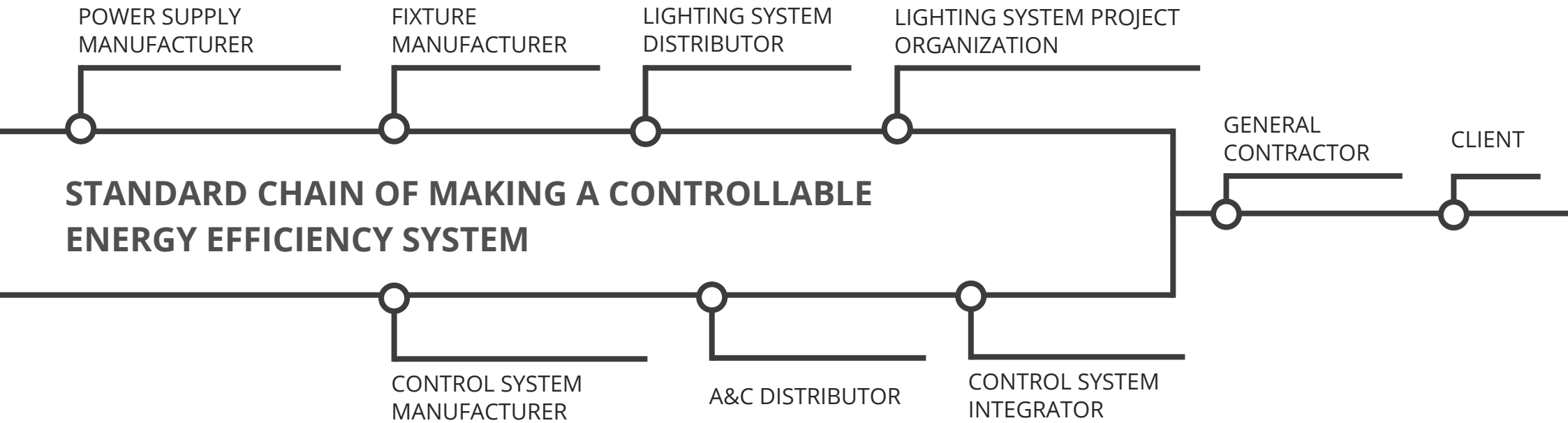


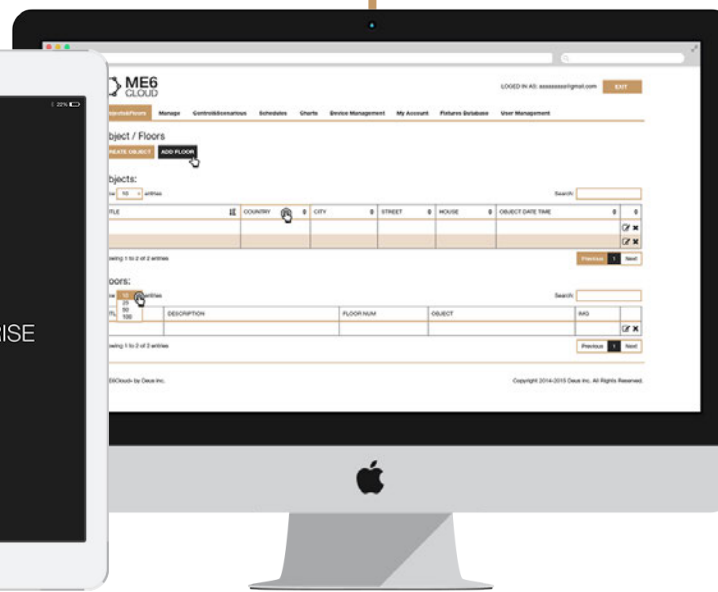
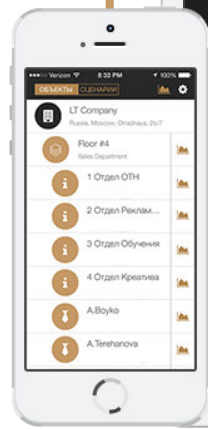
**ME6**  
ENTERPRISE

