

# Control»IoT

Intelligent solutions



# Energy efficiency and IoT solutions



a solution provider in the world of IoT and control, which specializes in hardware & software development , providing complete solutions to integrators and customers.

The company provides communication solutions and in addition end equipment (sensors, electricity and water meters, managed electrical switches, IR cannons and access routers to connect to any existing third party sensor including building management systems & information management

(DT PaaS - Platform as a Service) through a platform



presents an innovative platform that stores cumulative information from various operational systems and sensors and processes the data in real time into informed decisions based on defined procedures and routine and emergency plans. Control systems for industrial buildings and smart cities



**works at the forefront of technology and innovation to create Smart environment & energy efficiency.**



# Urban control system and lighting control

The platform gathers accumulated information from various operating systems and sensors and processes the data in real time into informed decisions based on defined procedures and routine and emergency plans.

The system is a platform that supports distributed architecture and an almost unlimited amount of sensors (of different types and manufacturers), providing real-time event management, retrospective event analysis and lessons learned, from textual and visual information such as high quality images, video, audio, sensor information and allows each user level Perform tracking, recording and run processes according to permissions and / or a defined action tree and control the space.

The system includes decision-supporting models such as dynamic navigation maps, tracking objects in motion, advanced analytics, event management system and operating relay according to pre-determined factors. It also allows for easy integration into urban operating systems.



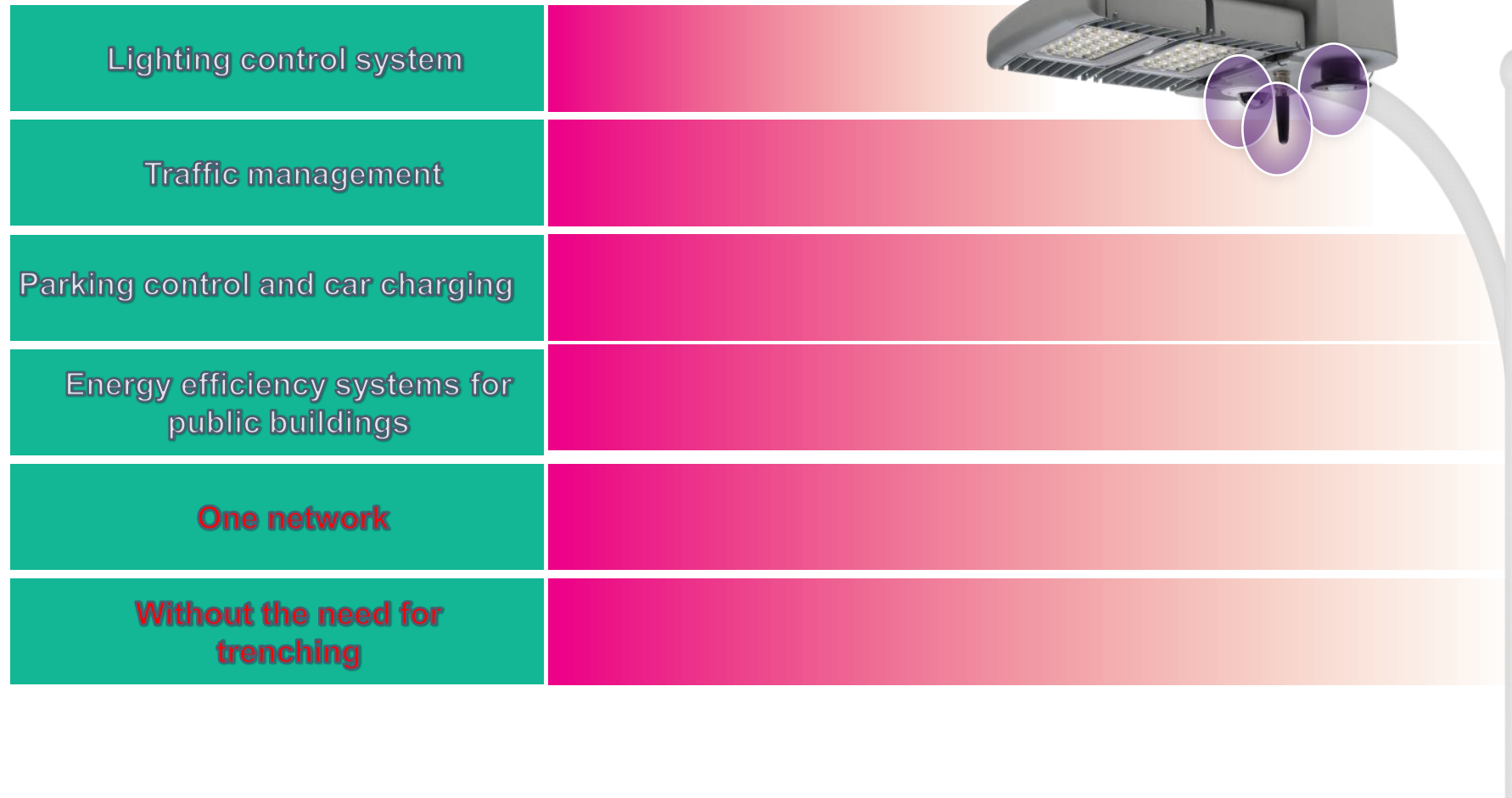


## *The Smart City - "Technology for Civil Service"*

- “SMART CITY “ Able to provide this service through a municipal command and control center connected to a variety of systems and sensors scattered throughout the urban space and the transfer of information in real time to the operating systems and mechanisms in the organization.**



