

CORE

HCS

Wireless building automation system for smart and sustainable buildings

MADE IN ITALY





BUILDINGS SHOULD BE MORE ENERGY-EFFICIENT

Public, private and corporate buildings consume a significant amount of energy due to inefficient management of systems and spaces.

Always-on climate control, unmonitored environments, and disconnected systems lead to waste, higher costs, and reduced comfort.

CORE is designed to transform building management into an intelligent and sustainable system.

→ EFFICIENCY

→ SUSTAINABILITY

→ SECURITY

WIRELESS BUILDING AUTOMATION

CORE is a wireless building automation system, designed to control and optimize building operations.

The system integrates:

- ENERGY MANAGEMENT
- PACE MANAGEMENT
- ACCESS CONTROL

All through a single wireless system,
eliminating fragmented solutions.



→ TOUCH DEVICES

The system uses elegant glass touch devices installed within the spaces:

- EXTERNAL READER FOR ACCESS CONTROL
- INTERNAL CARD HOLDER
- THERMOSTAT FOR CLIMATE CONTROL

These devices enable the system to detect access and space usage.

→ SOFTWARE VISION

A single software platform that enables:

- REAL-TIME MONITORING OF ACCESS AND OCCUPANCY
- MANAGEMENT OF SYSTEMS AND ENVIRONMENTS
- OPTIMIZATION OF ENERGY CONSUMPTION BASED ON ACTUAL SPACE USAGE

→ WIRELESS TECHNOLOGY

All devices communicate with each other and with the software through Zigbee wireless technology, without the need for structured cabling. This ensures continuous control of the environments and enables simple installation in any type of building.

HOW IT WORKS



CORE is based on a wireless architecture that enables installation without structured cabling and without the need for additional software or devices.



SECURE ENVIRONMENTS

→ CONTROLLED ACCESS

Access to spaces managed by CORE is granted through RFID-enabled badges. Each badge is associated with a user and specific permissions defined by the system (accessible areas, time schedules, roles).

Each access is:

- Verified by the system
- Recorded in real time
- Used as data for space management

→ COST REDUCTION

When a user enters or leaves a space:

- The system detects occupancy
- Automatically activates or deactivates systems
- Prevents energy use when spaces are unoccupied

→ ALL-IN-ONE SYSTEM

Access, occupancy and energy work together through a single wireless building automation system, reducing waste, improving comfort and enhancing security.





TANGIBLE BENEFITS

CORE delivers tangible benefits in building management, combining wireless technology, energy efficiency and control. It is a system designed to reduce energy consumption, every day.

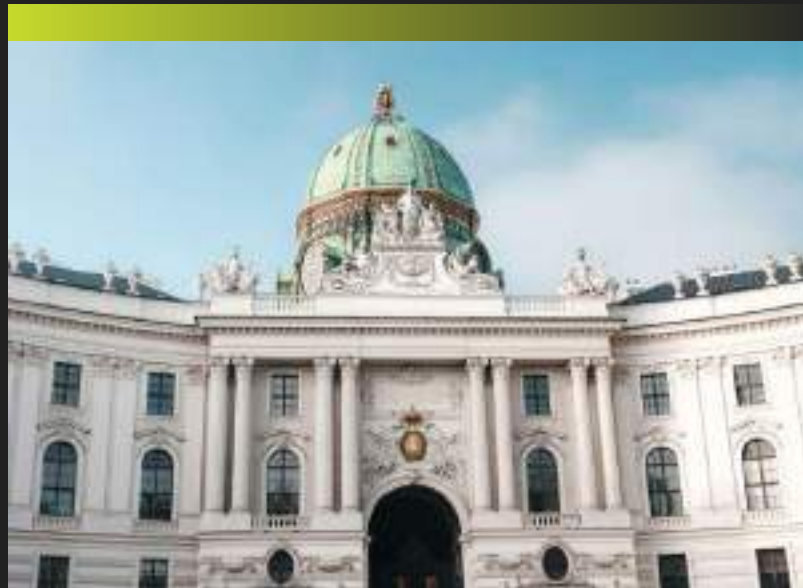


- REDUCED ENERGY CONSUMPTION
- GREATER SUSTAINABILITY AND LOWER ENVIRONMENTAL IMPACT
- IMPROVED COMFORT LEVELS
- ENHANCED SECURITY AND CONTROL
- SIMPLE, CENTRALIZED REAL-TIME MANAGEMENT

BUILDING AUTOMATION DESIGNED FOR EFFICIENCY



WHERE IT CREATES VALUE



→ PUBLIC BUILDINGS

Municipal buildings, ministries, administrative offices, public entities and government facilities.