**WIRELESS CONTROLLABLE**  
LIGHTING SYSTEM

**DEUS LLC**

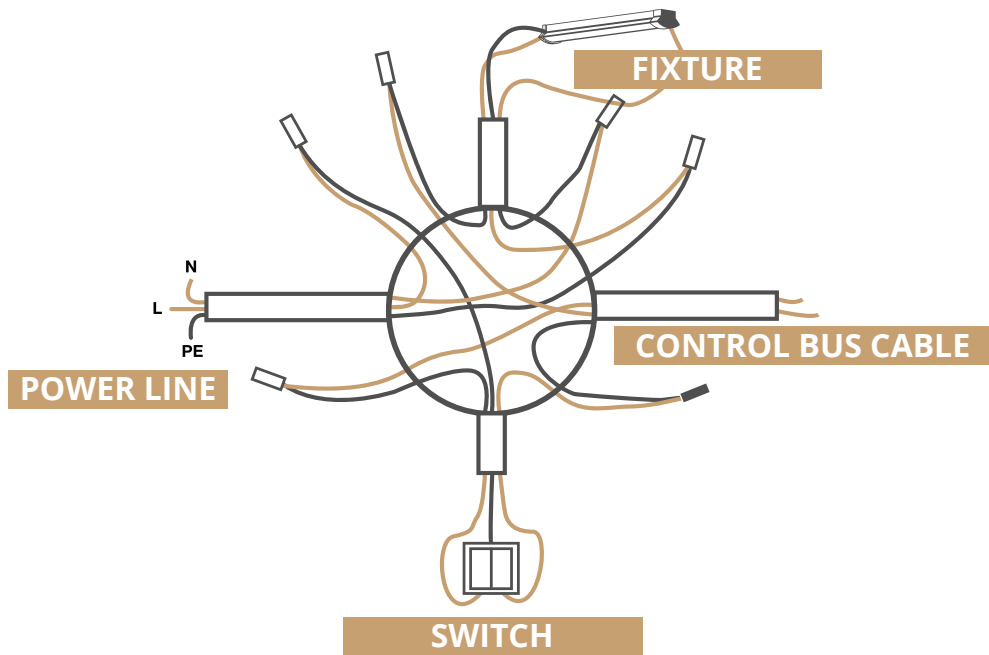
# TECHNOLOGY AND INTELLECTUAL PROPERTY





# COMPARISON OF CONTROL SYSTEMS

## STANDARD LIGHTING CONTROL SYSTEM

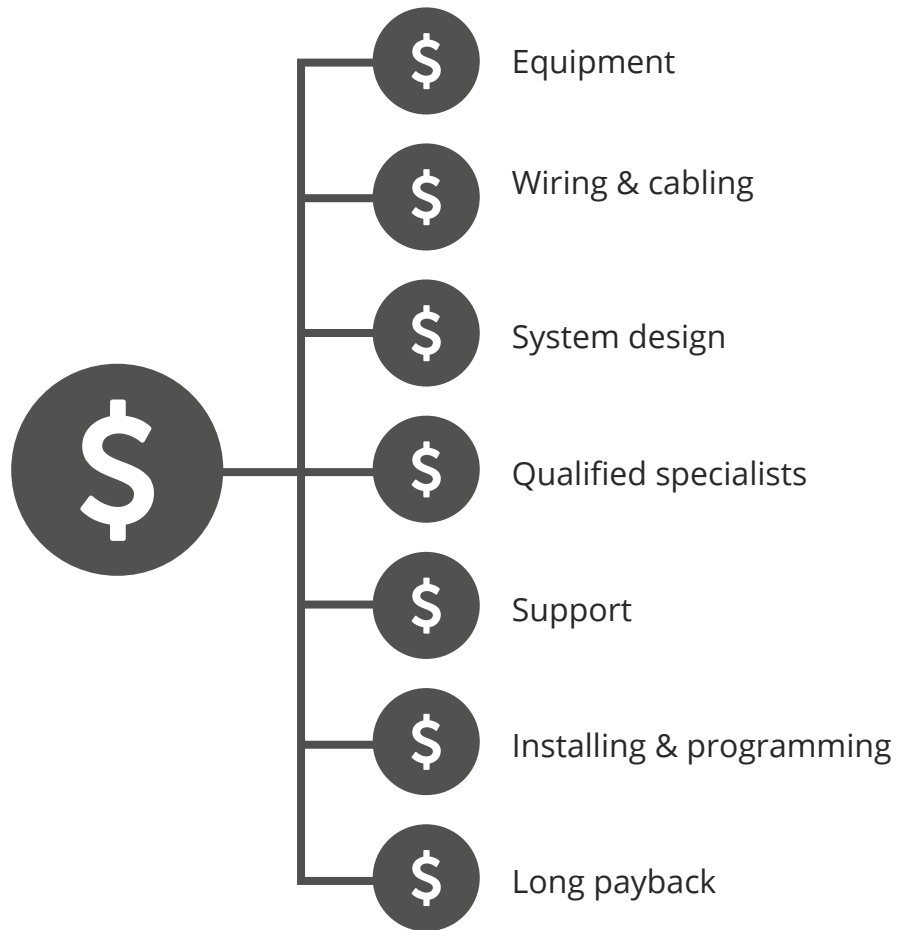


## ME6 SYSTEM

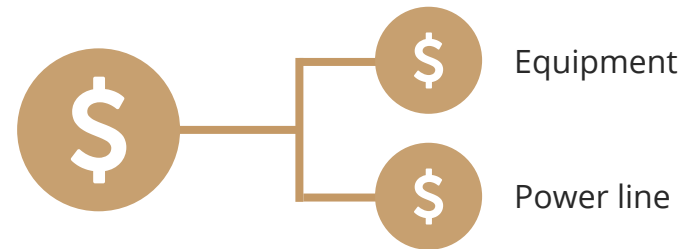


# COMPARISON OF CONTROL SYSTEMS

## STANDARD SYSTEM PRICE INCLUDE



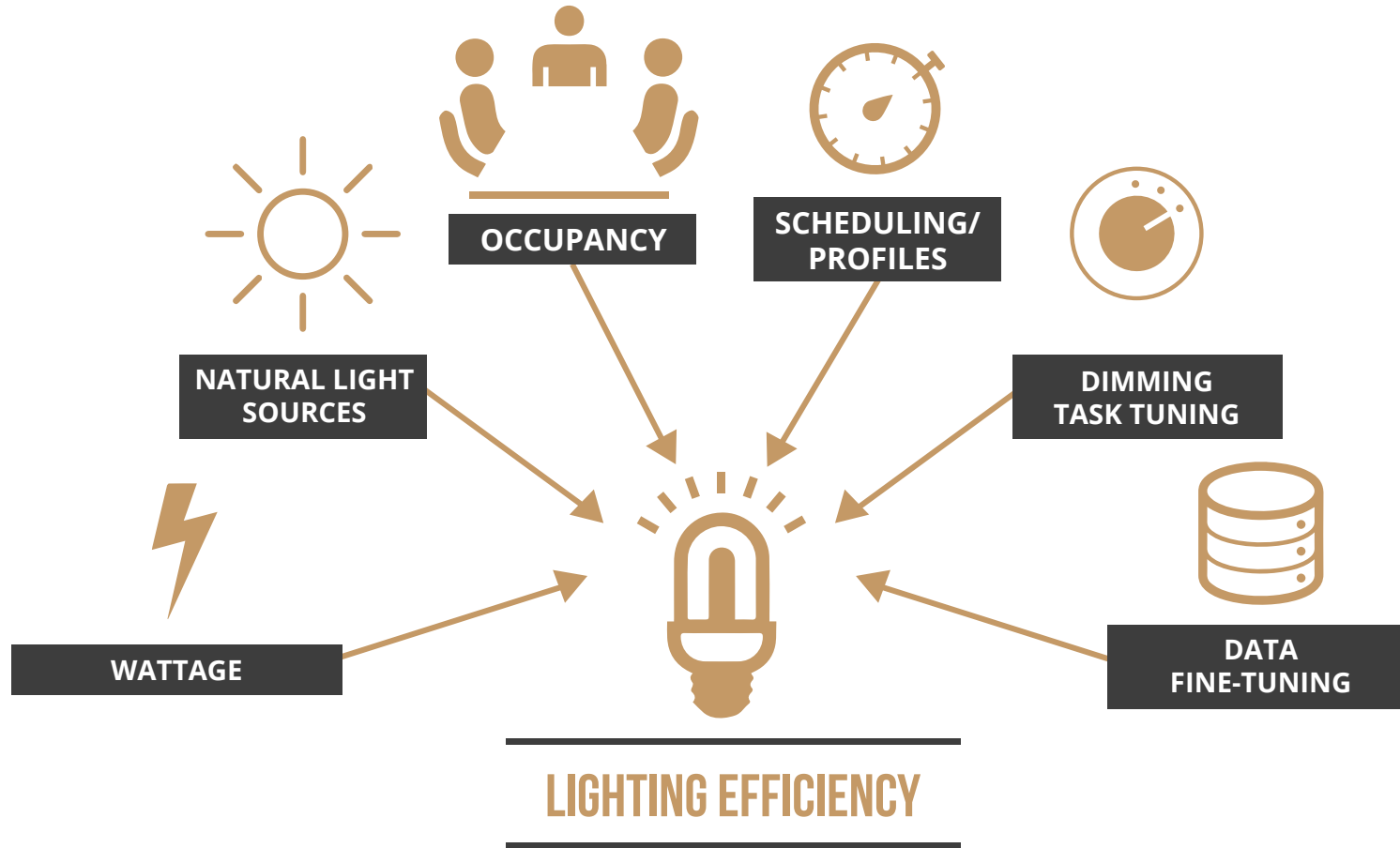
## ME6 SYSTEM PRICE INCLUDE



## ADVANTAGES

- Plug&Play
- Low cost of equipment
- Free 24/7 cloud & free mobile apps
- Wireless device firmware update
- Support for all types of controlled fixtures

# WHAT IS ENERGY EFFICIENT LIGHTING?



# ME6 TOPOLOGY



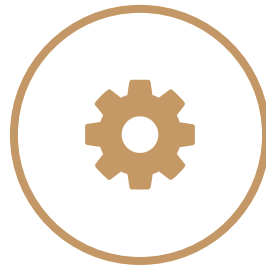
# ME6

The World's first complete wireless system for automation & lighting control



## POWERFUL CLOUD MANAGEMENT

ME6 Enterprise is a cloud-based system that helps you build, manage and monitor your lighting system from anywhere in the world. With ME6Cloud, you can create multiple objects, control individual spaces, design custom scenarios, monitor network health, and much more.



## SCALABLE, MODULAR HARDWARE

ME6 hardware works seamlessly to deploy enterprise-grade wireless lighting control system at a fraction of time and cost of traditional systems. Just choose router and 0-10V node. The possibilities are endless.



## LOW COST SOLUTION

ME6 Enterprise solution is the lower-cost, cloud-managed mesh wireless solution for lighting control. With hardware designed from the ground up to fit even the tightest budget, ME6 proves how affordable professional, enterprise-grade, cloud-managed wireless solution can be.



# ME6 SYSTEM COMPONENTS

POWER AND LIGHTING CONTROL CABLE PASSES THROUGH **ME6 NODE**

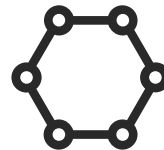
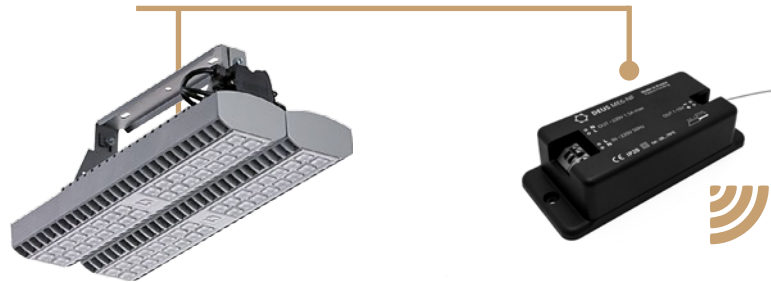


## SPECIFICATIONS

- Connecting to the group of fixtures up to 3kW
- 1-10V or 0-10V Dimming
- Individual control

## CONTROL

- Control panel
- Smartphone / tablet
- PC



**ME6**  
CLOUD

**CLOUD SERVICE**  
OR COMPANY'S SERVER

**ME6 ROUTER**  
CONNECTED TO THE INTERNET OR  
CORPORATE COMPANY'S NETWORK



# HARDWARE



## ME6-R

ME6 Router provides a link between ME6 Nodes wireless network and ME6 Cloud.



## ME6-NF

ME6-NF node allows cost-effective control of individual fixtures or groups of fixtures with switching on/off (up to 1kW), or 0-10V dimming.



## ME6-LSO

Wireless IP65 light sensor



## ME6-D

First wireless controlled LED driver for LED luminaries up to 40W or 80W. The best solution for manufacturers and suppliers of innovative, energy-efficient lighting products.

# HARDWARE



## ME6 SERVER ENTERPRISE

Manage & control server  
(COMMERCIAL)



## ME6 SERVER ENTERPRISE

Manage & control server (INDUSTRIAL)



## ME6-CP

Control Panel

## SOFTWARE & PRICING



### ME6 Cloud

Highly secure cloud-based solution that consolidates your lighting and energy data from multiple sites across the world. Powerful analytics engine allows easy comparison and dynamic views of information and lighting energy metrics.

**FREE.**

### ME6 App

Mobile Apps for iOS and Android

**FREE.**



# ME6 CLOUD MAIN FEATURES

PATENT PENDING

## 1. OBJECTS CREATION & GROUP MANAGEMENT

**ADD PLAN**

Object: Deus Office

Floor num: -10

Title:

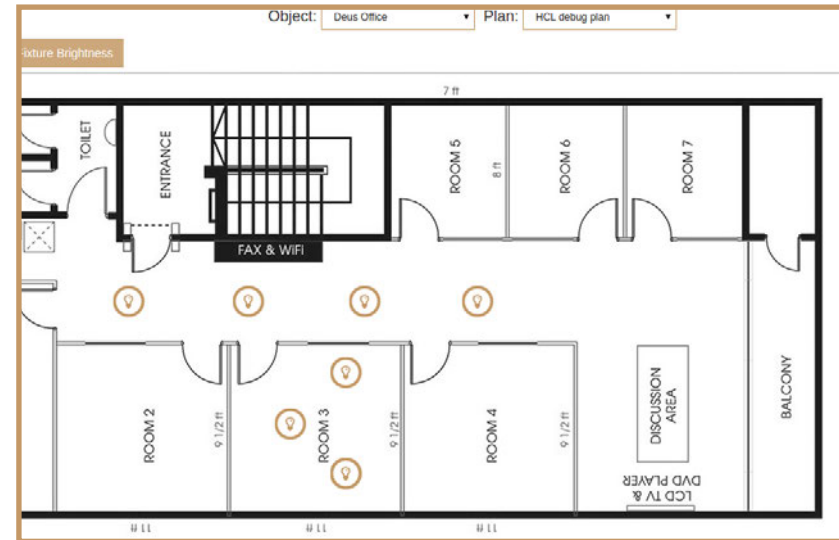
Description:

Floor Plan File: **BROWSE**

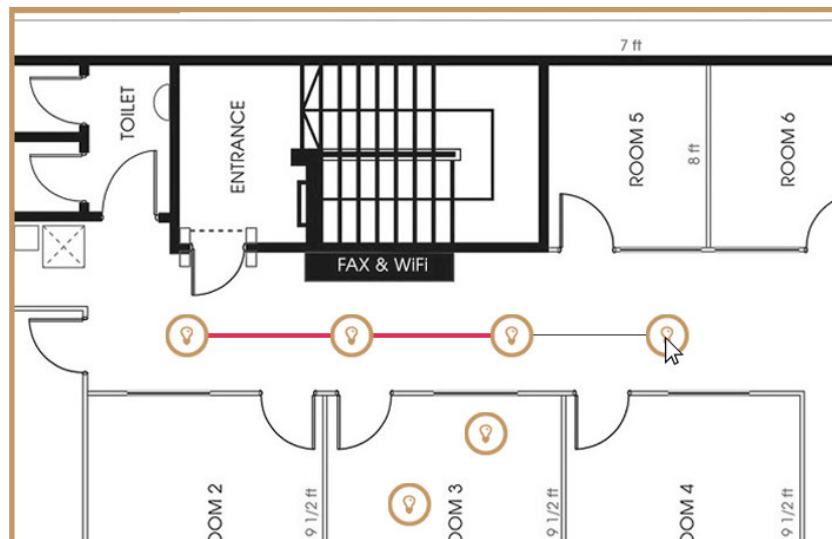
Maximum File Size 15Mb.  
Supported File Types: jpeg, png, gif, svg.