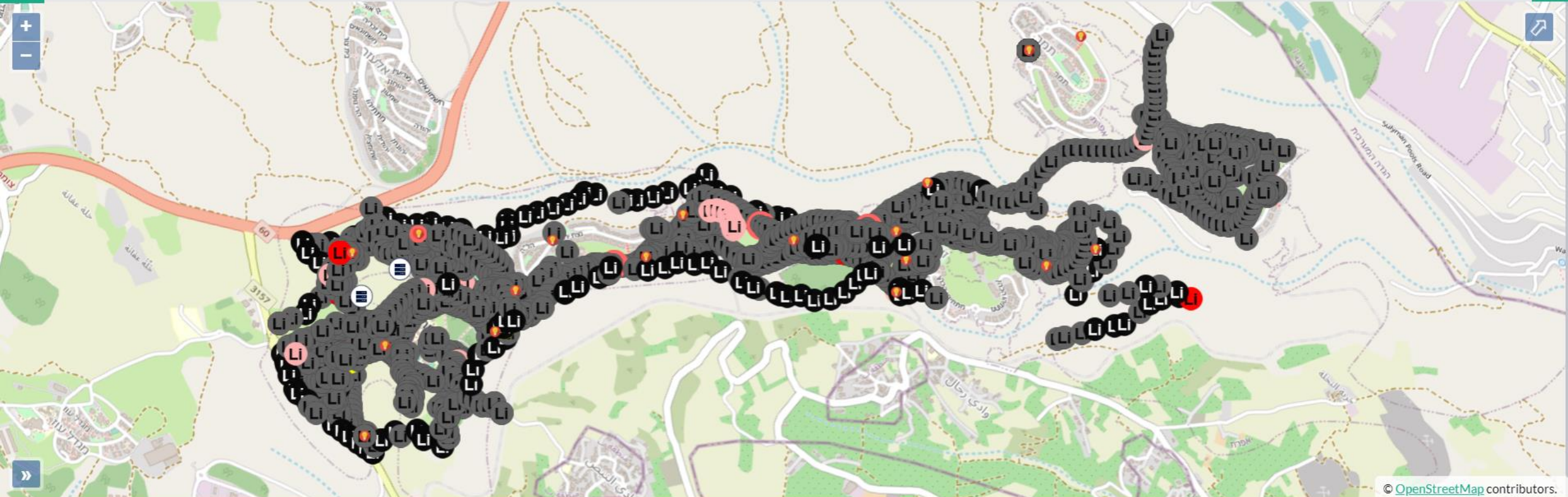
# One network, one platform, one communication .....



# Municipal control system - map

DTpaas

☰ Total Records 2,405 of a total of 2,505 total Items



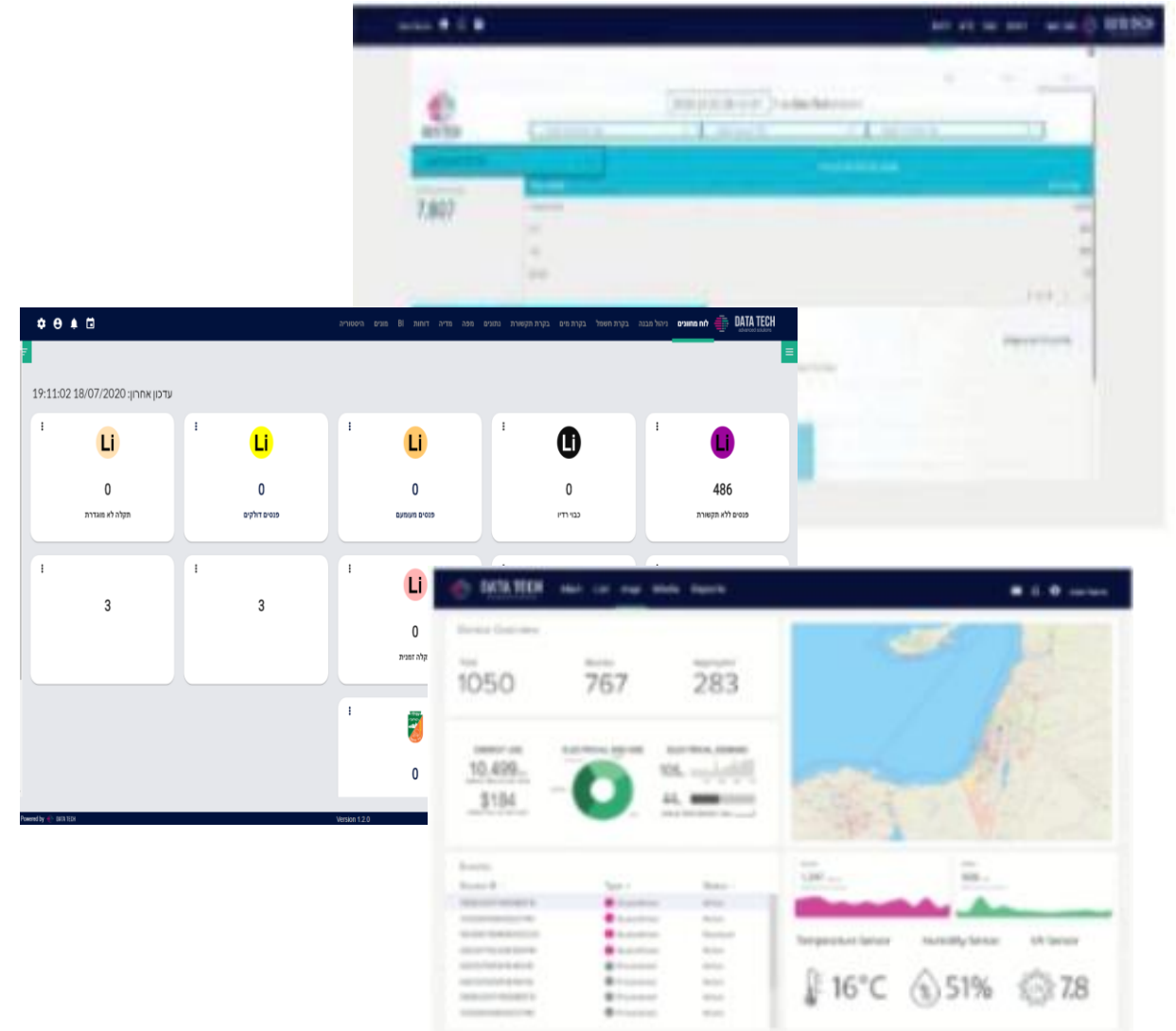
© OpenStreetMap contributors.



