



# For a new generation of smart buildings

The most sustainable solution for lighting,  
climate and blind control

living buildings **mymesh**  
powered by simac



# Living buildings, Paris-proof by design

Imagine a building that is always one step ahead, helps you out and speaks your language. That is what we call a... 'living building'. Powered by the unique Mymesh network protocol and bringing sustainability goals such as the Paris climate goals within closer reach.

## More than a smart building

Mymesh stands for a unique, all-wireless, multidisciplinary system for lighting, heating, cooling, ventilation and shading control. This all-in-one flexible and wireless solution contributes to a higher BREEAM or WELL rating and, at the same time, makes for an interesting Total Cost of Ownership. With Mymesh, everyone can live and perform better in a building. Sustainable, healthy and safe. Anywhere and anytime.

## More than just sustainable

Mymesh helps to improve the sustainability performance of buildings, organisations and users. By doing so, it contributes to achieving Paris-proof sustainability goals. All thanks to demand-driven and integrated lighting, heating and shading control. By following the basic principle that what you don't use, you don't need to generate, Mymesh allows for the use of fewer solar panels or a smaller climate system. As a result, buildings can operate with a smaller grid connection.

## Proven technology for various markets

Mymesh has a track record in several markets, from office buildings (such as Tripolis-Park and Strawinsky House), logistics and manufacturing (including Vanderlande Industries and Stellar Development) to the retail market (e.g. Bluewater Shopping Centre and Stadshart Amstelveen).



*All-wireless and ceiling-mounted*


## More than a solution

Mymesh easily integrates with ceiling-mounted fixtures, providing more flexibility. Everything is continuously adaptable and expandable using software apps. From system configuration and room layout to control zones and many more settings.



*Car park P3, Eindhoven Airport*



A large flock of birds flying in a circular pattern against a blue and pink sky. The birds are small, dark silhouettes, and their collective movement creates a dense, swirling cloud. The background is a gradient of light blue and pink, suggesting a sunset or sunrise.

**High-end technology inspired by nature.** Advanced wireless communication was the starting point for developing Mymesh, while the inspiration came from the sophisticated communication of a flock of birds. The system uses smart sensors and controllers to form a self-organizing wireless mesh network.

Mymesh allows you to use energy only when you need it, similar to nature. This aligns well with European climate goals (ESG reporting), the Energy Performance of Buildings Directive (EPBD) and the Smart Readiness Indicator (SRI) rating scheme.



# Discover Mymesh 1, 2 and 3 and Mymesh Cloud

## Mymesh 1 - Smart Lighting + HCL

The basis for fully integrated lighting control. Discover the benefits of a wireless, local, independent lighting control system without DALI wiring. Ideal for new construction and renovation projects. Unlimited scalability and the possibility of integration with (third-party) apps and various cloud applications.

## Mymesh 2 - Smart Lighting + Basic Climate

Need local climate control too? Then choose Mymesh 2. The perfect extension of the unique wireless Mymesh 1 solution, with temperature and occupancy-based control of fans and valves. A fully wireless integration of lighting and climate control, without DALI and Modbus wiring. From general and biodynamic (human centric) lighting to shading.

## Mymesh 3 - Smart Lighting + Advanced Climate solution

Want even more options? Then opt for Mymesh 3. The ultimate solution. Or: Mymesh 2 extended. With additional options for control, based on space occupancy. Ventilation is geared to the number of people in the room.

## Mymesh Cloud

Mymesh Cloud offers everything you would expect from a smart building. With real-time monitoring of the building's performance and straightforward dashboards. Indispensable for efficient maintenance and management, but also for analysis. Mymesh Cloud is an open platform and works effortlessly with third-party applications and apps.



# Living buildings for everyone

Mymesh turns your building into a smart, but above all a 'living building'. A building that exceeds the expectations and imagination of property developers and users alike. For a wide range of markets, from office buildings and car parks to the retail market.

## **Mymesh for a wide range of markets**

Mymesh has established a track record for providing sustainable wireless solutions in various markets. For instance in high-performance office buildings, where people feel better and so perform better. Or in car parks of various sizes as part of new construction and renovation projects. Mymesh is also frequently used as a solution to face challenges in logistics and manufacturing, by providing, for instance, a safe, sustainable and cost-efficient LED lighting system. And in healthcare too, by providing track and trace for indoor positioning and maintenance status. More and more retail companies are discovering the benefits of smart LED lighting or beaconing for indoor navigation in shopping centres. Thus, Mymesh offers smart solutions for challenges of different kinds in very different markets.

Mymesh is a unique solution for:

## **Project developers and engineering companies**

Innovative, lower construction costs, flexible functionality and more sustainable (Paris-proof).

## **Property owners and managers**

Optimal operational efficiency for property management and maintenance.

## **Tenants and users**

Comfortable, healthy and safe indoor climate for employee well-being and productivity.

## **Contractors and installers**

Easy to install and to put into operation.

## **Manufacturers**

A reliable, unique network structure with 100% coverage at any location.



*-TriSensors for optimal temperature and occupancy measuring*

## Mymesh powered by Simac

Mymesh is powered by a solid and trusted partner: Simac. Simac is a family business with a rich history. It employs over 1,400 people and has offices in the Netherlands, Belgium, Luxembourg, France, the United Kingdom and the Czech Republic. The solutions offered by the Simac companies can be grouped in two key lines of business: IT services and Smart Solutions. Simac caters to the needs of various niche markets with its cutting-edge tech solutions.



## Why Mymesh



### Scalable

The world's most scalable, wireless network



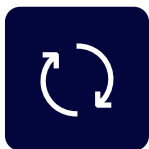
### Secure

Extremely high safety standard



### Robust

Reliable under all conditions



### Adaptive

Grows with the release of new updates and upgrades



### Cost-efficient

State-of-the-art and integrated wireless solution



### Sustainable

Energy-saving and lower CO2 footprint

## Mymesh

Oudeweg 115 B  
2031 CC Haarlem  
The Netherlands

+31 (0)23 5149 149

[mymesh.nl](http://mymesh.nl)

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Mymesh is the trade name of Chess Wise BV