Use Case Ambient Assisted Living (AAL)

- Batteryless wireless switches control lighting, shading & patient alarm
- Temperature, humidity & CO₂ sensors monitor indoor air quality
- Batteryless liquid detection sensors monitor fluid leaks
- Occupancy sensors automatically monitor and report movement
- Networked smoke sensors set off fire alarms to trigger emergency response
- Batteryless wireless window contacts monitor window status
- Batteryless wireless door/window handles monitor door/window status
- Actuators control heating, ventilation and shading
- Batteryless wireless control units allow for optimal climate conditions and maximum operating comfort
- 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

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

Senior citizen home, Asslar (Germany)