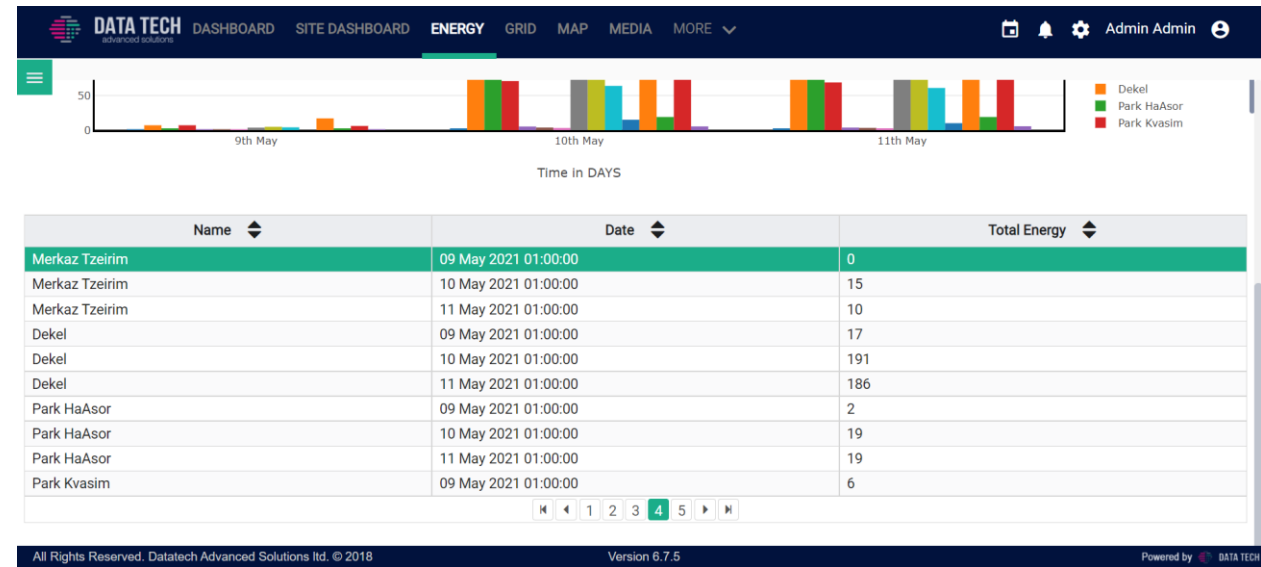
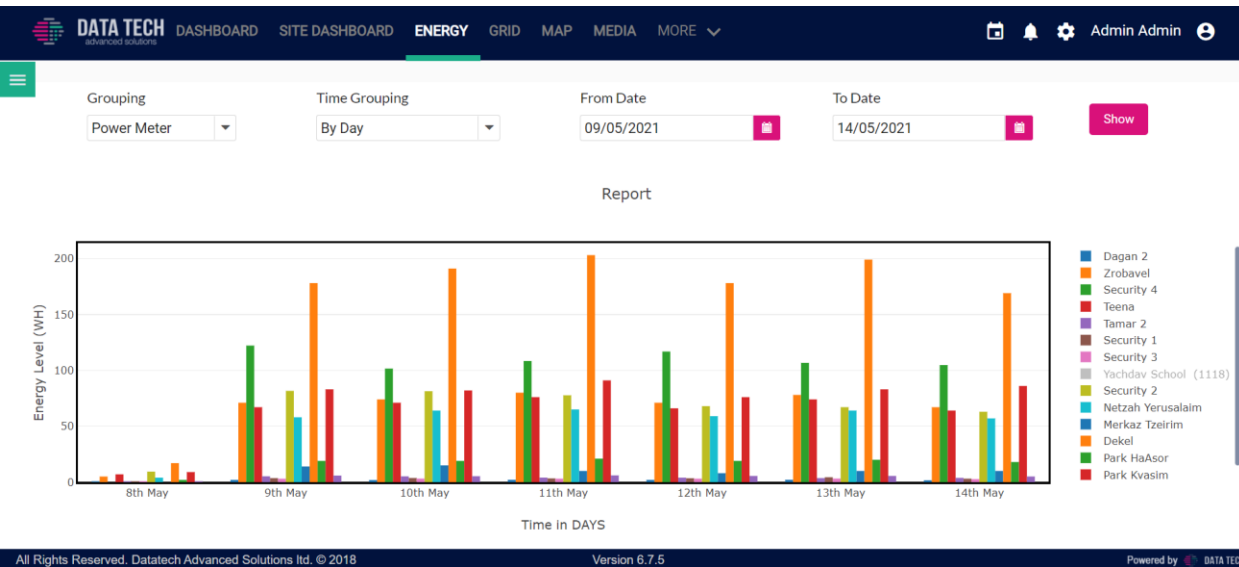
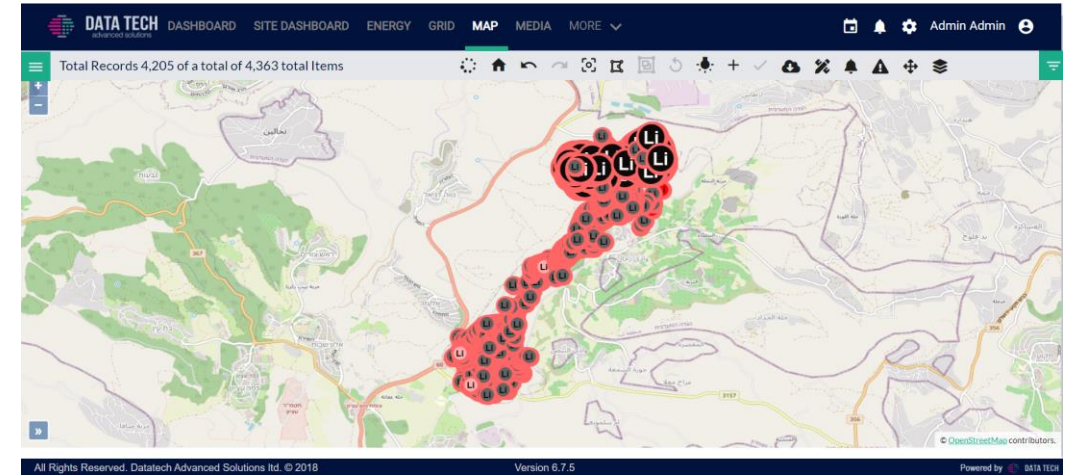
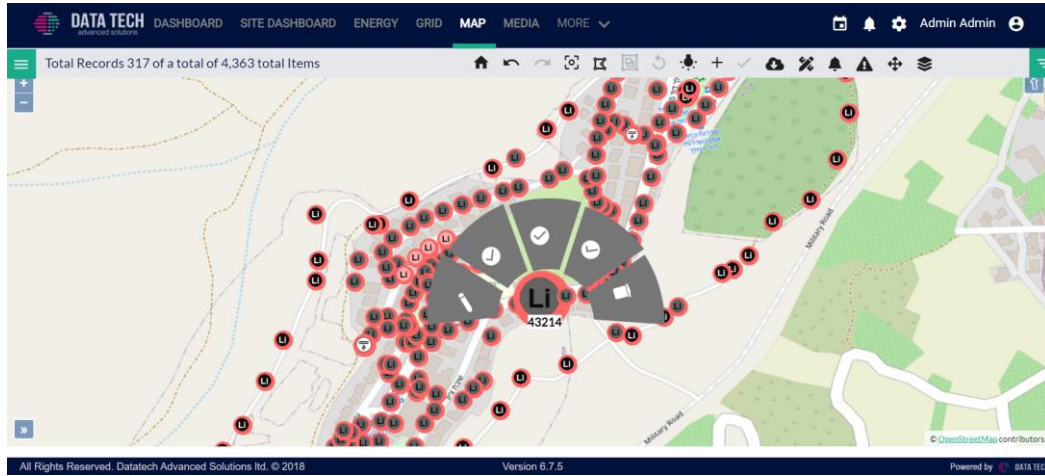
# Municipal control system - dashboard

