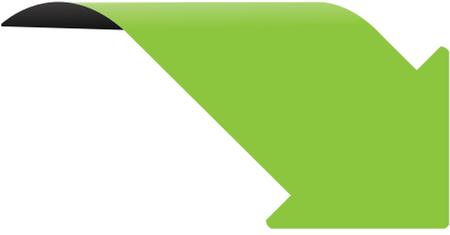


# BRIGHT FUTURE

Energy-Saving Lighting Systems



# WHY CHOOSE EKOMOND?

## IT IS MORE ECONOMICAL!

Replacing your inefficient lighting system with a new one can save you up to 85% of energy consumption and lower maintenance costs !

01

## WE ENABLE FINANCING!

You can finance the new lighting system installation with your energy savings by choosing pay-as-you-save option. That means that you pay your investment monthly with the amount of your monthly saving.

04

## WE GUARANTEE TOP QUALITY!

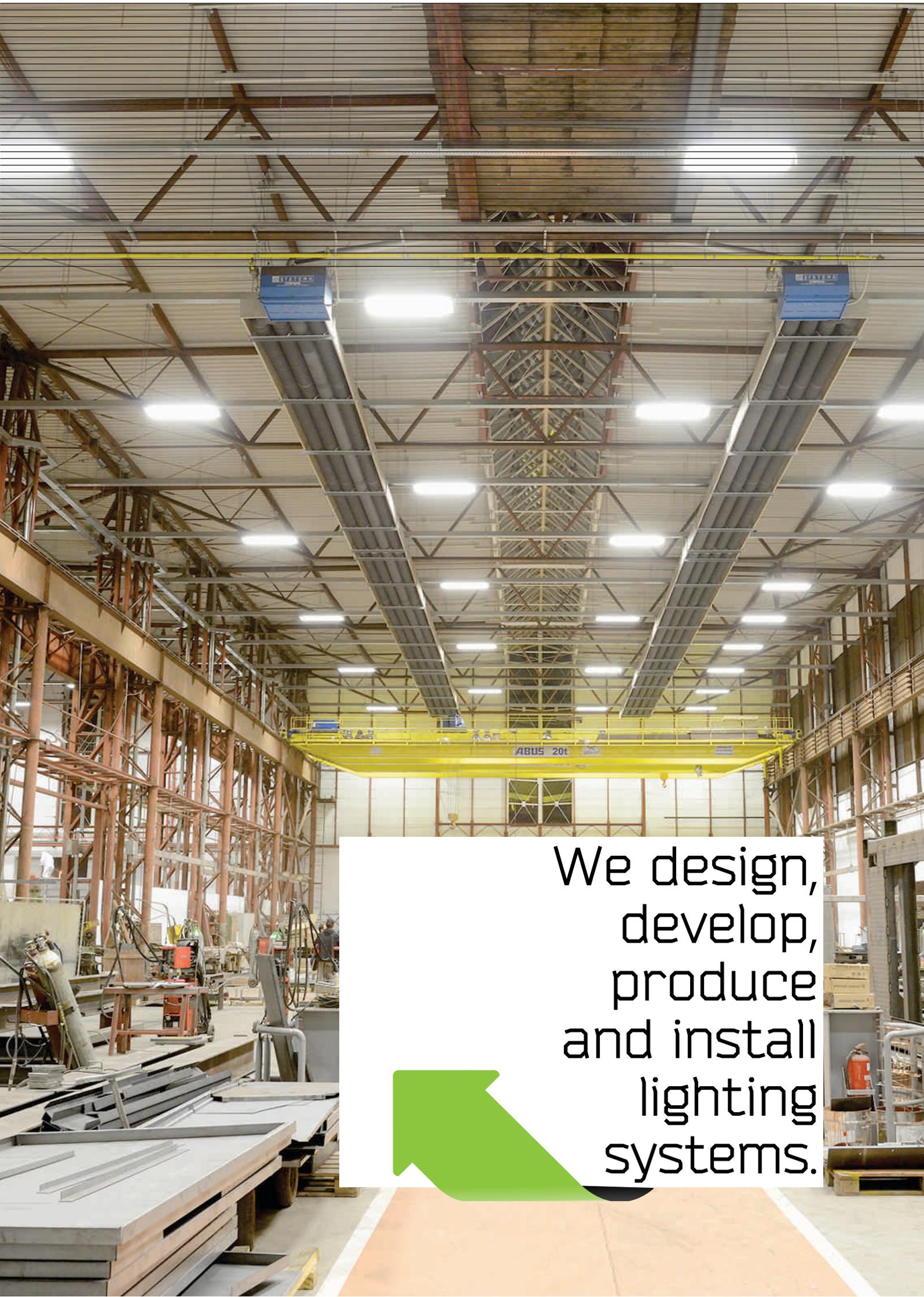
We have chosen and developed premium components for our luminaires, which conform to the highest EU-standards. The quality of the products is diligently tested throughout the entire production process.