**OK** **CANCEL**

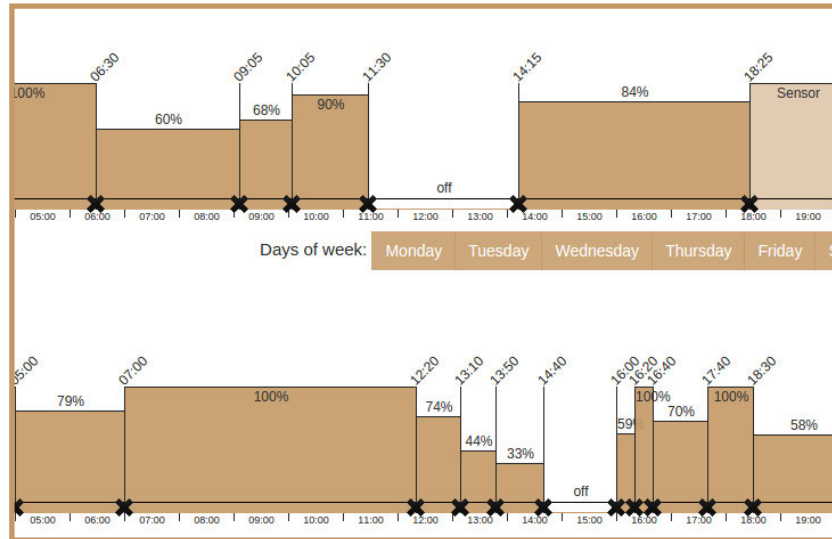
Add places of your fixtures location with the address.



Our trilateration system places luminaires on your plans automatically. Then you can choose type and technical parameters of the installed luminaires

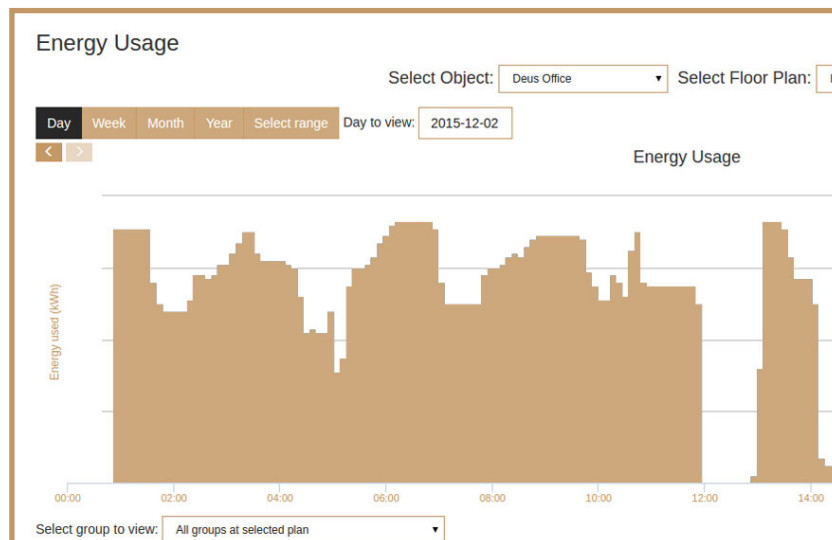


Simple group creation - just draw the line between your fixtures.



## 2. CREATE YOUR OWN SCENARIOS AND SCHEDULES

- Drag horizontal line to set the dimming level, drag vertical line to set the time
- Choose the days for your programmed schedule

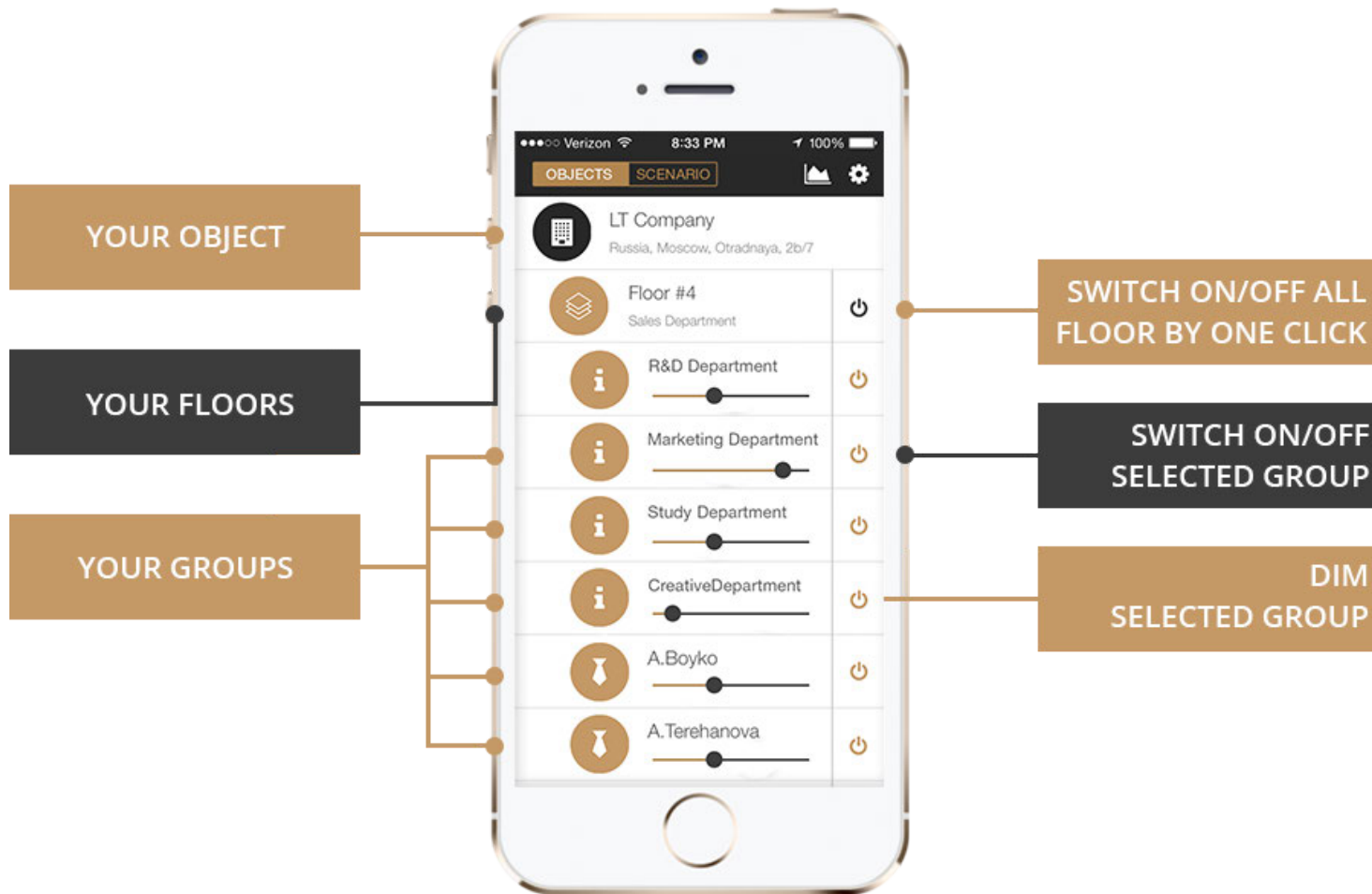


## 3. CONTROL OF ENERGY CONSUMPTION

- Choose the type and technical parameters of installed luminaires to monitor & control energy consumption. 24/7 access to realtime or historical data

