

# Light Management System

Veko Intelligence: simply clever for you

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# Veko Intelligence: simply clever for you

Lighting is more than simply a question of light. Via a single touch-screen, you not only operate the lighting but also the entrance barrier, the air conditioning units and the sunblinds; the possibilities are endless. From now on you can see exactly where maintenance is needed, the emergency lighting has a self-test automation, you can also use heat mapping to plan the ideal layout for your building and you can manage consumption to save energy costs. That then is the essence of smart lighting. A light management system is not simply a question of light. It is also a source of information and a tool for cost management, productivity and job satisfaction.

## **Make the most of your lighting with Veko Tools; simply clever for you.**

Veko Tools consist of six building blocks that can be freely combined to assemble the perfect package for your application. You decide exactly what you need.

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## Safety

Lighting helps provide safety. The best known example is of course emergency lighting. Emergency lighting marks a safe escape route that the users of the building can follow, when the normal lighting fails. Connecting the emergency lighting to the light management system, however, promotes safety in many other ways too.

### What other possibilities are there?

- One of your colleagues is working in the cold store. You can monitor his progress via his tag, which is linked to the light management system. If he spends more than 20 minutes in the cold store, he runs the risk of damaging his health. An alarm sounds when the time limit is up. If he remains inside for longer than 20 minutes, a warning signal is also sent to his manager.
- The lights must remain on constantly, in the cold store and freezer unit. You want to be informed of any system failure, without delay.
- Regardless of the situation in your building, light management guarantees a safe and well-lit escape route. All your employees can exit the building safely, no matter what. You no longer need to separately test emergency lighting, because the system tests itself. You will even be sent an email with information for the ISO report.
- The lighting follows your people as they move around. This ensures safe and rapid movement through the building and your security staff can always take the shortest route.
- The light management system also supplies you with the information about temperature, atmospheric humidity, CO2 concentration, particulate matter and the specific gases involved in your business processes, right down to department level. This information helps you guarantee a safe working environment for your employees.
- Digital security. You have the option to fully adapt access to your network to your own security standard (VPN, Teamviewer, two-factor authentication (2FA)). We can even accommodate the wish to not connect your system to your network, by producing a standalone network.

## Health and wellbeing

Finding and more importantly, retaining quality personnel is essential to your business. A good employer will ensure a pleasant working environment, and lighting is an important element of that environment. Lighting must not be excessively bright but should be strong enough to provide a pleasant working environment for your staff in which to deliver maximum productivity.

### What other possibilities are there?

- Every employee is unique. Your workforce is undoubtedly made up of people of different ages, each of them with different lighting needs at their place of work. Imagine the value of being able to adjust the level of lighting at your workstation.
- You have surely found yourself in a situation when the light is so bright you see stars in your eyes. On the shopfloor, it is vital that your employees' vision is not negatively affected by excessively bright lighting.
- Play with the combination of daylight and artificial light to find the perfect balance and save energy. A light management system makes it possible to establish the ideal balance between energy saving and a sense of wellbeing. The lighting will gradually adjust itself to the available daylight, so your staff are never unexpectedly plunged into darkness, by lights that suddenly switch off.
- Thanks to online insights and reports, you can actively compare the measured values with the feelings and sense of wellbeing of your employees. Take for example the measured and perceived temperature, or the way in which your employees experience the measured noise levels.

*"My team is simply more productive if the lighting levels are comfortable."*

## Energy saving

**There is no more important topic than saving energy. It is a recurring feature on every sustainability checklist. A light management system makes life easy for you. Not only does it allow you to measure the consumption of all machines in your distribution centre; it also provides you with ready-to-use reports on the CO<sub>2</sub> reductions you have achieved.**

### **What other possibilities are there?**

- Bring your activities into line with the government ESG (Environmental Social Governance) initiatives. A light management system not only helps reduce your ecological footprint but also reports on the actual savings achieved. Never has it been so easy to provide proof of your sustainable business practices.
- You can choose to have the water automatically shut down when the lights are switched off.
- You can automatically switch off the ventilator and extraction systems when no one is in the building.
- Simply save energy with lighting that constantly adapts itself. You specify the lighting zones and the functions for which they are used.
- Smart lighting extends the service life of your luminaires.
- As well as automatically measuring the energy consumption of each machine, the system also provides you with vital information about actual energy consumption. You can also predict when maintenance needs to be carried out and avoid human errors in the manual recording of meter readings.
- Your light management system saves you money. You will earn back your investment in less than a year. On average, energy consumption is reduced by 30 percent, and in a new building you can install a light management system at no extra cost.