02

03

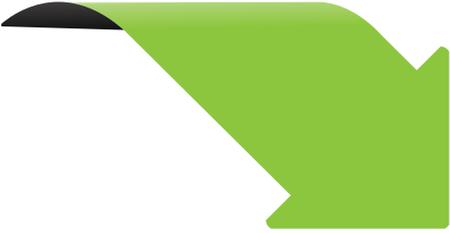
## QUICK RETURN ON INVESTMENT!

The return on investment (ROI) will be set down to a day precisely. ROI shortens whenever the price of electricity rises. The return on investment can be reached as early as in 1-3 years.



We design,  
develop,  
produce  
and install  
lighting  
systems.





# WHY REPLACE?

## Ekomond = less consumption

Replacing your lights with a new energy-efficient lighting system can save you up to 85% in energy consumption and significantly reduce maintenance costs.



01

### PROJECT PREPARATION WITHOUT COSTS OR OBLIGATIONS.

Our experts thoroughly check the condition of your current lamps. Then we prepare a computer simulation with our new lighting system with exact calculations of your potential savings, luminosity and return on investment. Then, the decision to invest is much easier.

### CLIENT CARE AND PROFESSIONAL SUPPORT

The entire project is carried out on a turn-key basis by experienced contractors. We can also advise you in case you carry out the installation on your own. We will look after your requirements throughout the entire project.

## Ekomond = less CO2

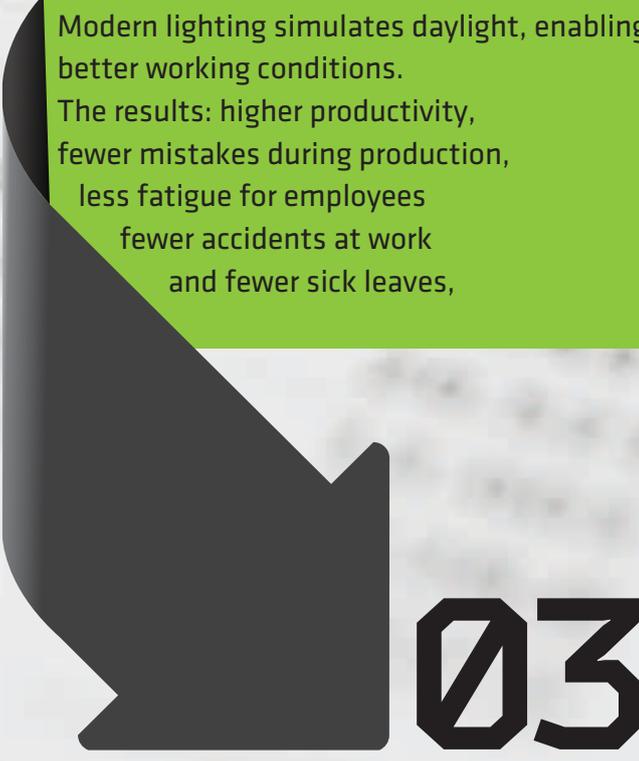
Replacement of your lighting system and smaller electricity consumption lowers the CO2-emissions as well.  
Your company will be more environmental friendly and receive lower environmental taxes.



02

## Ekomond= higher productivity

Modern lighting simulates daylight, enabling better working conditions.  
The results: higher productivity, fewer mistakes during production, less fatigue for employees  
fewer accidents at work  
and fewer sick leaves,



03

Lower electricity consumption  
by up to 85%

Lower CO2 emissions by  
up to 85%

Return on investment = 1–3 years

On average more than  
100% increased brightness

100% financing (monthly payments,  
Pay as you save, no investment)

Your savings can reach hundreds of  
thousands of Euros after 15 years.