→ OFFICES AND ENTERPRISES

Corporate offices, headquarters, executive offices and administrative complexes.

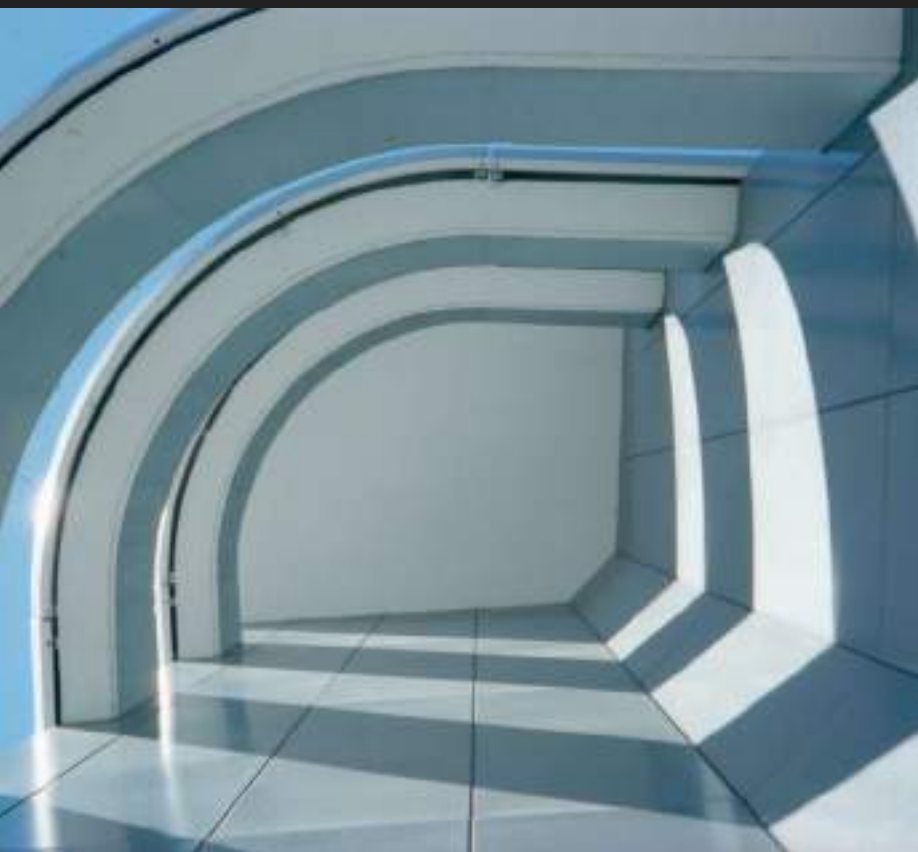


→ HEALTHCARE FACILITIES

Clinics, outpatient centers and laboratories.

→ SOCIAL CARE FACILITIES

Nursing homes and assisted living facilities



→ EDUCATION AND CAMPUSES

Universities, campuses, student housing, training institutes and educational environments.



→ MIXED-USE BUILDINGS

Multifunctional complexes, business centers and multi-purpose facilities.

MORE EFFICIENT,
COMFORTABLE
AND
SUSTAINABLE
BUILDINGS

THE REAL EVOLUTION: FROM PASSIVE TO SUSTAINABLE BUILDINGS

→ THE TURNING POINT

With CORE:

- ENERGY IS USED ONLY WHEN NEEDED
- SPACES ARE MANAGED BASED ON ACTUAL USAGE
- ACCESS IS CONTROLLED AND MONITORED
- ENERGY CONSUMPTION IS MEASURABLY REDUCED





SUSTAINABILITY STARTS
WITH INTELLIGENT
RESOURCE MANAGEMENT

CORE is an exclusive product of

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