# ME6 App MAIN FEATURES

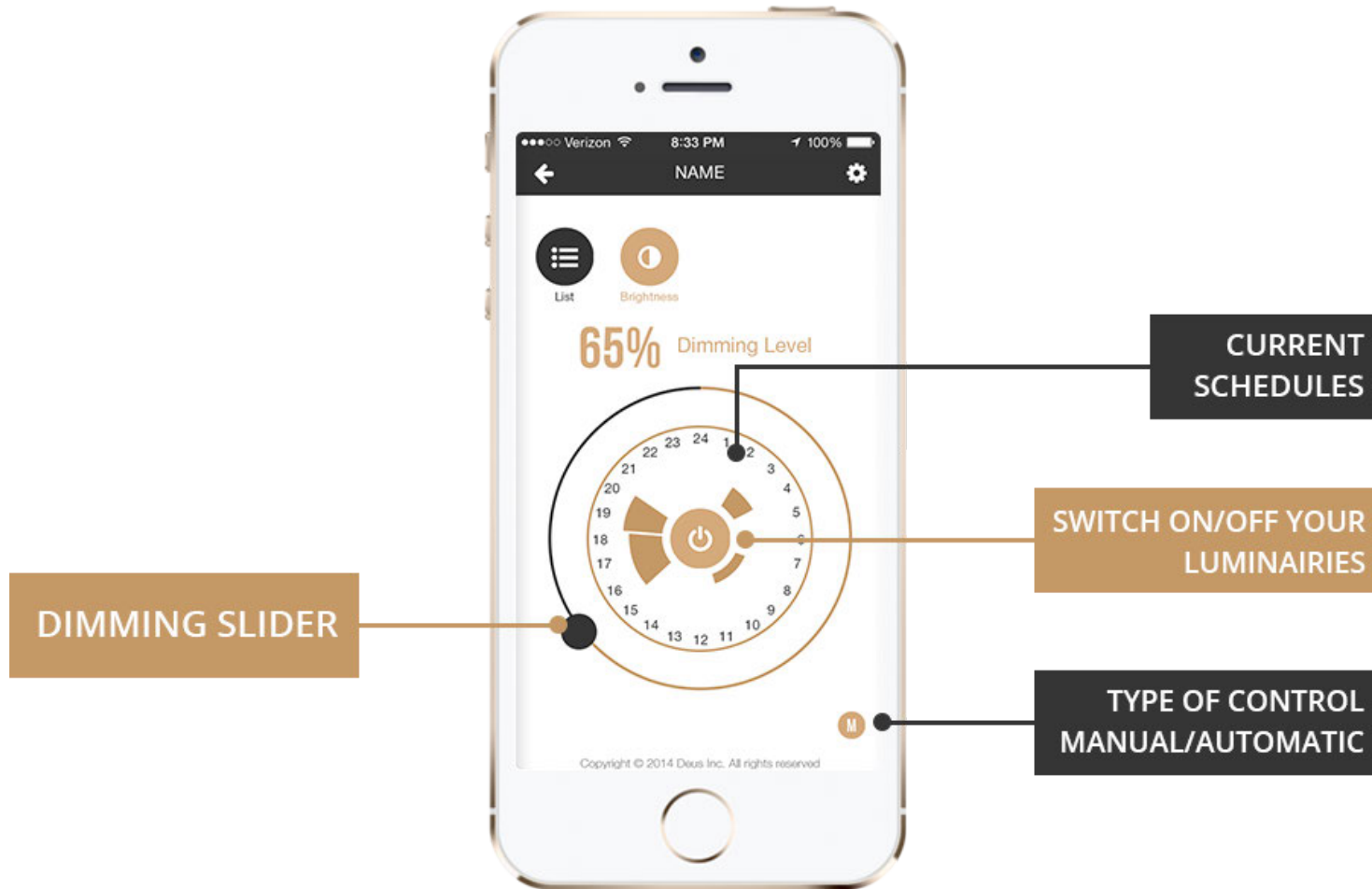
PATENT PENDING



Free mobile applications based on iOS and Android is excellent addition to the system. Applications automatically synchronize with ME6Cloud and upload all changes in the system in real time. Also apps allow you to monitor and manage your system remotely.

# ME6 App MAIN FEATURES

PATENT PENDING





# ME6 App MAIN FEATURES

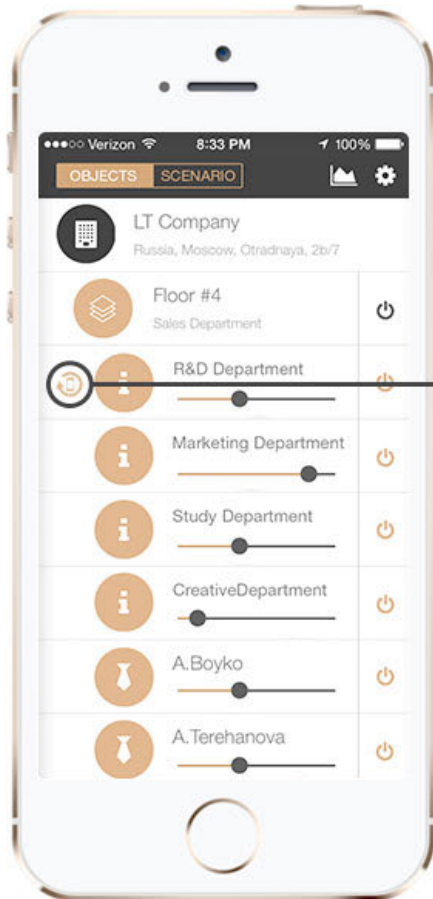
PATENT PENDING



**ENERGY CONSUMPTION**  
Available information on energy consumption in real time or for the chosen period

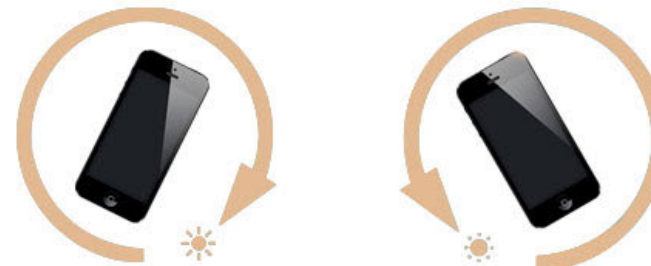
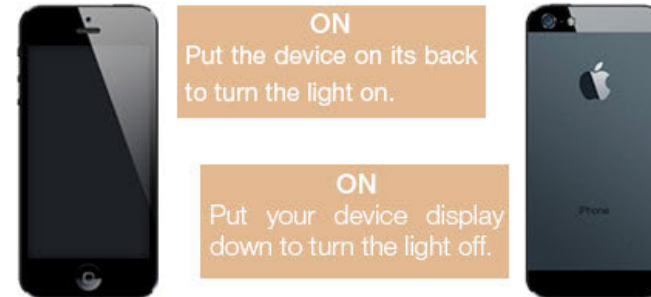
# ME6 App MAIN FEATURES

PATENT PENDING



**FLIP MODE**  
**PATENTED TECHNOLOGY**

Flip Mode allows you controlling the light with the help of accelerometer and magnetometer of your device. Turn on the function by clicking on the Flip Mode icon near the group.



**DIMMING**

Put your device on its back and rotate it clockwise to dim the light on.  
Rotate the device counterclockwise to dim the light off.