# FINANCING THE PROJECT

## Pay as you save

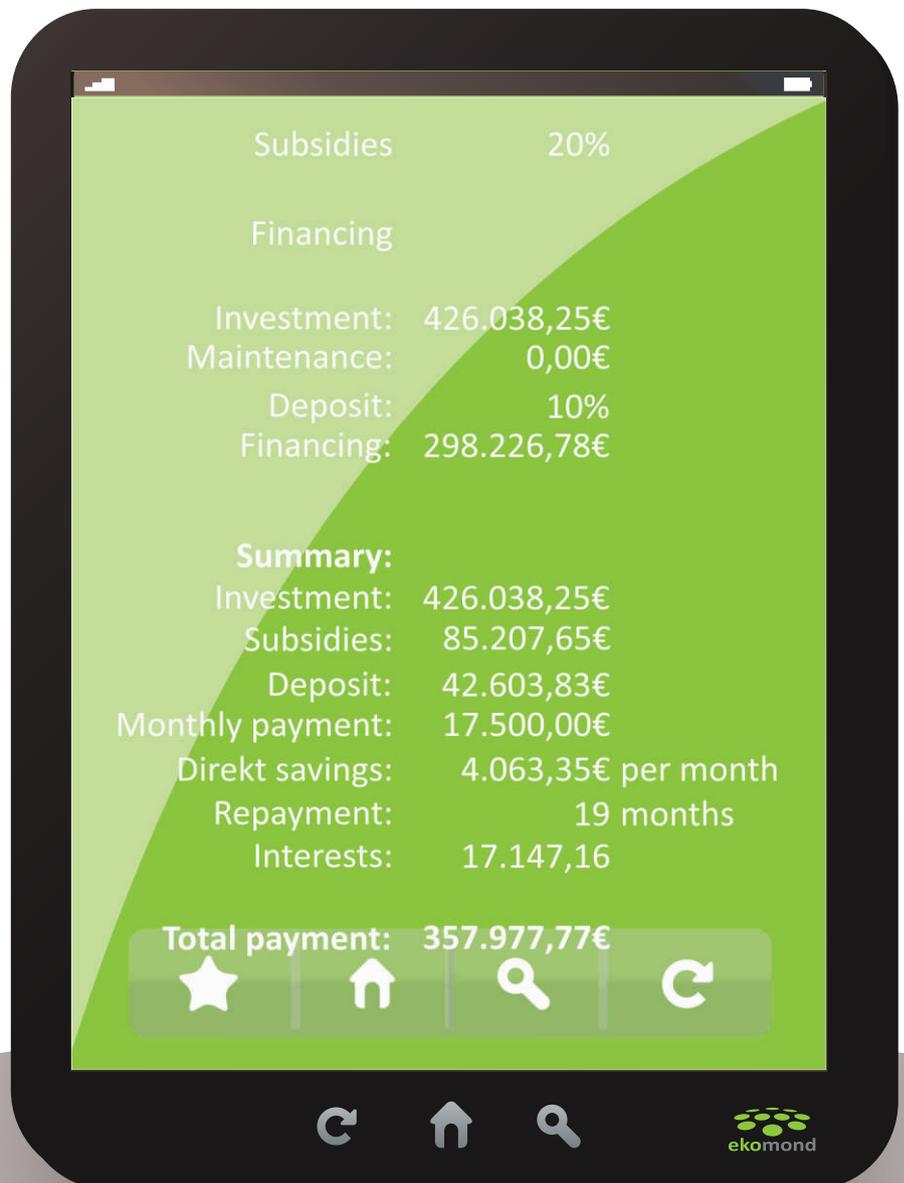
Our company offers you to pay your lighting system with the »Pay as You Save« option. After you replace the inefficient old lighting with Ekomond energy-efficient lighting system, you can finance

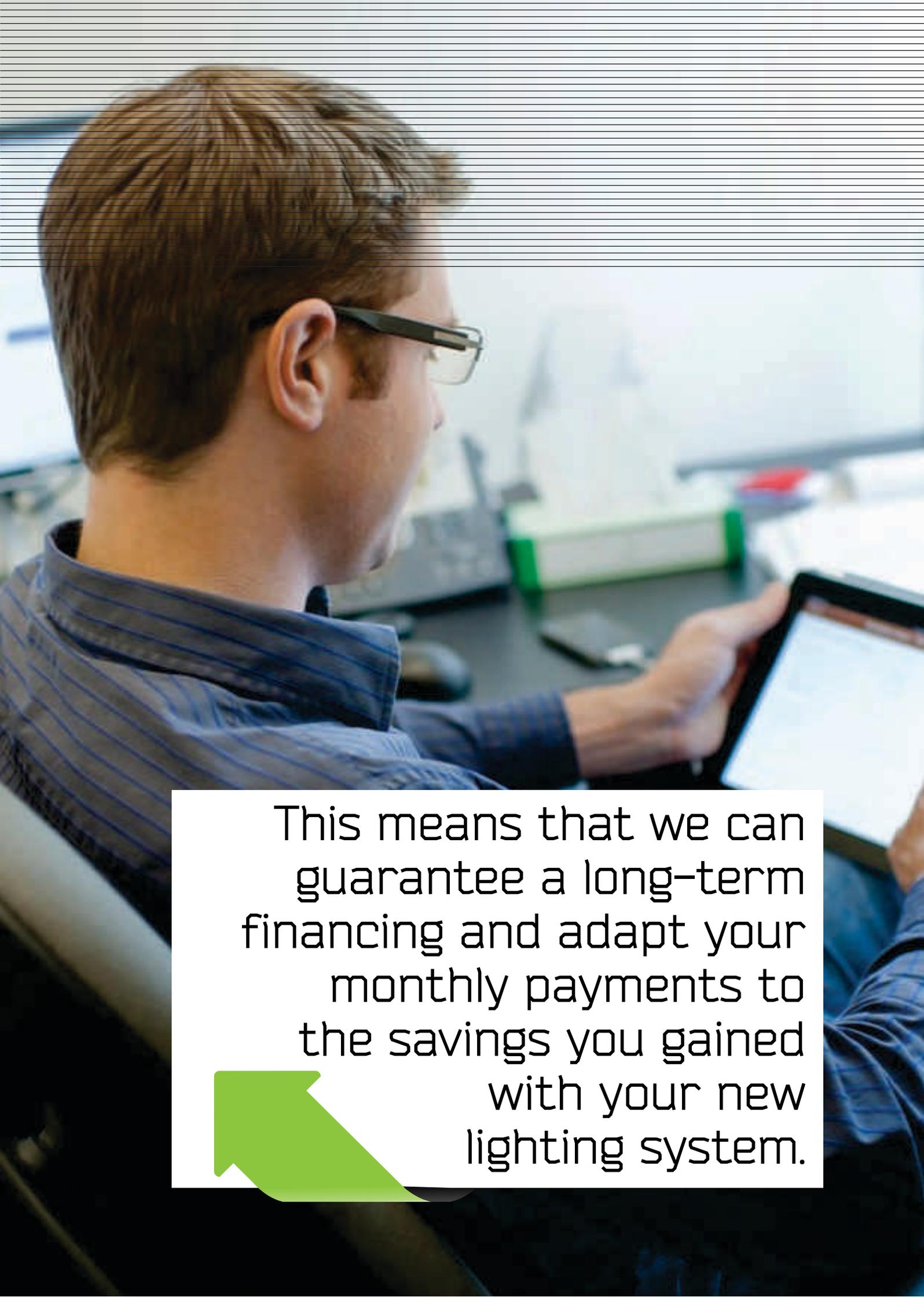
your investment with monthly savings. You pay your first monthly payment after the investment, that is when you have already saved your monthly obligation.

