

## Use Case Hospital



Batteryless wireless switches control lighting and shading



Batteryless wireless window contacts monitor window status



Temperature, humidity and CO<sub>2</sub> sensors monitor indoor air quality



Batteryless wireless door/window handles monitor door/window status



Batteryless liquid detection sensors monitor fluid leaks



Actuators control heating, ventilation and shading



Occupancy sensors trigger lighting and climate control systems



Wireless thermostat valves adjust radiator temperature



Networked smoke sensors set off fire alarms to trigger emergency response



Batteryless wireless control units allow for optimal climate conditions and maximum operating comfort



Sensors in mattresses detect and report occupancy



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### And these are the benefits for

#### Architects

- Maintenance-free, interoperable wireless sensors
- Freely positionable products which can be placed on glass, stone, wood or furniture as required
- Flexible room configuration

#### Specifiers

- Simplified planning and high flexibility through freely positionable devices
- Interoperable products
- Compatibility with other building automation systems (KNX, LON, BACnet, TCP/IP)

#### System integrators / Contractors

- Speedy, flexible installation / system start-up without downtime
- No cabling, no drilling, no noise/dust/dirt
- Simple retrofit during undisturbed operation

#### Facility users

- Enhanced comfort
- Better air quality

#### Investors / Property Owners

- Reduced cost of installation and operation
- Less downtime during renovation
- High energy savings
- Interoperable and scalable standard solutions

#### Facility Managers

- Flexibility, no maintenance needed
- Optimized servicing
- Effective manpower use
- Increased safety levels
- Faster reaction to system faults
- Flexible space reallocation (patient room, therapy room or staff room)
- Combinable with nurse call systems

### References



Senior citizen home, Asslar (Germany)



VA Medical Center, Dayton, OH (USA)



Institut de Cardiologie (Canada)



Müritz-Clinic (Germany)