*"What I want is a light management system that truly manages all the lighting, inside and outside, and that I can monitor from my laptop"*



## Service

**Fewer worries, more time. Why spend time running your own service department if you can outsource the work just as easily? Let us shoulder the burden. Our service team, available 24/7, will monitor your lighting and immediately identify and remotely deal with any disruptions, without ever troubling your operational continuity.**

### **What other possibilities are there?**

- 24/7 worry-free remote service. If a problem arises, we can log in instantly and monitor the situation live. In the event of sensor problems, we can switch back on any lighting systems that have shut down. And remember: there is not even a call-out fee.
- Maintenance has never been easier. The light management system automatically records the number of operating hours and can precisely predict when your luminaires need to be replaced.
- A light management system automatically checks the emergency lighting (periodic endurance tests and function tests) and sends a test report to your email box.
- Periodic maintenance. Every quarter, we conduct a complete system check that includes both software and hardware. Updates for safety and stability are implemented automatically. While carrying out maintenance, we also take the opportunity to implement any programming changes (such as light intensity and time settings).





## Flexibility

**In a rapidly changing society, commercial flexibility is key. You want to be able to respond to the latest innovations and implement them in your commercial environment. A light management system is a useful tool. The lighting itself is also flexible; creating a new layout is very simple.**

### What other possibilities are there?

- If you want to change the layout of your building, as a way to improve efficiency, your light management system is a source of valuable information. At a single glance, the heat mapping report shows the number of movements around each building. Use this information for a smart warehouse layout, to reduce the number of movements.
- You can simply reprogramme your own lighting by selecting luminaires, combining them in a group, and choosing the settings.
- Every Veko light management system is always IoT ready. You can upgrade from a relatively simple light management system to a system with unlimited possibilities.
- A Veko light management system can be connected to almost any other system. BACnet, Mesh, KNX: no problem.
- If you want to change the layout of your office space, or adjust the lighting for a new colleague, simply open the app and make the necessary changes.
- When you change the position of your storage racks, you need to adjust the lighting levels accordingly. Simply make the digital adjustments on location, or from your home workstation.



## Easy control

**Click and connect, the new normal. Everything is traceable in your app, via a single click. This improves work efficiency, and saves time. No more risk of failure costs due to lost equipment. Not only for your local locations, but for all global premises you may have in the world.**

### What other possibilities are there?

- You can operate your lighting any time, any place, via your laptop, tablet or app. And not only in your current building, but in all your premises, wherever they are in the world. You can connect all your business facilities to the system; not only in the Netherlands but worldwide.
- Use easy fencing to create demarcated areas in your distribution centre. For example if a forklift truck is not permitted to leave a preset zone, you will receive a report of any violations. The perfect way to guarantee that your equipment always stays in the right place.
- Product tracking. Does this situation sound familiar? You have loaded a truck at night, and in the morning discover that a forklift truck has been placed on board, by mistake. Problems like these will never happen again thanks to your light management system. Every conceivable product can be fitted with a tag that enables you to monitor its movements. As soon as a tag leaves its specified zone (for example the loading dock) a report is generated. If a forklift truck has accidentally been loaded on a truck, you can instruct security to remove it before it leaves the site.
- Measuring how often specific areas are used could not be easier. The light sensors create a perfect record, delivered to you in the form of a report. You can use it, for example, to check whether the canteen is used outside of breaktimes.

*"It is important for me to be able to see where all our forklift trucks are, and to know that they will be safely returned to their loading dock at the end of the day."*



# Decide for yourself what you want to manage with your lighting

At the end of the day, light management gives you control over your lighting, any time any place. Your business lighting no longer just hangs in your building, but can be used as a flexible resource for productivity, job satisfaction and savings. With light management from Veko, your light systems can provide you with valuable input for your management reports. In addition, light management provides the sustainability credentials you need, for example for BREEAM certification. Good for you and good for your customers.

## What does your light management system look like?

Select the packages that match your requirements. Based on your choice, we will make an appropriate proposal. Are there other factors that influence the price? Yes, for example the number of square metres of your building and the number of lighting units. But also whether you have a fixed Internet connection and whether you want to link the lighting management system to your existing building management system. And the size of your machinery - is it fully automated or not? A light management system is put together entirely according to your requirements.



### Want to know more?

Request a no-obligation consultation with our lighting experts.  
Scan the QR code and schedule an appointment right away:  
Or send an e-mail to [info@veko.com](mailto:info@veko.com) and we will contact you directly.



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