### Example:

Investment into new lighting:	100.000,00€
Yearly savings:	70.000,00€
Monthly savings:	5.833,34€
Monthly payment:	5.833,34€
Basis for financing:	100.000,00€
Number of payments:	19
Interests:	5.786,19€
Cost of entire investment:	105.786,19€

Calculated savings will be based on precise calculations and measurements that will be carried out before you decide to choose the financing option. When your investment is settled, the lighting system is officially yours.



A man with short brown hair and glasses, wearing a blue and white striped button-down shirt, is shown in profile from the chest up. He is holding a tablet computer with both hands and looking at the screen. The background is a blurred office environment with desks, papers, and office equipment. A white text box with a green arrow pointing towards the text is overlaid on the bottom left of the image.

This means that we can guarantee a long-term financing and adapt your monthly payments to the savings you gained with your new lighting system.



# INTELLIGENT LIGHTING SYSTEM

The Ekomond intelligent lighting regulation system will increase energy savings. The controller operates with the help of sensors on the impact of natural light, the presence of persons and pre-scheduling.

The automatic mode of operation to the impact of natural light is used in places where at different hours of the day work can be carried out without artificial light. The automated system takes care that, if necessary, lights are switched on/off accordingly to the level of external light and additionally save electricity.

The system can be controlled by motion sensors as well. This type of control is appropriate for areas such as warehouses, boiler rooms, hallways, i.e. areas with less activity.

You can save even more by setting schedules (the lights are off during lunchtime, breaks, etc.) and

follow the functioning and system consumption directly or through a computer.

Avoiding human interference and leaving everything to automatic control is usually the best option.

We offer two kinds of regulation in view of the conditions: DIMM-ing and 0%-50%-100%. If you need a constant light level, we suggest that you use DIMM regulation, which adapts the power of lights to natural light continuously and maintains the desired level of illumination at all times

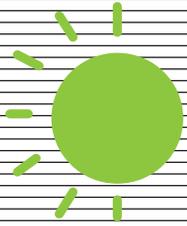
In areas in which constant light is not necessary, we recommend that you use 0%-50%-100%. The controller turns off half of the tubes in the luminaire, depending on the natural light.

DIMM regulation can save up to 35% of costs, while the 0%-50%-100% system saves up to 25%.

## Advantages of Ekomond Intelligent Regulation System

15-35% extra savings on electricity consumption.
The system is adapted to the user's actual needs.
Gathering and calculation of data on energy consumption.
Option to set time intervals for each day (lunch time, break, etc.) for less electricity expenditure.
Ability to change parameters.
Manual, semiautomatic or automatic control.

LIGHT  
SENSOR



MOVEMENT  
SENSOR



WEB ACCESS  
REMOTE  
CONTROL



SCHEDULE



TOUCH  
SCREEN



# EKOMOND INTELLIGENT LIGHTING SYSTEMS

LESS  
MAINTENANCE

EXTRA  
SAVINGS  
15% - 35%

NO  
HUMAN  
FACTOR



# VEGA SERIES LIGHTING

## VEGA 2 2 tubes



## VEGA 4 4 tubes



The Vega Series is a top quality energy saving luminaire with exceptional lighting efficiency. It is suitable for the most difficult conditions in industry. This series is the result of our own knowledge and long-term cooperation with experts. The light saves up to 85% in electric lighting costs. Return on investment ranges from 2 to 5 years, in exceptional cases even less.

### **Imitate daylight**

With artificial lighting from our Vega lights you can imitate the color of daylight, which increases employee's productivity, reduces fatigue and employees have much better space perception. This way, mistakes during work and the rate

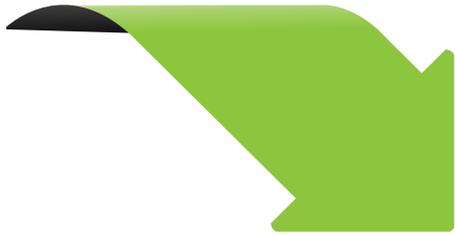
of sick leaves are reduced. This luminaire is suitable for industrial areas with heights between 3,5m to 30m, in exceptional cases even more. As the housing is completely welded, the light is extremely resistant to moisture, dust and vibrations and suitable for areas with extreme conditions, such as ironworks, glass factories, or foundries, etc.

