












# Use Case Ambient Assisted Living (AAL) Hospital



- |   |  |   |   |
|---|--|---|---|
|  | Batteryless wireless switches control lighting, shading & patient alarm  |  | Batteryless wireless window contacts monitor window status  |
|  |  Temperature, humidity & 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 automatically monitor and report movement  |  | Batteryless wireless control units allow for optimal climate conditions and maximum operating comfort |
|  | Networked smoke sensors set off fire alarms to trigger emergency response  |  | Sensors in armchairs and 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)

#### Investors / Property Owners

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

#### System integrators / Contractors

- Speedy, flexible installation & system start-up
- No cabling, no drilling, no noise/dust/dirt
- Simple retrofit during undisturbed operation

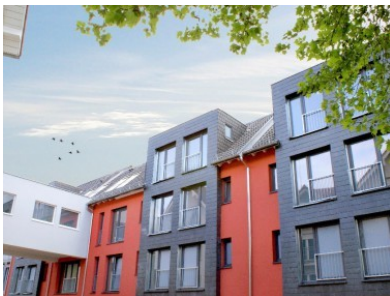
#### Facility Managers

- Flexibility, no maintenance needed
- Optimized servicing
- Effective manpower use
- Increased safety levels
- Faster reaction to system faults
- Flexible restructuring of premises if needed (waiting room, therapy room or staff room)
- Combinable with nurse call systems

#### Facility users

- Increased safety levels
- Freely positionable and retrofittable products, e.g. emergency button and mattress sensor

### References



Senior citizen home,  
Asslar (Germany)