**And more than 50 new features in cloud & mobile Apps...**

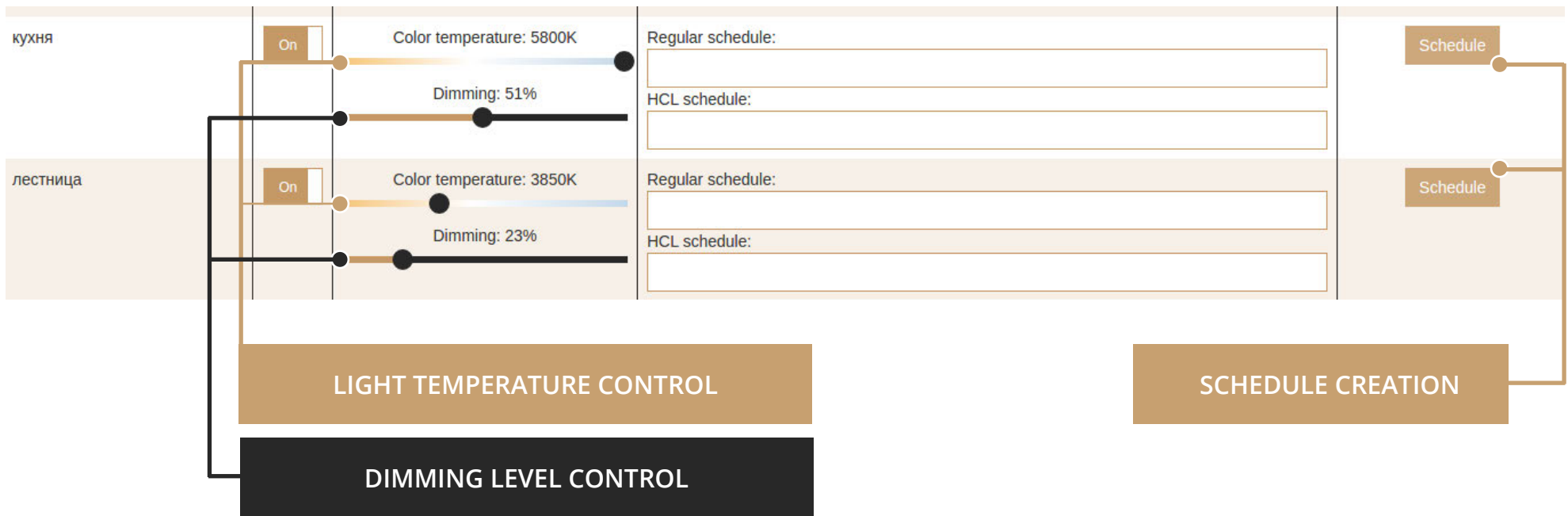
# HUMAN CENTRIC LIGHTING

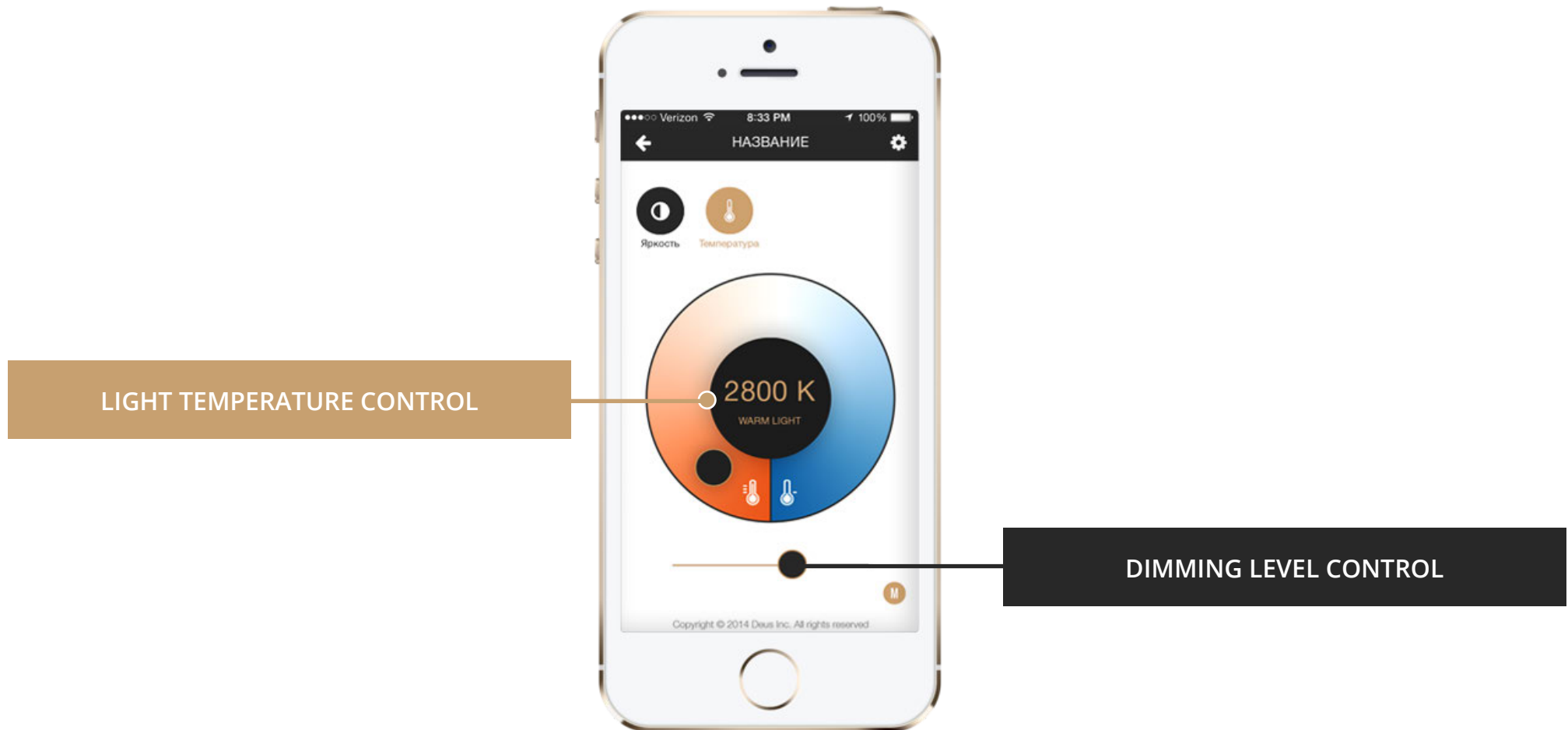
We believe the next generation lighting technology can offer much more than just saving energy. The proper use of dimming and CCT shifting, which is often called Kelvin changing or shifting, can improve circadian rhythms, mood, visual acuity and performance in addition to substantial energy savings and sustainability. Nature scene lensed SSL fixtures may also help improve moods.



**Color Fusion (CF) series fixtures have an ability to control light temperature and light flow.**

**THESE FIXTURES CAN BE CONTROLLED WITH ME6 CLOUD.**



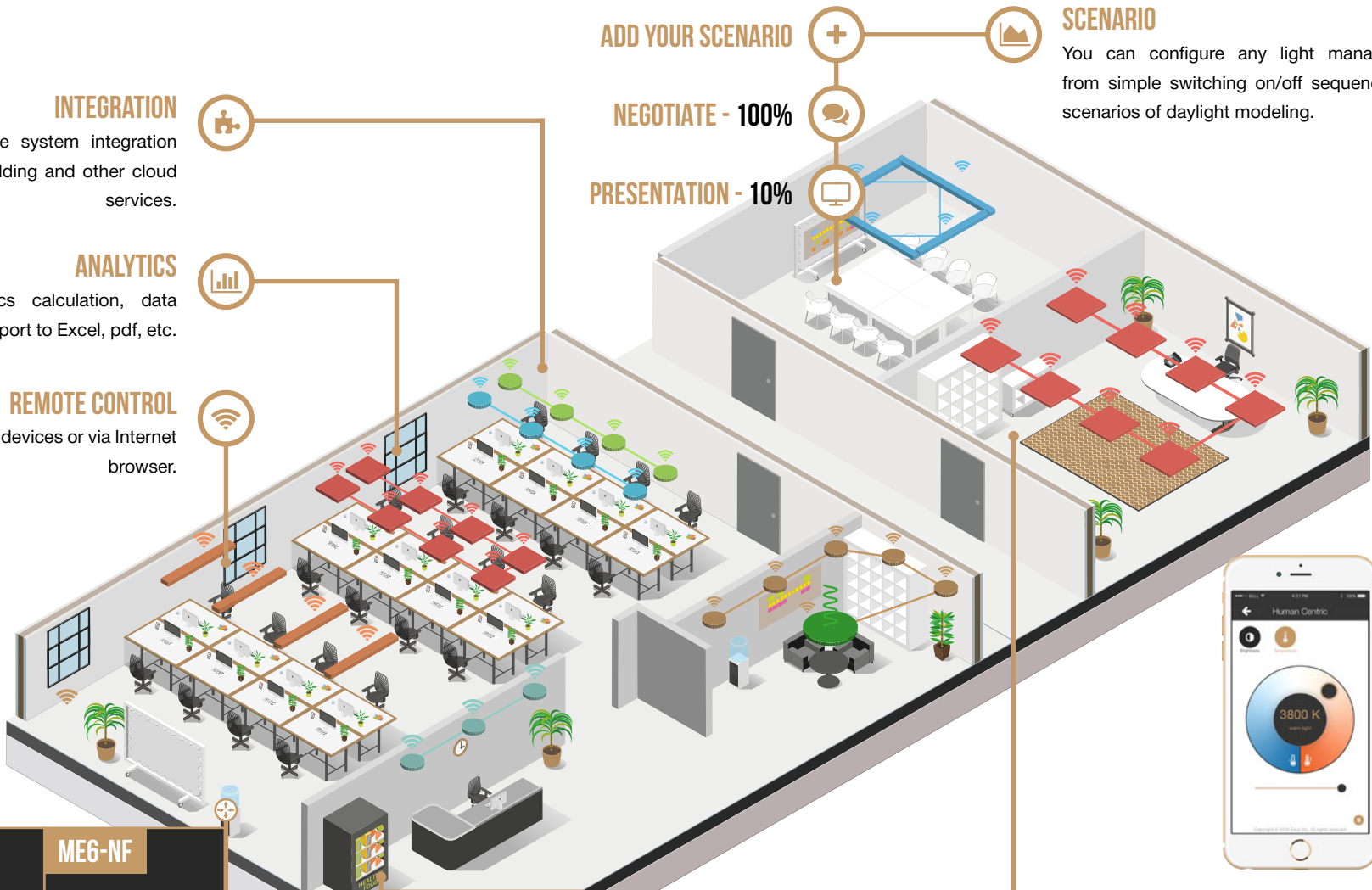


LIGHT TEMPERATURE CONTROL

DIMMING LEVEL CONTROL

ME6 CLOUD functionality  
is fully available in ME6 ENTERPRISE App.

# COMMERCIAL



**INTEGRATION**  
Open API allows ME6 Enterprise system integration with any BMS systems of the building and other cloud services.

**ANALYTICS**  
Resources consumption statistics calculation, data processing and storage, reports export to Excel, pdf, etc.

**REMOTE CONTROL**  
Control by iOS and Android mobile devices or via Internet browser.

**ADD YOUR SCENARIO** +  
**NEGOTIATE - 100%**   
**PRESENTATION - 10%**

**SCENARIO**  
You can configure any light management scenario: from simple switching on/off sequence to unique light scenarios of daylight modeling.

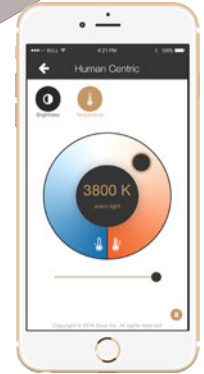


**REMOTE SYSTEM ADJUSTMENT**  
With remote system adjustment you don't need to call an engineer to your office. All the adjustment operations can be done via Internet using protected access.

**RECEPTION SCHEDULE**

9.00-18.00	100%
18.00-22.00	50%
22.00-9.00	10%

**SCHEDULE**  
You can form schedules of the light turning on/off subject to weekends and holidays, as well as the time zones without system readjustment using an intuitive interface.



**HUMAN CENTRIC LIGHTING**  
The use of Human Centric Lighting is not only suitable for the medical and therapeutic sector, but also for the office. ME6 solution allows you imitating the course of the day via Cloud or mobile application. Daylight increases the level of human activity which then reduces during darkness. Afterwards the body changes over to the relaxed sleeping phase. Our ME6 biologically effective lighting system simulates this natural process.