A special feature is the industrial ballast with a life span of up to 200,000 hours. It is also protected against vibrations, oscillations and electric shocks. These features are particularly important to endure high temperatures, as high temperatures greatly reduce the life span of lights.



#### VEGA

Housing	Completely welded, powder coated steel tin
Diffuser	Highly translucent tempered glass, scratch-resistant
Reflector	Specifically made from highly reflective Alanod material
Protection	IP65
Work area temperature	Ta -30°C to 70°C
Ballast	EVG, 200.000h at T. 50°C - extended lifespan
DIMM ballast	EVG, 100.000h at T. 50°C
Tubes	T5, 24.000h - 60.000h lifespan
Warranty	3 to 5 years, or according to contract
Manufacture	ISO 9001:2009 in EU



# AURA SERIES LIGHTING

## AURA 2 2 tubes



## AURA 4 4 tubes



The AURA series is a top-quality energy-efficient luminaire with exceptional lighting efficiency. It is suitable for areas with difficult conditions. This series is the result of our own knowledge and long-term cooperation with experts. The light saves up to 85% of electric lighting costs. Return on investment ranges from 1 to 3 years, in exceptional cases in even less.

### **Imitate daylight**

With artificial lighting from our Aura lights you can imitate the color of daylight, which increases employee's productivity, reduces fatigue and employees have better space

perception.

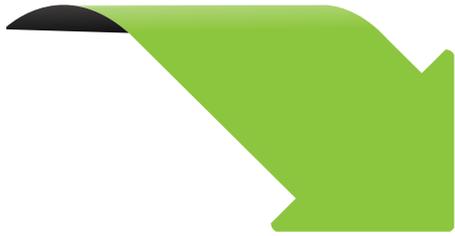
This way, mistakes during work and the rate of sick leaves are reduced.

This luminaire is suitable for industrial areas with heights between 3,5m to 30m, in exceptional cases even more. It is most suitable for use in production workshops, storage areas, sports centers, warehouses, etc. It is especially intended for use in areas with less moisture and dust. Its special feature is a ballast with a life span of 100,000h, high lighting efficiency and minimal maintenance.



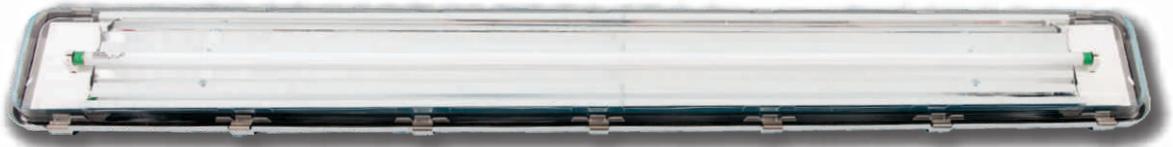
#### VEGA

Housing	Powder coated steel tin
Diffuser	Highly translucent tempered glass, scratch-resistant
Reflector	Specifically made from highly reflective Alanod material
Protection	Ip54
Work area temperature	Ta -30°C to 50°C
Ballast	EVG, 100,000h at 50°C (optional: 200,000h at 50°C)
DIMM ballast	EVG, 100.000h at T. 50°C
Tubes	T5, 24.000h - 60.000h lifespan
Warranty	3 years, or according to contract
Manufacture	ISO 9001:2009 in EU



# LOWBAY SERIES LIGHTING

## LOWBAY 1



## LOWBAY 2



The Lowbay series is an energy saving luminaire for most difficult industrial areas. The lamp saves up to 60% in electricity consumption. Return on the investment ranges from 1 to 2 years, in exceptional cases even less.

This luminaire is intended for areas with heights between 2 and 6 m. Its resistance

to moisture, dust and high temperatures makes the luminaire suitable for areas with difficult conditions, such as factory halls, workshops with low ceilings, and boiler rooms. Its special feature is a ballast with a life span of 100,000h, high energy efficiency and very resistant housing.



#### VEGA

Housing	UV-resistant polycarbonate
Diffuser	UV-resistant polycarbonate / PMMA
Reflector	Specifically made from highly reflective Alanod material
Protection	Ip67
Work area temperature	Ta -30°C to 50°C
Ballast	EVG, 100,000h at 50°C (optional: 200,000h at 50°C)
DIMM ballast	EVG, 100.000h at T. 50°C
Tubes	T5, 24.000h - 60.000h lifespan
Warranty	3 years, or according to contract
Manufacture	ISO 9001:2009 in EU



# PROJECT- PREPARATION

## Inspection of facility

Including: area measurements, illumination measurements and revivie of your current lighting. Based on aquired data we calculate your current electric consumption.

## Simulation design

Using floorplans and aquired data, we draw a model of the areas and place our luminaires on various positions until an optimal lighting is reached according to your demands.

## Study preparation

On the basis of the simulation, we calculate the consumption of electricity, illumination and the return on investment. Than we recommend which luminaires should be replaced.

