Use Case Ambient Assisted Living (AAL)

Batteryless wireless switches control lighting and shading

Batteryless remote controls for diverse functions, or as emergency alarm

Occupancy sensors automatically monitor and report movement

Wireless connectors control and monitor household appliances

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

Sunblind actuators control the sun-shade elements

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

Wireless actuators control radiators, room controllers govern underfloor heating

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)

**System integrators / Contractors**
- Speedy, flexible installation & system start-up
- No cabling, no drilling, no noise/dust/dirt

**Investors / Property Owners**
- Simple retrofit
- Reduced cost of installation and operation
- Flexible space planning and easy restructuring
- High energy savings
- Interoperable and scalable standard solutions

**Facility users**
- Enhanced comfort and more security in the home
- Freely positionable and retrofittable products e.g. emergency button, armchair & mattress sensor
- Low-cost AAL solution
- Simple retrofit
- The elderly can remain in familiar surroundings, at home, for a longer time

**References**

Meditec, Colmar (France)