DTpaas

- Dashboards are integrated with data tailored to your exact need
- Provide a preview of vital information and an easy way to navigate directly to different areas of the application that require user attention.
- A simple view to view all the information, view trends, dangerous areas, real-time updates, quickly guide the operator or allow research for a brighter future.



# Power consumption - receiving current consumption data (hubs)

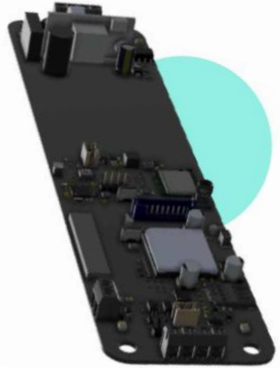




# Urban lighting control system based on media communication with lighting fixtures

## **G-IoT NEMA -**

The quickest and easiest way to make your lighting fixture - smart



- Socket connected (7 pins)
- Enables individual remote management of streetlight lamps (ON/ OFF/ Dimming).
- Network interface NB-IoT - LTE Cat M1/Cat NB1/EGPRS
- Autonomous operation based on predefined schedules
- Bluetooth 4.0 and 5.1 interface for local configuration and diagnostics include the ability to integrate sensors.
- Integrated PCB-mounted antennas – optional
- Designed lifetime: 10 years.



- TOUCH SCREEN 5"
- CHANGEABLE BUTTONS
- SELF ORGANIZING CAPABILITIES



VRF/KNX/  
ZWAVE  
SUPPORTED



110V/230V,  
50HZ/60HZ



MICRO SD  
INPUT



6 DIRECT  
OUTLETS



ENERGY  
CONSUMPTION



SHUTTER  
PERCENTAGE

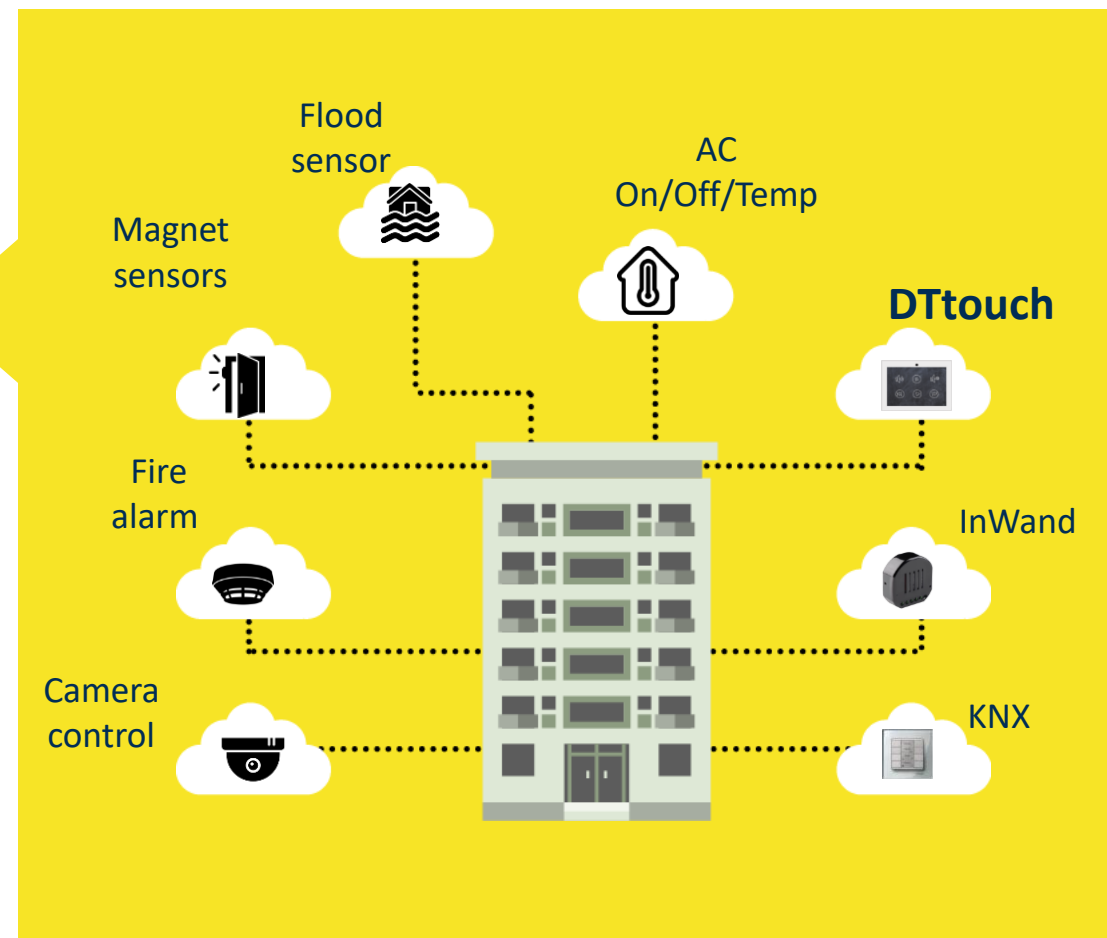


150X94X72 MM

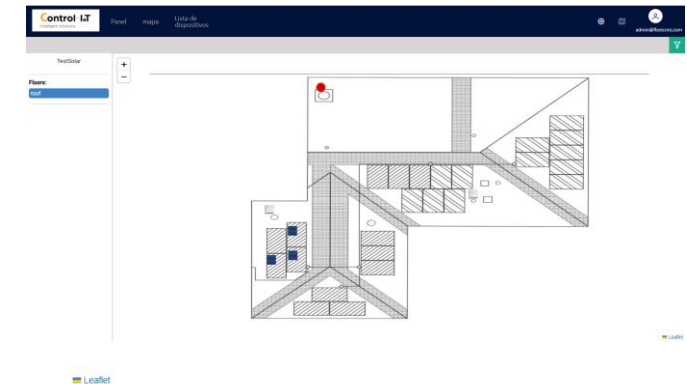
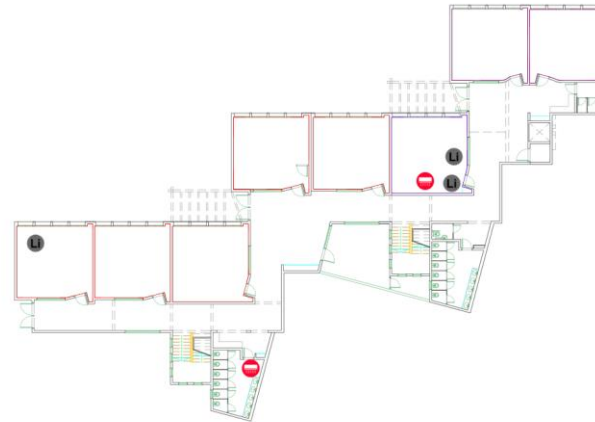
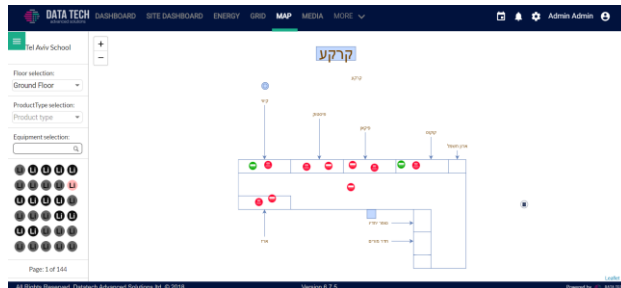
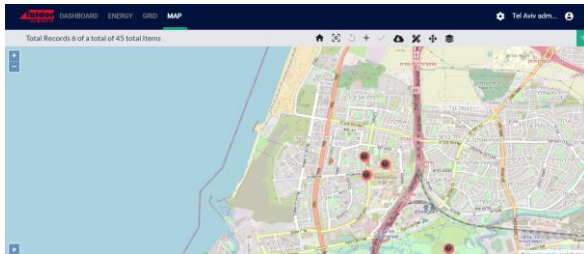
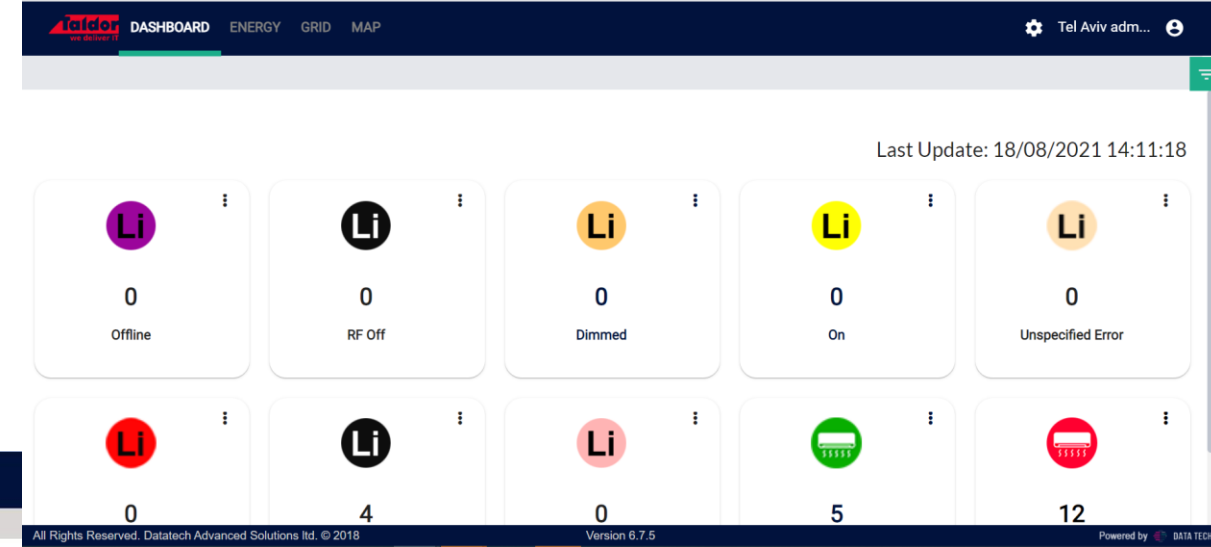
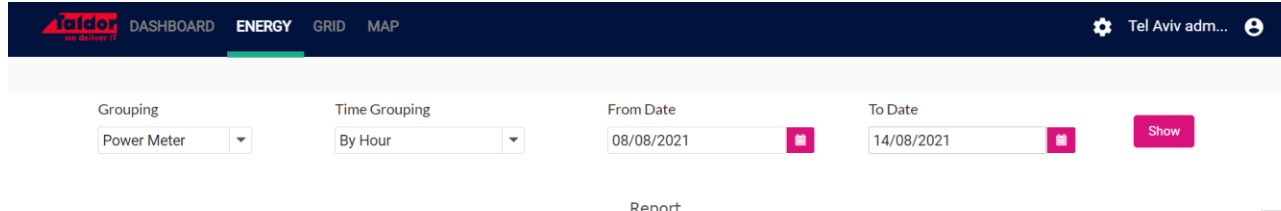


CUSTOM  
BACKGROUND  
AND ICONS

## POSITION CONTROL LED DEVICES ON THE SCHEME USING DRAG & DROP OPTION

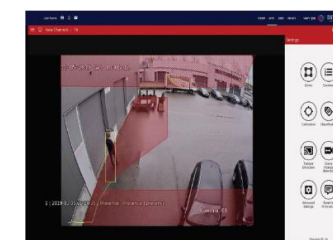
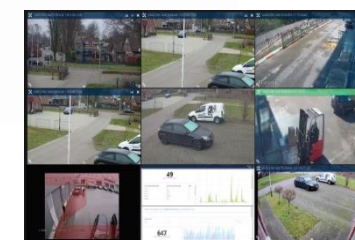
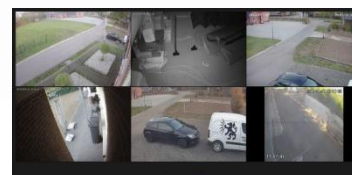