During implementation of the first lighting, the project will be based on the enclosed plans drawn in ACAD.

3D  
Simulation  
of your  
building



# INSTALLATION



## Turn-Key basis

Projecting the simulation we already turn our attention to locations where we will later install our lamps. It is our intention to use the existing infrastructure to reduce the cost of your investment and save time. The installations are carried out by experienced and reliable professionals. We only use installation materials that fit the highest EU standards. The replacement of the old or implementation of new lighting systems will be executed on a turn-key basis with minimal modifications of your areas. We also take care not to interrupt with your workflow.

Because of the simplicity of our systems, electrical installers from your company or trusted professionals can also install the lights. We will offer them professional guidance, so that the installations will be carried out without delays and errors.

The luminaires have quick connectors (Vega Series) and optionally a meter of cable ready to be connected to the dose (Aura Series) to enable a fast and simple connection.

Finally our experts connect the intelligent regulation system and test the entire lighting system. They measure the levels of illumination and write a report for you.

## Safety lighting

Our safety lighting is in accordance with all law regulations. During the preparation of the project we cooperate with your safety engineer, so that he can point out the evacuation routes, safety exits and the positions of fire extinguishers. You can choose between several options of safety lighting: battery modules built into lamps, safety lights, pictogram lights, connection to the central battery system, or an installation of your choice.



# REFERENCES

## SAVATECH



### 350% increase in level of illumination

In Savatech, the level of illumination was very low. The employees had difficulty carrying out their tasks, which is why the project was more oriented towards higher illumination than energy saving. The level of illumination was raised by at least 210% up to 350%. Despite that, the company still saved 43%– 55% in energy consumption in different areas. As the production process could not be stopped, our installers carried out the

project without interfering with the working process.

Intelligent Regulation System

We used the Ekomond Intelligent Regulation System. This system measures the level of natural light in the room and adjusts the level of illumination accordingly. The light are turned on and off depending on the need..

Savings

50%

Illumination

+350%

CO2-emission

-321  
tons/jr

ROI

5,1  
yrs

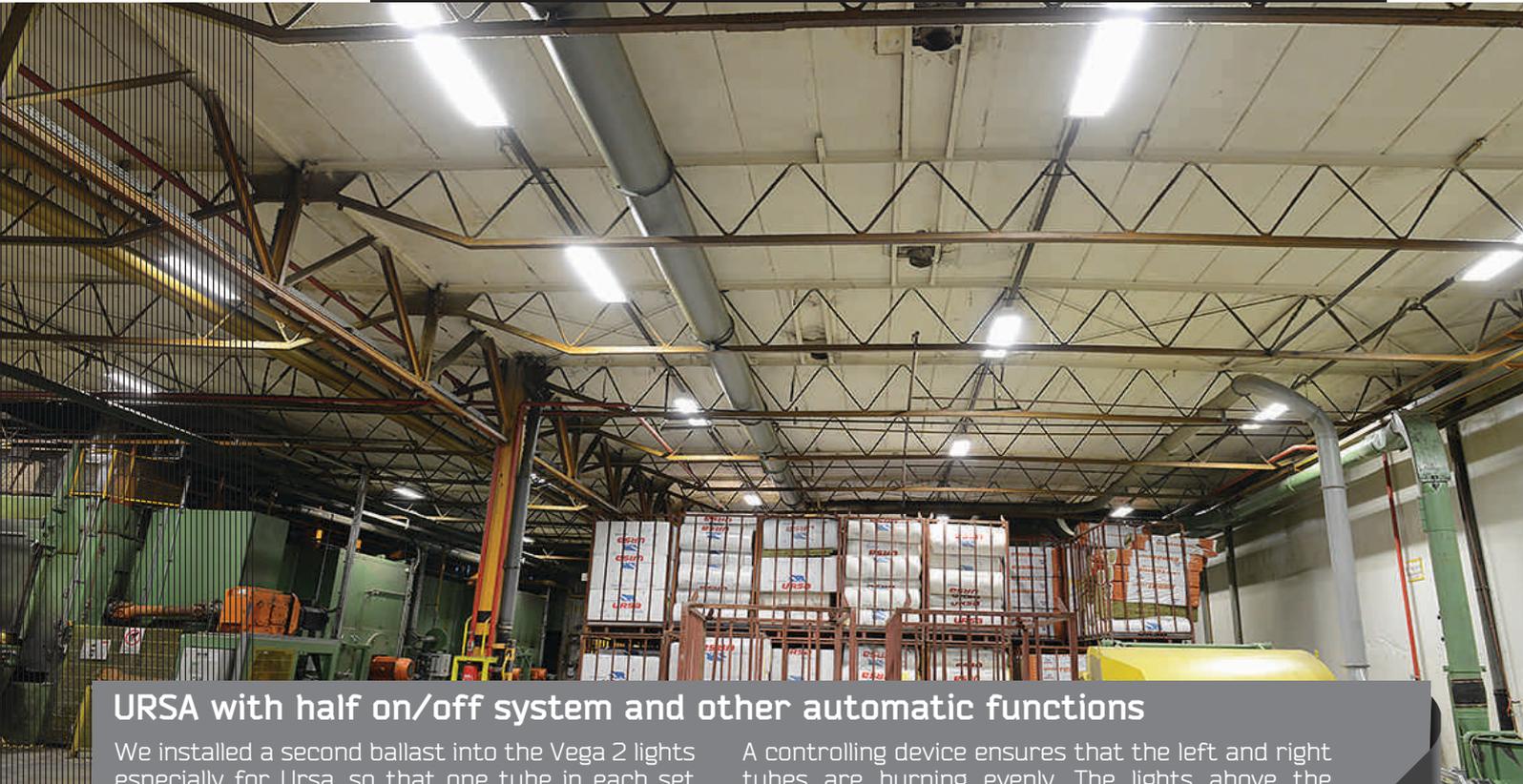
Ekomond Company carried out the renovation of lighting in three of our production workshops, measuring a total of 18.000m<sup>2</sup>. As it had been a large project and we had not known the contractor by then, we decided to test the suitability of each solution. The implementation of the project ran as agreed, and after two years we concluded the effectiveness and quality of the system.