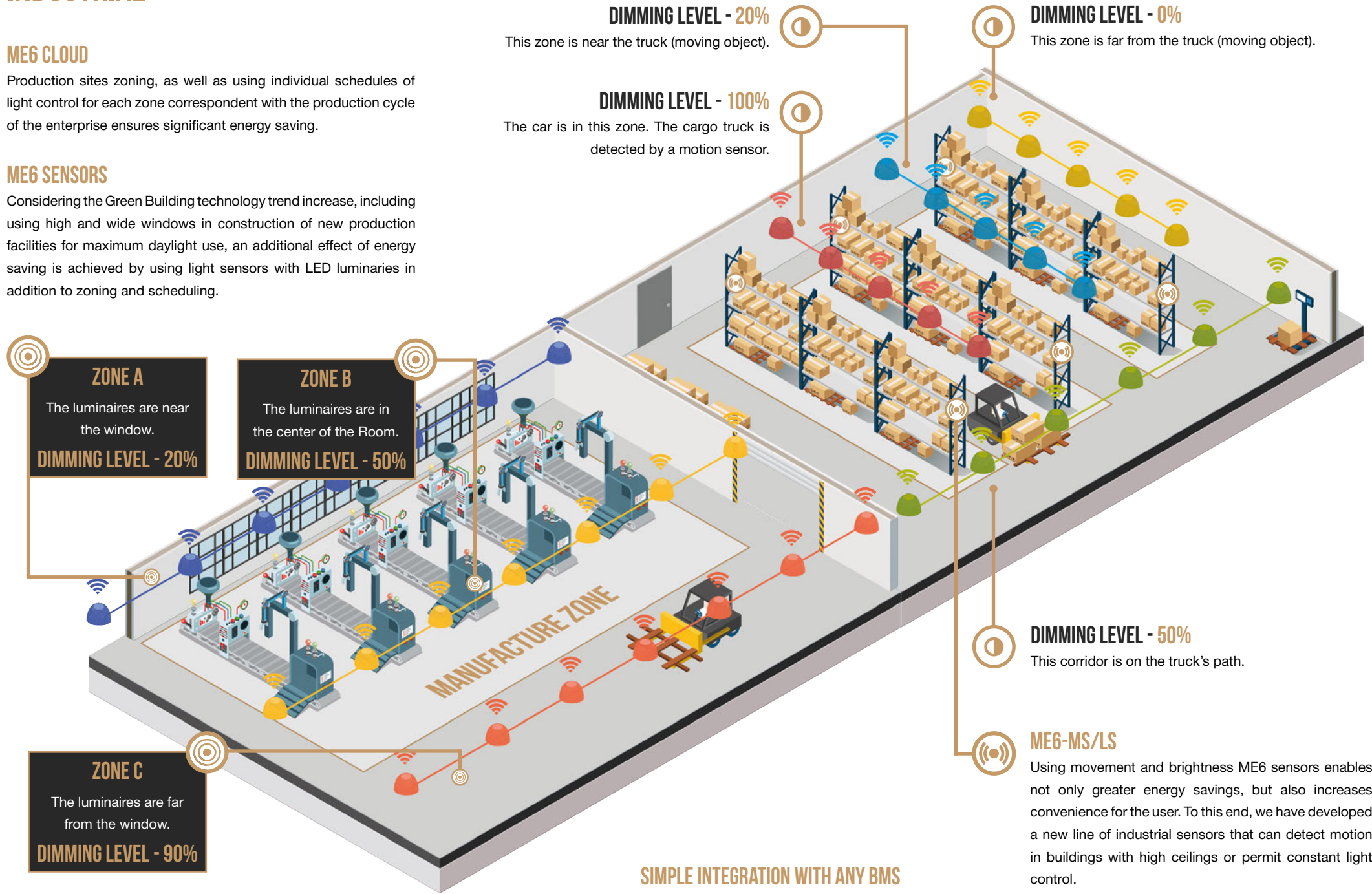
# INDUSTRIAL

## ME6 CLOUD

Production sites zoning, as well as using individual schedules of light control for each zone correspondent with the production cycle of the enterprise ensures significant energy saving.

## ME6 SENSORS

Considering the Green Building technology trend increase, including using high and wide windows in construction of new production facilities for maximum daylight use, an additional effect of energy saving is achieved by using light sensors with LED luminaires in addition to zoning and scheduling.



**DIMMING LEVEL - 20%**

This zone is near the truck (moving object).

**DIMMING LEVEL - 0%**

This zone is far from the truck (moving object).

**DIMMING LEVEL - 100%**

The car is in this zone. The cargo truck is detected by a motion sensor.

**ZONE A**

The luminaires are near the window.

**DIMMING LEVEL - 20%**

**ZONE B**

The luminaires are in the center of the Room.

**DIMMING LEVEL - 50%**

**ZONE C**

The luminaires are far from the window.

**DIMMING LEVEL - 90%**

**DIMMING LEVEL - 50%**

This corridor is on the truck's path.

**ME6-MS/LS**

Using movement and brightness ME6 sensors enables not only greater energy savings, but also increases convenience for the user. To this end, we have developed a new line of industrial sensors that can detect motion in buildings with high ceilings or permit constant light control.

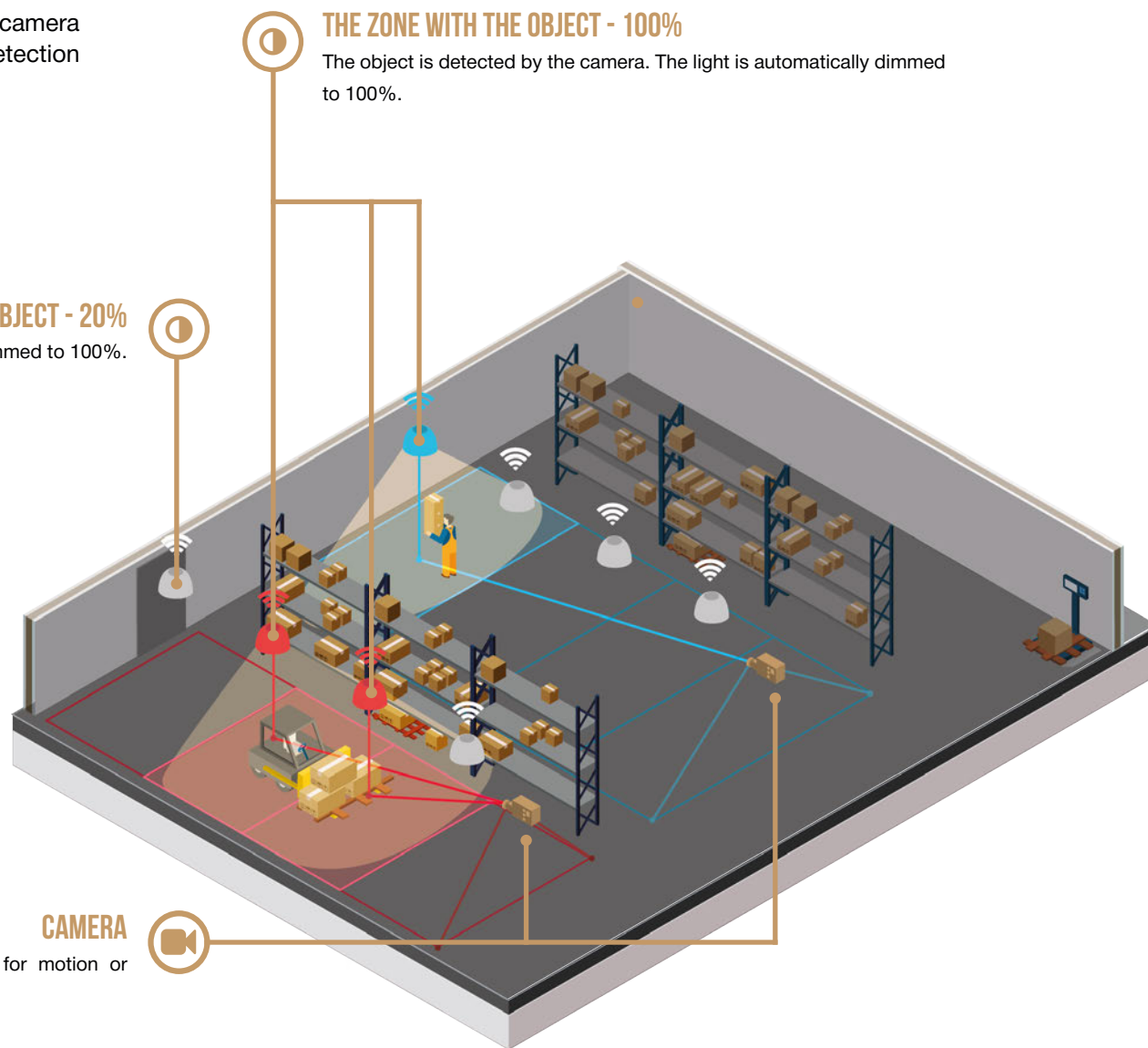
**SIMPLE INTEGRATION WITH ANY BMS**

# CAMERA BASED LIGHTING CONTROL

The open API enables integration with video surveillance camera and can be used instead of the motion or presence detection sensors.