# INDOOR energy efficiency system

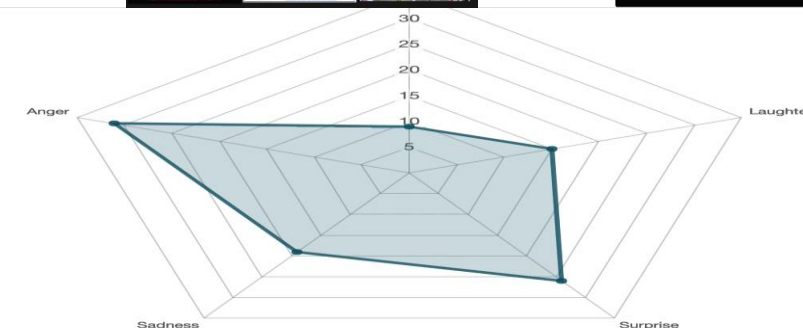


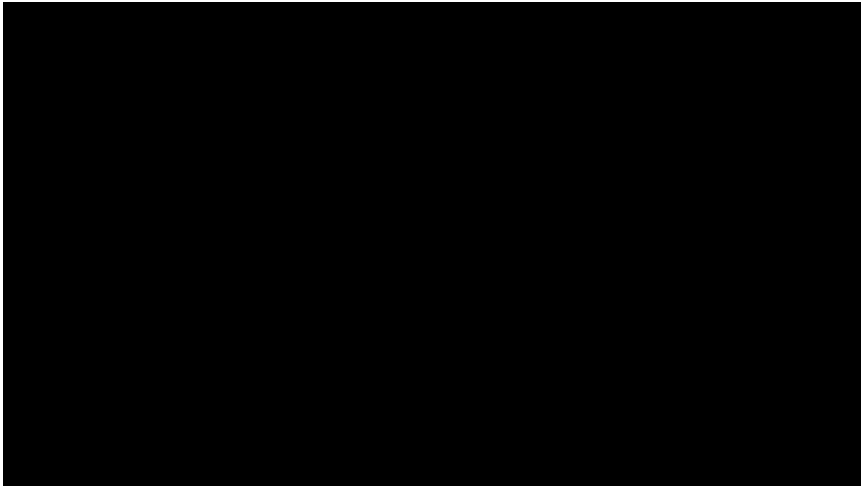
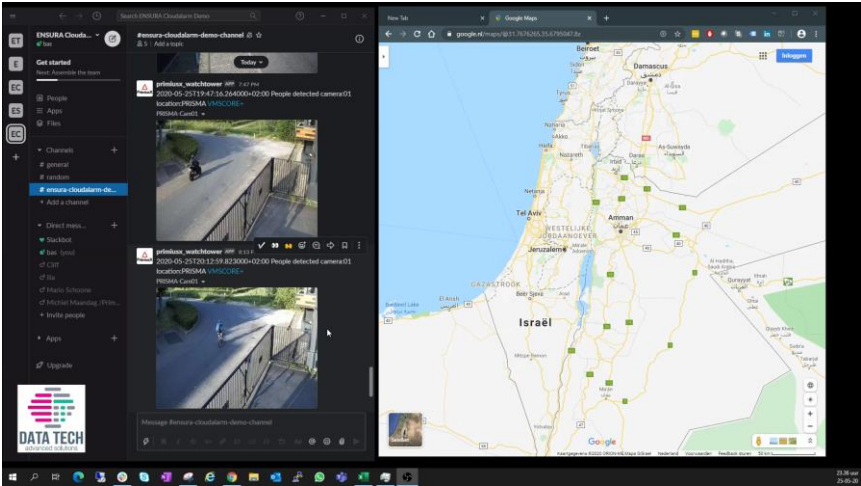
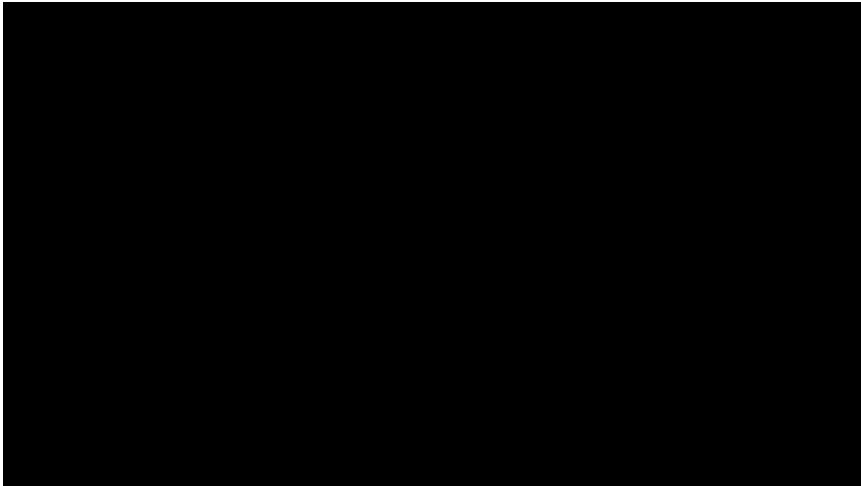