Matej Roblek  
Director of Plant Ingeeniring

# REFERENCES



## URSA INSULATION SLOVENIJA – URALITA GROUP



### URSA with half on/off system and other automatic functions

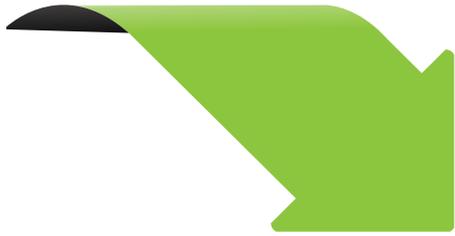
We installed a second ballast into the Vega 2 lights especially for Ursa, so that one tube in each set could be turned off. As the production process is automated we already save 50% of electricity costs additionally by turning half of the light off. However, if needed the other tube in each set can be turned on manually.

A controlling device ensures that the left and right tubes are burning evenly. The lights above the automatic production lines are also attached to the controller and turn on simultaneously with the conveyor belt. In this manner, the expenses are additionally lowered because the lights function only during work.

In URSA Slovenija we had discussed replacing the lighting for several years, but our plans usually stopped whenever we calculated the expense of the new lighting. But after comparing Ekomond's offer with other companies, we soon realized that their solution offers the best return on investment and good service. They also put much effort into receiving a grant for a subsidy for us.

Andrej Novak  
Line Manager

Savings	Illumination	CO2-emission	ROI
62%	+120%	-222 tons/jr	1,6 yrs



# REFERENCES

## HERZ KOVINA UNITAS – MEMBER OF HERZ GROUP



### 247MWh Savings per Year

Hertz decided to replace the old inefficient lamps and after a well prepared project, choose our Vega Series luminaires.  
With simulations and studies we achieved 72%

savings in electricity consumption and 150% higher illumination.

With our help, the company applied for a grant and received a subsidy worth 30% of the investment.

Savings

72%

Illumination

+59%

CO2-emission

-136  
tons/jr

ROI

1,7  
yrs

At Herz d.d. we decided to update or replace the lighting in the production area of our company in 2012. The main reason for this was the uneven and insufficient lighting of work areas. Out of several contractors we chose Ekmond because their project and simulated comparison of the old and new lighting were well prepared. The adaptability of the company and the warranty were additional advantages.

**Boris Jeseničnik**  
Technical Line Manager

# REFERENCES



## LESNINA – XXXLUTZ



### Replacement of luminaires in all Lesnina warehouses

Lesnina equipped its storage facilities in Medlog, Slovenska Vas and Brdo with Ekomond energy efficient luminaires. The company saved between 45% and 79% in electricity consumption despite the fact the illumination was raised on average by 100%.

Documentation for all three locations was prepared to apply for grants, speeding up the return of investment by 30%. Now all locations are illuminated in accordance with international standards.

We were very skeptic when we started the project, as the contractor promised that the return on investment would be between 3-6 years due to the specific conditions of our facilities. The first implementation already confirmed their promise, which encouraged us to continue our cooperation.

**Bojan Papič**  
Director

Savings	Illumination	CO2-emission	ROI
67%	+100%	-238 tons/jr	2,9 yrs



# REFERENCES

## HANDTE OST – KOVINARSKA – WIBAU ASPHALT



### 0 – 50 – 100 Regulation

Handte Ost contacted us and asked to present a replacement simulation and study with energy efficient luminaires, as their lighting was obsolete and ineffective. On the basis of a well prepared project, we replaced the lighting and achieved the

desired effect. The lighting was connected to our control system that regulates the lights according to natural daylight. The company already saved 53% of the investment, but expects additional 15%-25% savings due to our regulation system.