**THE ZONE WITHOUT THE OBJECT - 20%**  
The object left detection zone. The light is dimmed to 100%.

**THE ZONE WITH THE OBJECT - 100%**  
The object is detected by the camera. The light is automatically dimmed to 100%.



**CAMERA**  
Modern video analytics systems can highlight zones for motion or presence detection.

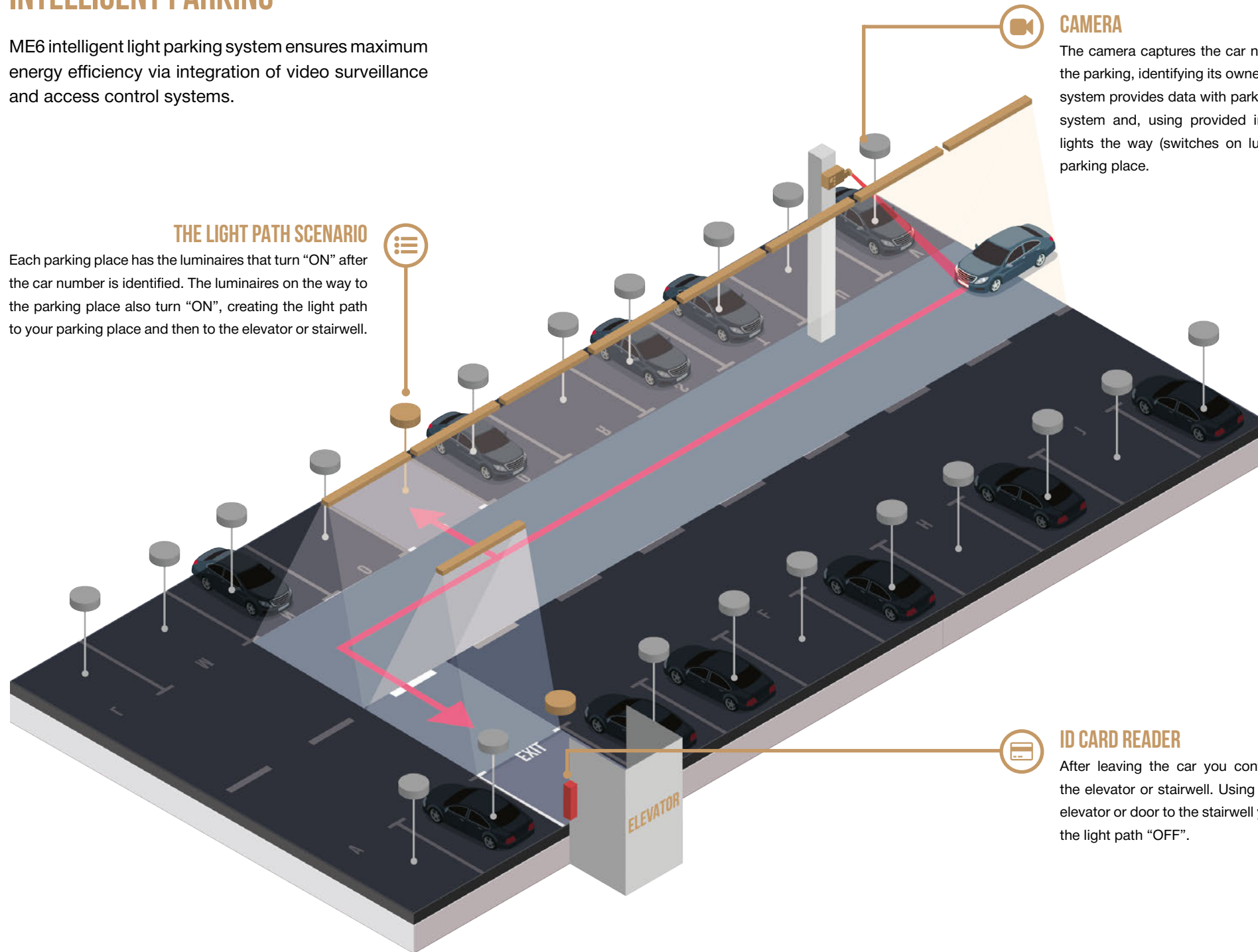


# INTELLIGENT PARKING

ME6 intelligent light parking system ensures maximum energy efficiency via integration of video surveillance and access control systems.

## THE LIGHT PATH SCENARIO

Each parking place has the luminaires that turn "ON" after the car number is identified. The luminaires on the way to the parking place also turn "ON", creating the light path to your parking place and then to the elevator or stairwell.



## CAMERA

The camera captures the car number at the entrance to the parking, identifying its owner. Then video surveillance system provides data with parking place number to ME6 system and, using provided information, ME6 system lights the way (switches on luminaires) to the owner's parking place.

## ID CARD READER

After leaving the car you continue the lighted way to the elevator or stairwell. Using your ID card to open the elevator or door to the stairwell you turn the scenario with the light path "OFF".

# WIRELESS LUMINAIRES WITH INTEGRATED BLUETOOTH 4.X AND BEACON TECHNOLOGY

## NOTIFICATIONS

The system sends push notifications of the advertising campaigns to your mobile device after passing by some goods racks.



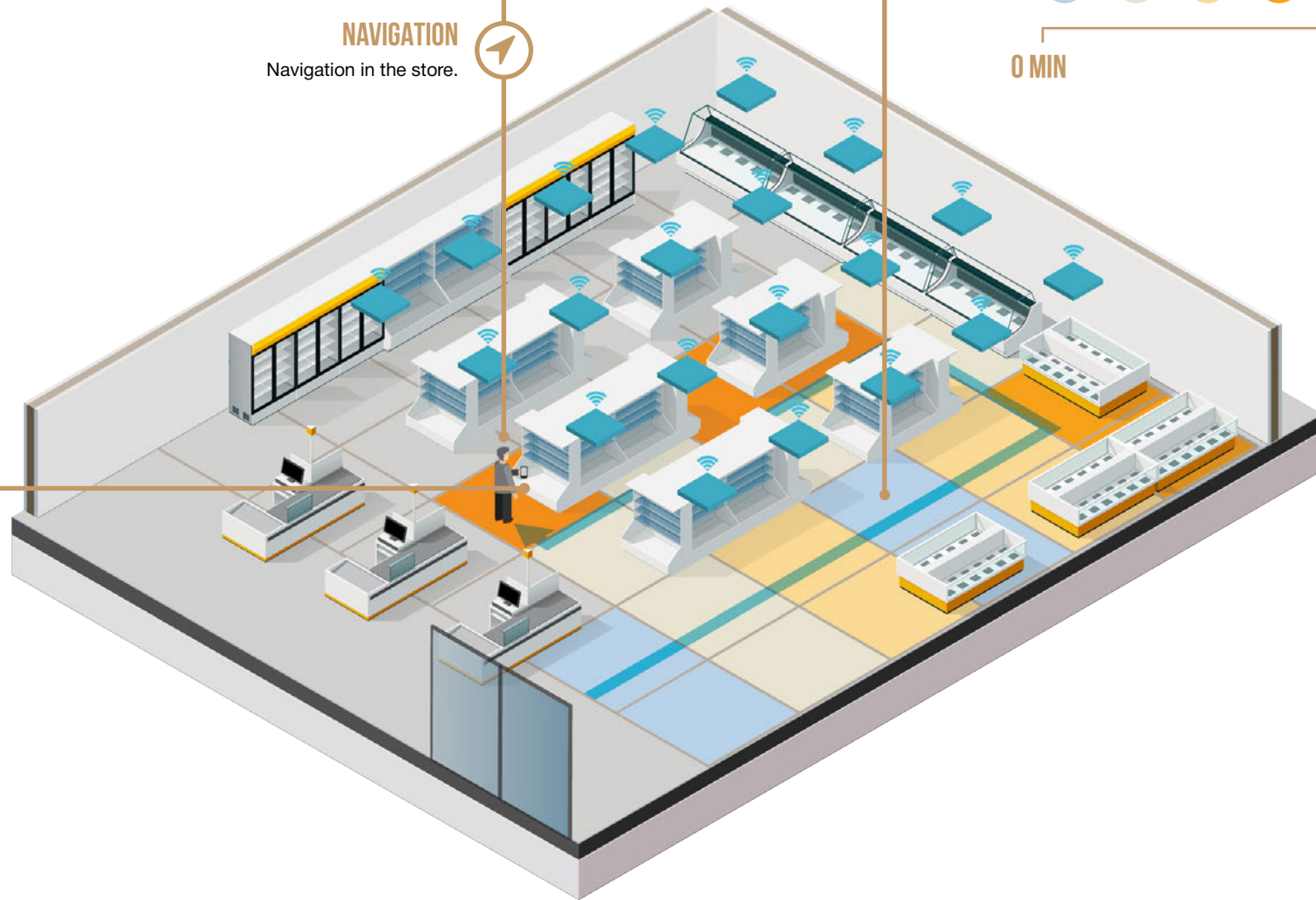
## NAVIGATION

Navigation in the store.



## HEAT MAP

Time spent by a customer in different store sections is collected by a system helping to build a heat map of the store.



# 3G TECHNOLOGY BASED STREET LIGHTING CONTROL



## ME6-NS

Wireless control module for outdoor luminaires based on DALI protocol.



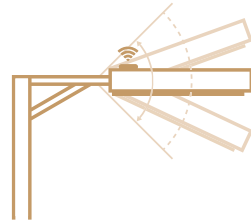
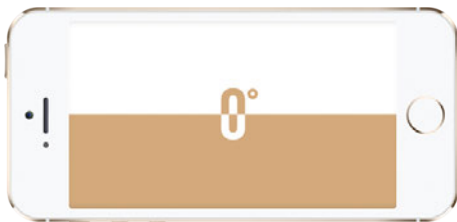
## BUILT-IN GYROSCOPE

The gyroscope built into the wireless control module allows to define the luminaire's tilt angle and track emergency situations.



## TILT ANGLE

The gyroscope allows to define the luminaire's tilt angle that simplifies the installation and adjustment to a correct position.



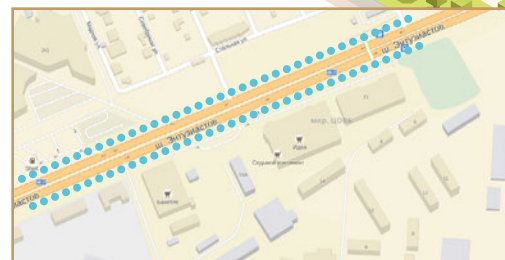
## EMERGENCY SITUATION

In emergency situations (eg, in case of accidents) the system monitors the tilt angle of the luminaire's mast notifying about possible problems. This information allows to quickly evaluate the situation to begin the repair works as soon as possible.



## GLOPASS

The control module is connected to the GLOPASS system that allows you to track luminaire's positioning, automatically placing them on the map.