# VMSCORE FACE-IT



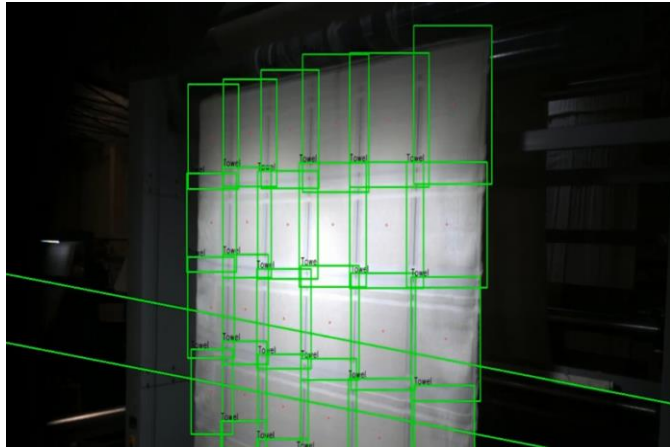
alarm  
frame42







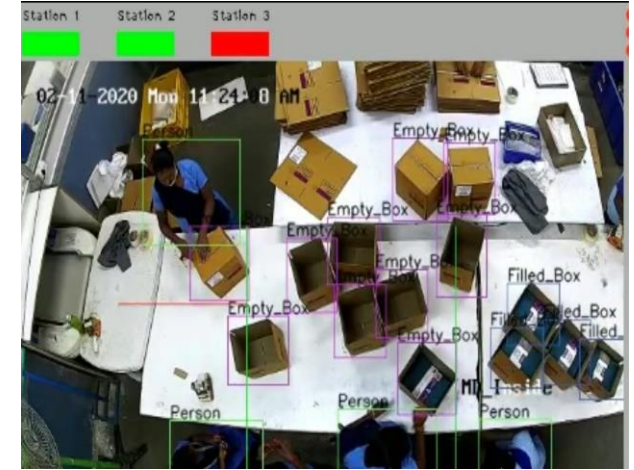
# Production



**High Speed Textile Counting**



**Tracking of Bottle Production**



**Process Tracking in Production**



**Real Time Machine Utilization Monitoring**



**Real Time Machine Cleanliness Monitoring**



**Real Time Production Tracking & Worker Efficiency Monitoring**



## Location/ Presence Services: Growing markets



Indoor Location  
tracking



Patient tracking  
Health care



Infant/ Child  
Protection



Security/ Access  
Tracking



Staff tracking



Logistic  
Management

# PowerTags RFID Services in Healthcare



## Medical Equipment Tracking

- Fast locating of essential equipment
- Prevent lost or duplication of equipment
- Inventory management
- Same infrastructure as patient flow
- Tamper for security (disconnection alert)
- Motion Detection – long life battery

## Nursing Home/ Wandering Management

- Departure / arrival detection
- Near-door notification – door locking
- Alarm Security and Push Button call
- Mobile alert and view (location over Phone/ Tablet\_



# SMART AGRICULTURE CROP MONITORING

- Air Temp.
- Relative Humidity
- Soil Humidity
- Tensiometer
- Electrical conductivity
- PH
- CO<sub>2</sub>





# Theft early warning

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- Long range wireless Movement sensors monitors the Agriculture assets scattered in the field – data is transmitted to the Smart Gateway
- The Smart Gateway convey the data to cloud software
- If a movement is detected at an unauthorized time (for example at night) the Server will send an SMS alerting the farm owner
- The system is automatic – no human intervention needed



- ✓ 433Mhz Radio Frequency
- ✓ Highly configurable solution
- ✓ Unique proximity magnetic field configuration before and after deployment
- ✓ Small size lowest cost solution
- ✓ Low power solution for long battery life
- ✓ Unmatched transmission range
- ✓ Supporting motion, angle change, tamper detection & NO/NC external sensors
- ✓ Several mounting options
- ✓ Short transmission messages for high tag densities

**RELIABLE**

**SECURE**

**EASY TO USE**



### INDUSTRIAL & AUTOMATION

Global adoption of automation demands the ability to monitor and manage equipment remotely to increase productivity.



### ENERGY & UTILITIES

Reducing power consumption and maintenance costs by building wired and wireless IoT connectivity solutions.



### SMART CITY

Connected sensors, infrastructure, vehicles, and devices require secure and reliable IoT connectivity products.



### TRANSPORTATION

Networking devices transport operators to optimize their businesses and create new revenue streams.



### ENTERPRISE

Enterprise applications require primary and backup connectivity solutions that are secure, reliable, and easy to use.



### RETAIL

IoT connectivity solutions offer new ways to interact with clients and collect valuable data to make strategic decisions.





## PAAS ON THE FAST TRACK .....



### Fast delivery with application outcome

IOT & M2M application only 30 days from Data defining

- Plugin Connectivity
- Events & Rules
- Interactive screens
- Business continuity
- Tailored Reports
- Operational Dashboards
- Realtime notifications

**A complete solution, fully functioning IOT application that will allow you to manage your business, **NO** investment, in **NO** time!**