Savings

63%

Illumination

+146%

CO2-emission

-57  
tons/jr

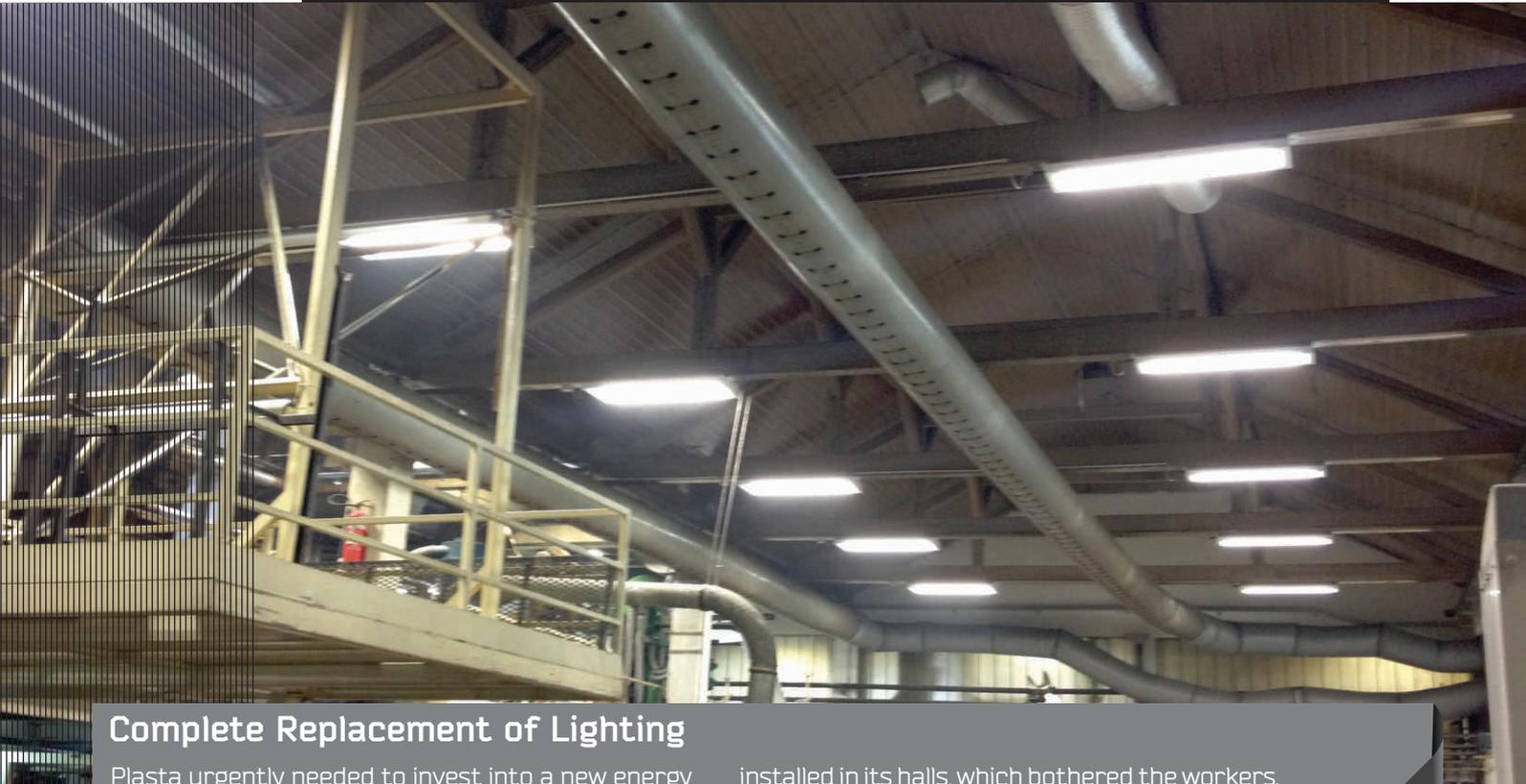
ROI

3,3  
yrs

# REFERENCES



PLASTA



## Complete Replacement of Lighting

Plasta urgently needed to invest into a new energy saving lighting system, as its obsolete lighting was inefficient. After preparing the simulations and calculations we managed to reach 81% lower energy consumption in certain work areas. The company had various types of lamps of various shades

installed in its halls, which bothered the workers. Now the employees are very satisfied and better work performance has already been noticed. The company applied for a grant and received 30% of the investment back, which additionally decreased their return on investment.

Savings	Illumination	CO2-emission	ROI
55%	+140%	-142 tons/jr	1,9 yrs

## References

Westfalia Automotive  
Veyance Technologies  
LIP Bled  
Kolektor Magma  
Maison Meniszez SAS  
Vallourec  
Talum  
ETI  
Plasta  
Lama Dekani  
DUOL  
Forstek  
Inles  
AHA Plastik  
Makoter  
Tomplast  
Brest-pohištvo  
Goričane  
Livarna Gorica  
TA regulator  
Termoelektrarna Trbovlje  
Poclairn Hydraulics  
RTV vzdrževanje  
Elvez  
Titan  
Cocoduo  
Elma TT  
Papirnica Vevče  
ERA  
Brinox  
HTZ  
SGP Pomgrad ABI  
EHM  
Kovis  
Tenis center  
Unitplast  
Kladivar  
Agis Zavore  
Marles Hiše Maribor  
Partizan Medvode  
Fotona  
Itas-Cas



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