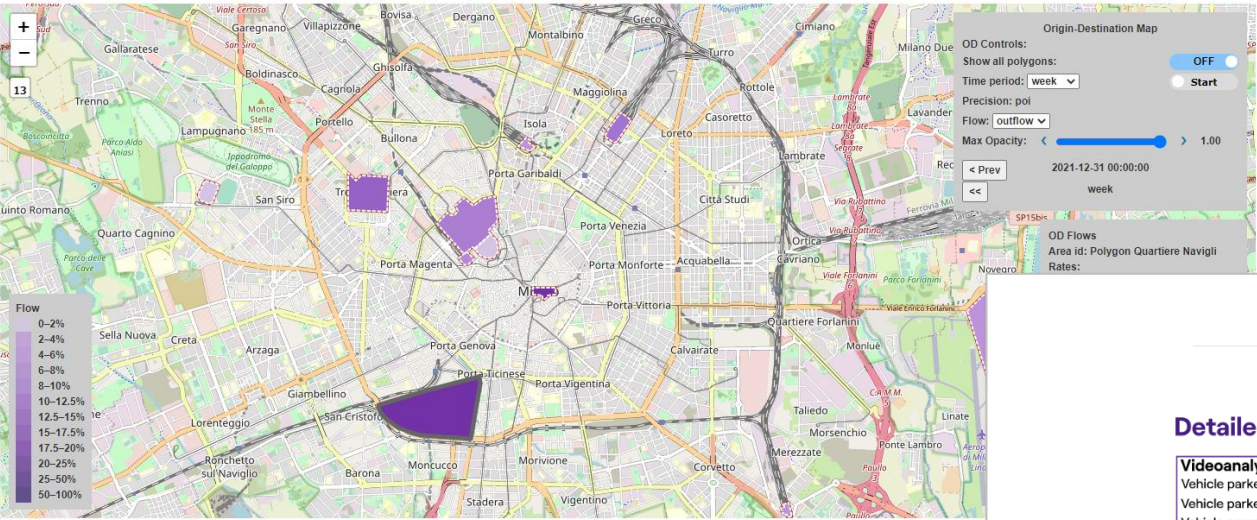
© OpenStreetMap contributors

Powered by
SNAP4Tech

Green and Data Driven District

Aggregated KPI JuicePark SmartPole CityAnalytics

POI - OD POI - PRESENZE POI - PRESENZE (TS) ACE - PRESENZE ACE - PRESENZE (TS)



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01

MONITOR

What is happening now?

Monitor luminaires and cabinets, energy consumption, operating status and faults in real time through GIS-based dashboards.

02

CONTROL

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7 AFFORDABLE AND CLEAN ENERGY



11 SUSTAINABLE CITIES AND COMMUNITIES



Green and Data Driven District

Aggregated KPI JuicePark SmartPole CityAnalytics

Detailed KPIs

Videoanalysis

People counted daily: 0
People counted to date: 0
People aggregation daily: 0
People aggregation to date: 0
Vehicle counted daily: 0
Vehicle counted to date: 21

Power meter

Daily energy consumed: 9.024 kWh
Energy consumed to date: 27.341 kWh
Daily energy produced: 1.409 kWh
Energy produced to date: 4.252 kWh

WiFi

Max number of connected devices in the last day: 0
Hourly average connected devices: #####

eBike

Daily number of sessions: 0
Number of sessions to date: 0
Total Energy consumed: 0
Average energy consumed: 0
Last charger session: 17/06/2022 11:25

Emergency

SOS requests to date: 0
SOS request daily: 0
AED requests to date: 0
AED requests to daily: 0

Green and Data Driven District

Aggregated KPI JuicePark SmartPole CityAnalytics

Detailed KPIs

Videoanalysis

Vehicle parked daily: 8
Vehicle parked to date: 87
Vehicle count daily: 24
Vehicle count to date: 520

Power meter

Energy consumed daily: 0 kWh
Energy consumed to date: 0 kWh
Energy produced daily: 0 kWh
Energy produced to date: 0 kWh

WiFi

Max number of connected devices in the last day: 0
Hourly average connected devices: #####

Emergency

SOS Requests to date: 0
SOS request daily: 0

EV charged

Number of sessions daily: 0
Number of sessions to date: 0
Total Energy consumed: 0
Average energy consumed: 0
Last charger session: 0

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Open integration. Flexible deployment.



Existing infrastructure

Connect luminaires, cabinets and network servers through gateways and APIs.