# Interactive Geo Map with visual data layers

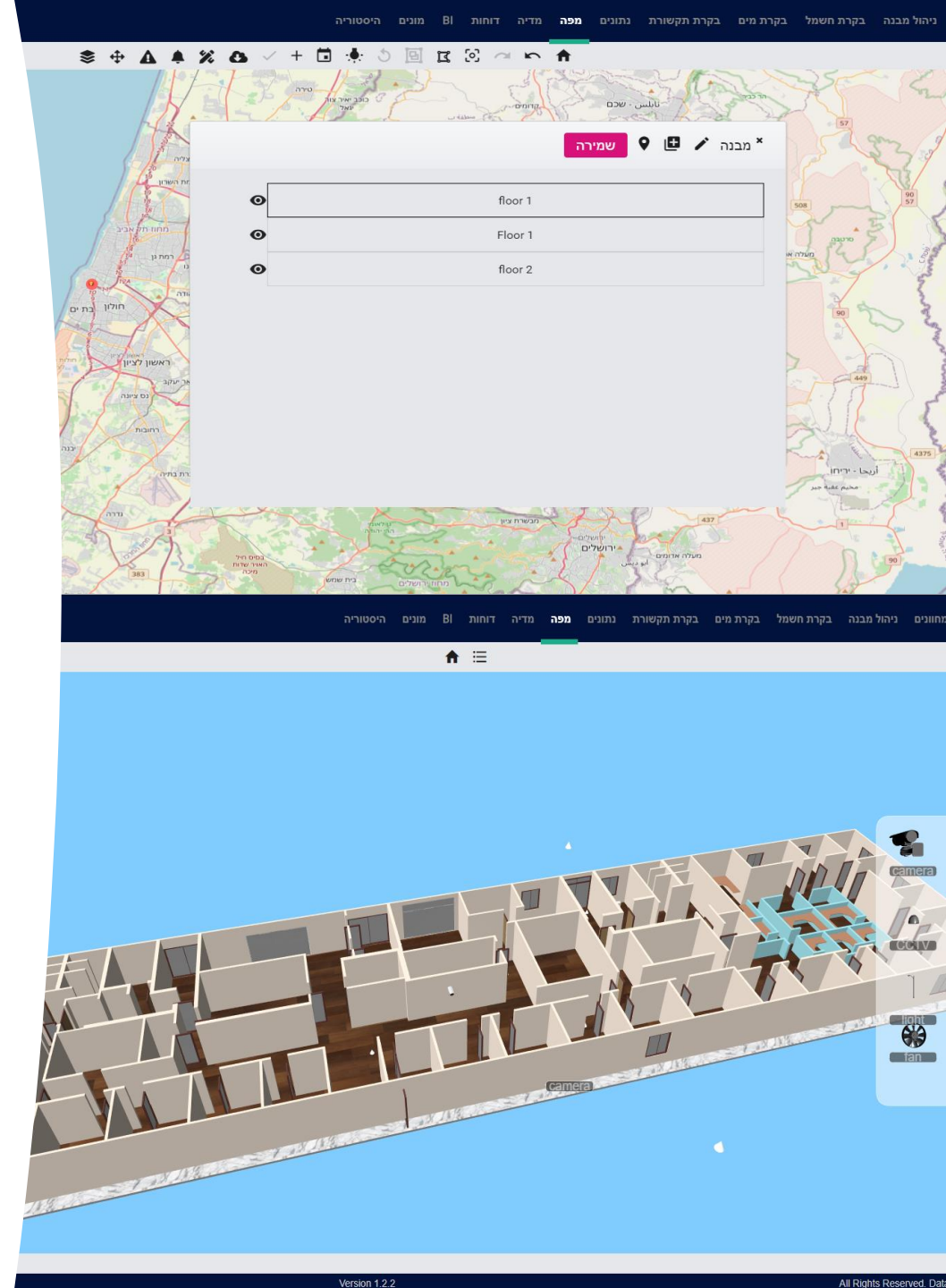
WE DID NOT INVENT THE WAY TO VISUAL DATA WE JUST MADE IT



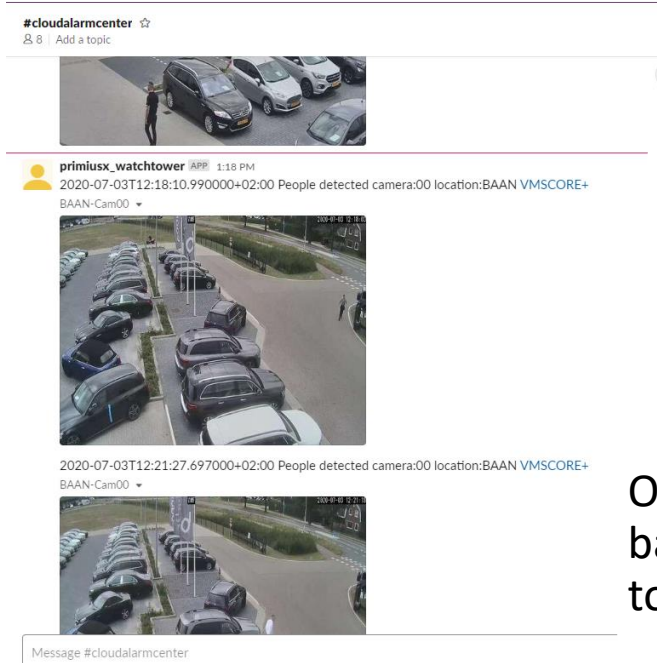
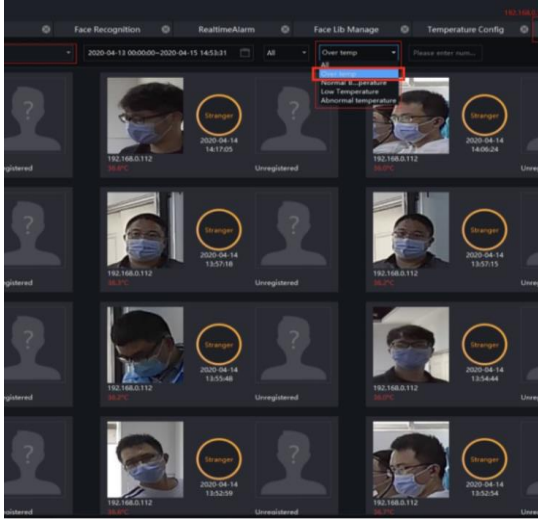
# Map 3d & Building Management

Ability to model an entire building, each floor,  
and its spaces and associate the location  
of installed smart appliance to be easily  
managed and controlled.

Introducing PDF layouts and 3D models  
of each floor with ability to navigate  
inside the building with real live camera  
view integration.



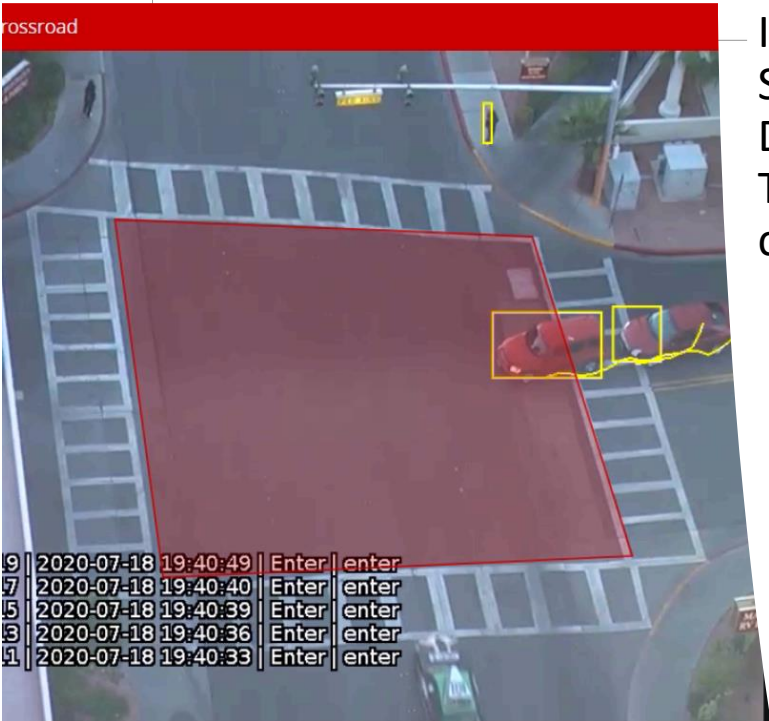




# Video & Analytics Management

Onvif compliant Video Alarm Cloud based on state-of-the-art analytic solutions enabling to identify any scenario.

Incorporated with Rules & Zones, Classification, Speed Control, LPR  
Deep learning, Facial recognition, Thermal recognition, human behavior, Access control, voice and more.



Default Tenant

15:29:21 12/07/2020

Default Tenant

13:29:20 12/07/2020

Default Tenant

11:29:20 12/07/2020

Default Tenant

09:28:20 12/07/2020

Default Tenant

07:28:19 12/07/2020

Default Tenant

05:28:18 12/07/2020

AT ANY TIME LOOK AT WHAT HAPPENED

Default Tenant

03:28:13 12/07/2020

Default Tenant

01:28:18 12/07/2020

Default Tenant

23:28:17 11/07/2020

# History

DTPaaS not only records all the data that passes through it, also enables to replay the recorded history any time and understand what happened and why.