System and Product Overview.
This is how WISE works!

Step by step

IC Design
Simple construction of the WISE system

We are proud to present IC Design, our new product selection software. This helps you select the right products using intuitive visual aids. The software is custom-designed to match Swegon’s room products and is geared to the function you want to apply to a given interior. The perfect guide to getting it right! IC Design creates a configuration file that is used during commissioning - when the products in the WISE system are paired wirelessly.

The WISE system handles demand-controlled indoor climate (DCIC), as in ventilation and air- and waterborne heating and cooling. Its flexibility gives you all the scope you need for combining products right down to room level.

In order to discover the type of ventilation system that is right for the project in question, we also offer the Swegon ESBO software. Use Swegon ESBO to quickly and easily create decision-making data early in the building process, before the system is configured in IC Design.

Structure of the operating/radio network

Wireless communication minimises cable routing

The base products in WISE are interconnected through a hardwired IP network. It is this IP network that is called the “operating network”. The larger part of the system, i.e. all products on zone and room levels, then communicate on a wireless radio network. This means cable routing is only necessary on a very limited scale, which saves time and radically reduces the number of sources of faults.
Conversions Changes to requirements

Flexible

The system configuration can be adapted if the requirements on the system change, for example, if walls are moved or activities in the premises change. Product updates are sent out via our radio network and they can then carry out their new tasks. Updates can be made with a minimum of disruption to existing activities.

Commissioning
Quick and easy!

During commissioning, the configuration file from IC Design is loaded into the hand-held terminal TuneWISE, after which each room product is paired in the system in position in the room, with the help of the QR codes on the products that are read with a hand scanner. Quick, simple and without the risk of misconnections. The configuration from IC Design follows through every step of the way. It simplifies the logistics throughout the building process so that no isolated pre-configuration needs to be done for the products. All you have to do is get the right type of product in place and then pair it using the portable scanner/hand-held terminal. Updates are automatically communicated to the system’s products via the radio network, so that they are ready for their new tasks.

Additional help

I would like to know more about the WISE system in general
See the System Guide

I would like help to plan the electricity, water and air
See the Project planning guides

I would like detailed data for individual products
See the Product data sheets

I would like help early in the construction process to select the system type
Log in to Swegon ESBO

I would like to calculate energy data, get help to choose products and configure the system
Log in to IC Design

I want to check and see an overview of a specific WISE-system
Log in to SuperWISE
WISE products and accessories

Wireless communication for easy system design

SuperWISE II
With or without Swegon Connect
Communication unit

WISE DIR
Director
Central control unit

WISE Damper
Active damper

WISE Measure
Unit of Measurement

WISE Parasol
Comfort module with integrated flow control

WISE Air diffuser
Active air diffuser

WISE Sphere C
Active air diffuser

WISE Sphere F
Active air diffuser

Air and waterborne products
Passive products
(Can require controllers)

WISE DPS Modbus
Duct pressure sensors

WISE CU *
Controller Unit

WISE SMA *
Sensor Module Advanced
Air quality sensor

WISE SMB *
Sensor Module Basic
Temperature/occupancy sensor

WISE IORE *
Input Output Radio Extender
Radio communication bridge

WISE RTA
Room Temperature Adjuster
Setpoint selector switch

WISE IAQ
Indoor Air Quality Sensor
Air quality/temperature and moisture sensor

WISE IRT
Infra Red Temperature Sensor
Temperature sensor

WISE OCS
Occupancy Sensor
Presence sensor

WISE WCS
Window Contact Sensor
Combined window/door contact

WISE RTS
Room Temperature Sensor
Temperature sensor

WISE IRE
Input Radio Extender
Radio communication bridge

TuneWISE
Hand-held terminal

Scanner TuneWISE
Hand scanner

*Factory-fitted accessories
Large conference room
Water and airborne

**WISE IAQ CO2**
Air quality/temperature and moisture sensor

**WISE RTA**
Setpoint selector switch

**WISE Parasol**

**WISE Colibri**

**WISE Damper**

Small conference room
Water and airborne

**WISE RTA**
Setpoint selector switch

**WISE Parasol**

**WISE Colibri**

**WISE Damper**

Rest room
Airborne

**WISE WCS**
Combined window/door contact

**WISE RTA**
Setpoint selector switch

**WISE Sphere C**
SuperWISE II SC - Solution for the best indoor climate!

- **Individual offices**
  - Waterborne
  - WISE RTA Setpoint selector switch
  - WISE Parasol

- **Open-plan office**
  - Waterborne
  - WISE RTS Temperature sensor
  - WISE RTA Setpoint selector switch
  - WISE OCS Occupancy sensor
  - WISE Parasol

- **SuperWISE II SC**
Waterborne office with setpoint selector switch and occupancy sensor for cooling, heating and demand-controlled ventilation.

Conference room with setpoint selector switch and waterborne cooling as well as demand-controlled air regulation.

Office landscape with demand-controlled air regulation with setpoint selector switch and control of radiators.

Classroom with demand-controlled air regulation, occupancy sensor and control of radiators.

Waterborne hotel room with setpoint selector switch and key card holder for occupancy.
We make every breath count.