Deployment choice

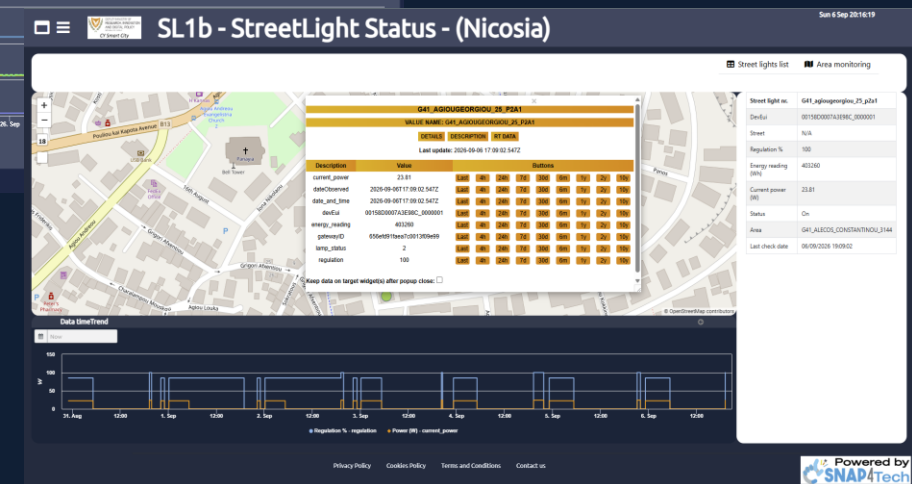
Cloud, SaaS or on-premise options with multi-tenant operation and role-based access.

Integration examples

LoRaWAN **NB-IoT** **DALI-2**
MQTT **HTTPS** **REST APIs**



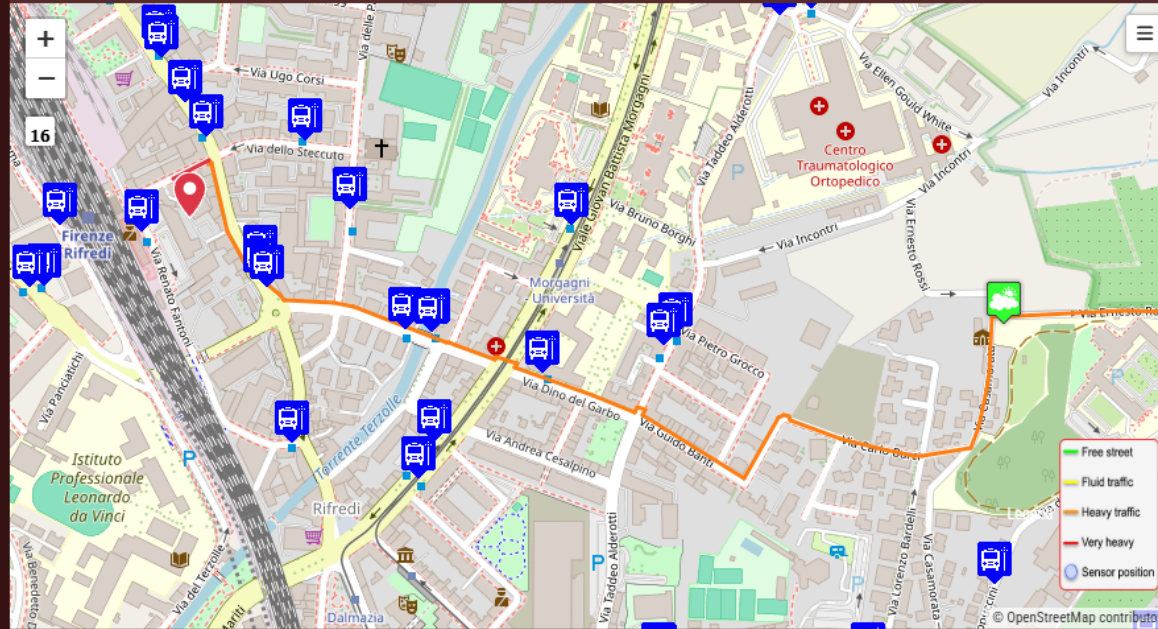
luminaires in Merano, Italy





SnapAdvisor And CoPilot

Thu 1 Oct 14:02:33

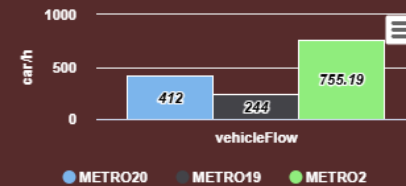
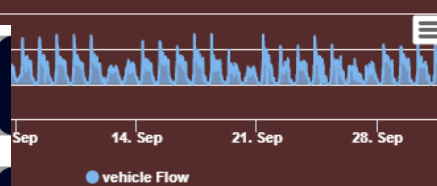


Time Trend

473m

Bar Series

473r



05

OPTIMIZE

Reduce energy while maintaining lighting quality. Use energy analytics, adaptive lighting and AI-driven optimization to improve efficiency, support dark-sky strategies and reduce unnecessary lighting.

06

ASSIST

Ask the lighting system. Get answers. SnapAdvisor interacts with lighting data, alarms, energy KPIs, maintenance history and technical documentation to explain anomalies and recommend actions.

Chat

New Chat

verification

Test

Prod

Clear Map

Clear Bars

Clear Time-Trend



PDF chat

verification

Recommendations

- Conduct thorough market research to understand the demand for pizzerias in the area.
- Analyze the competitive landscape by gathering data on existing pizzerias and their popularity.
- Evaluate the financial viability by detailed financial data and projections.
- Assess the location's suitability by gathering data on foot traffic, nearby businesses, and accessibility.

By addressing these uncertainties, a more informed decision can be made regarding the advisability of opening a pizzeria in Via dello Steccuto, Florence.

Is it advisable to open a pizzeria in via dello steccuto, florence?

P 0%

N 100%

Neg 0%

Location

Peso 20%

please produce a decision support graph to open a pizzeria in via dello steccuto, florence



SNAP4CITY

