





Use Case Ambient Assisted Living (AAL)





 Batteryless wireless switches control lighting, shading & patient alarm


 Batteryless wireless window contacts monitor window status


 Temperature, humidity & CO₂ 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

References



Senior citizen home,
Asstar (Germany)

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