Transmits data to the ME6 Cloud from ME6-NS modules.



## GSM STATION

### OPTION 1

Radiation sensor. Used for radiation measurement.

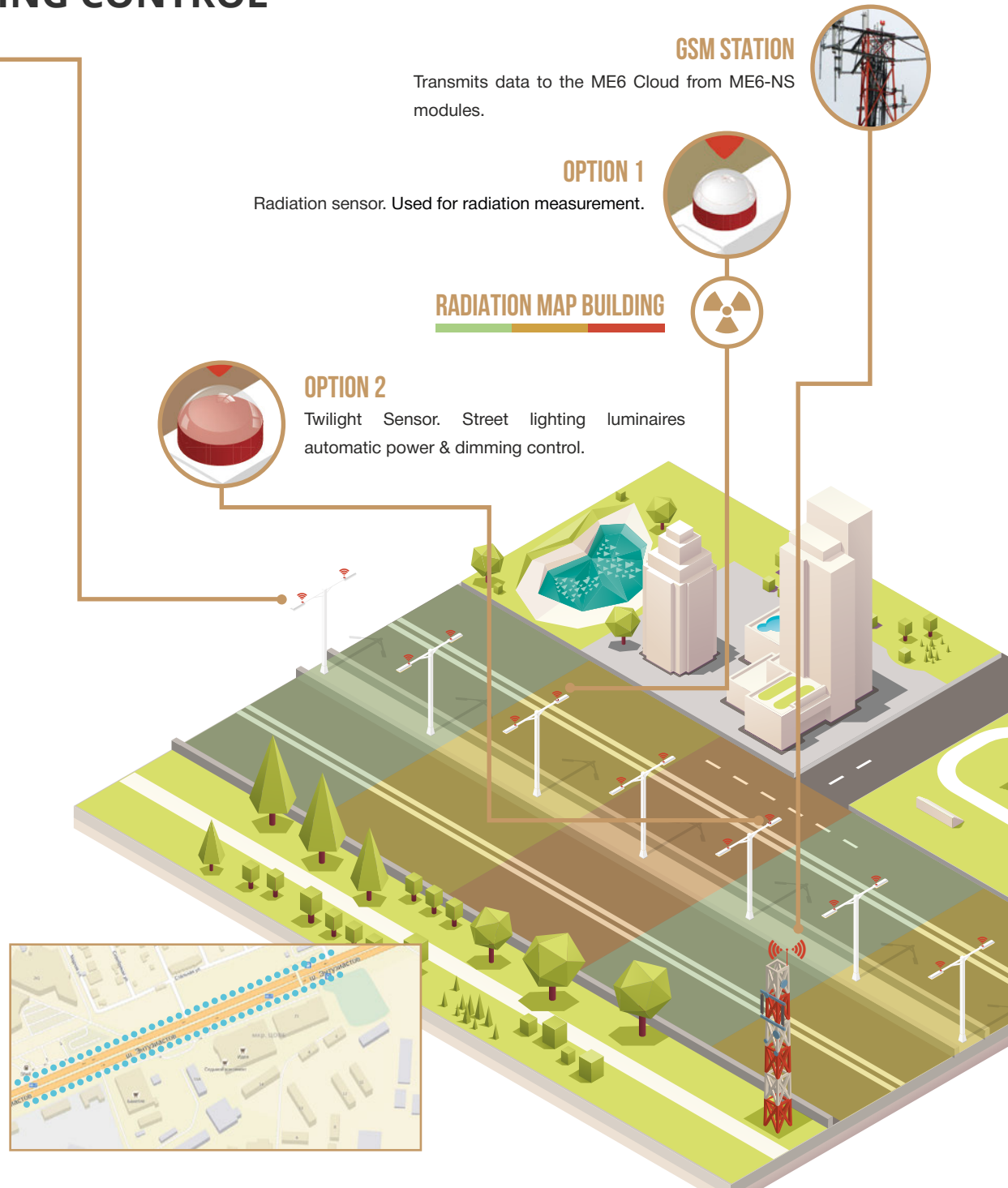


### RADIATION MAP BUILDING



### OPTION 2

Twilight Sensor. Street lighting luminaires automatic power & dimming control.



# CUSTOMERS & PROJECTS



## Talion Terra

**TALION TERRA**

Storage and production facilities in the town of Torzhok

**40000 M<sup>2</sup>**



**TECHNONIKOL**

Storage and production facilities in the city of Ryazan

**2000 M<sup>2</sup>**



**URALMASH**

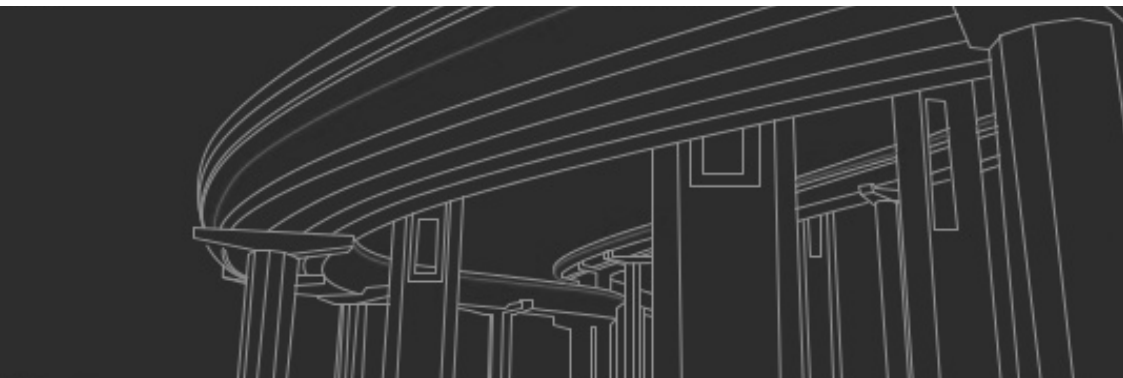
Storage and production facilities in the city of Yekaterinburg

**7056 M<sup>2</sup>**



**RETURN OF INVESTMENTS UP TO 3 YEARS**

# CUSTOMERS & PROJECTS



**TRIGRAD**

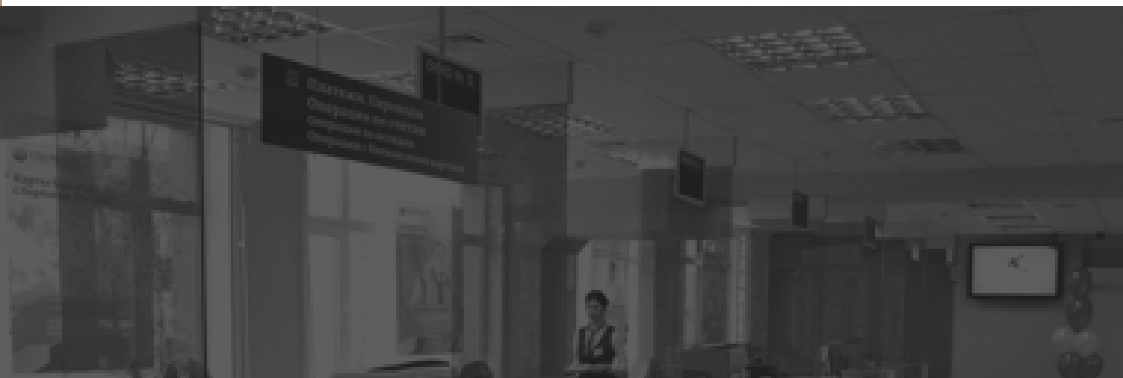
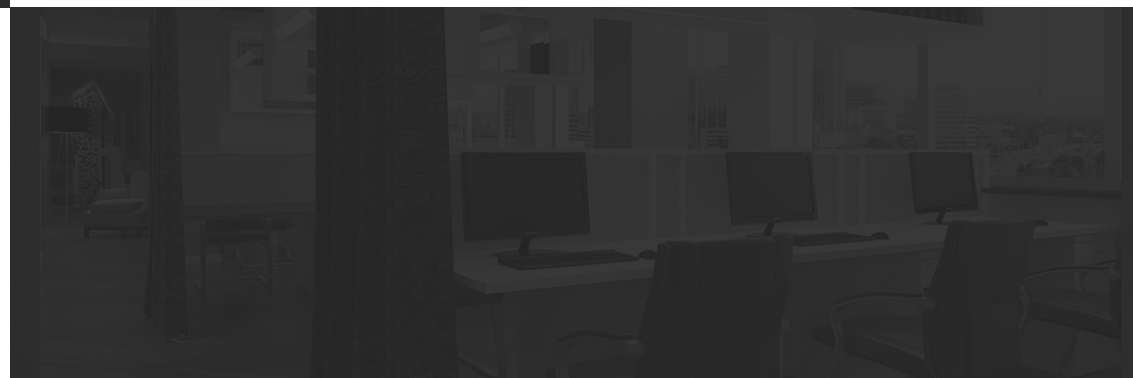
**TRIGRAD-YAKIMANKA**

**600 M<sup>2</sup>**



**MB PROJECT**

**600 M<sup>2</sup>**



**SBERBANK**

Office and bank branch in the city of Samara

**1250 M<sup>2</sup>**

**RETURN OF INVESTMENTS UP TO 3 YEARS**

PROJECTS IMPLEMENTED JOINTLY WITH



## BOPP PRODUCTION FACILITY

Shahty, Biaxially-Oriented Polypropylene (BOPP) facility construction

## THE BIG STATE CIRCUS ON PROSPEKT VERNADSKOGO

Moscow, prospekt Vernadskogo, 7

# WE OFFER SOLUTIONS FOR LIGHTING SYSTEMS

## PROJECT STAGES

- Object analysis
- Lighting calculations and equipment selection
- Implementation of energy efficiency algorithms
- Calculation of the payback period of the project
- Installation supervision , training and further client support

