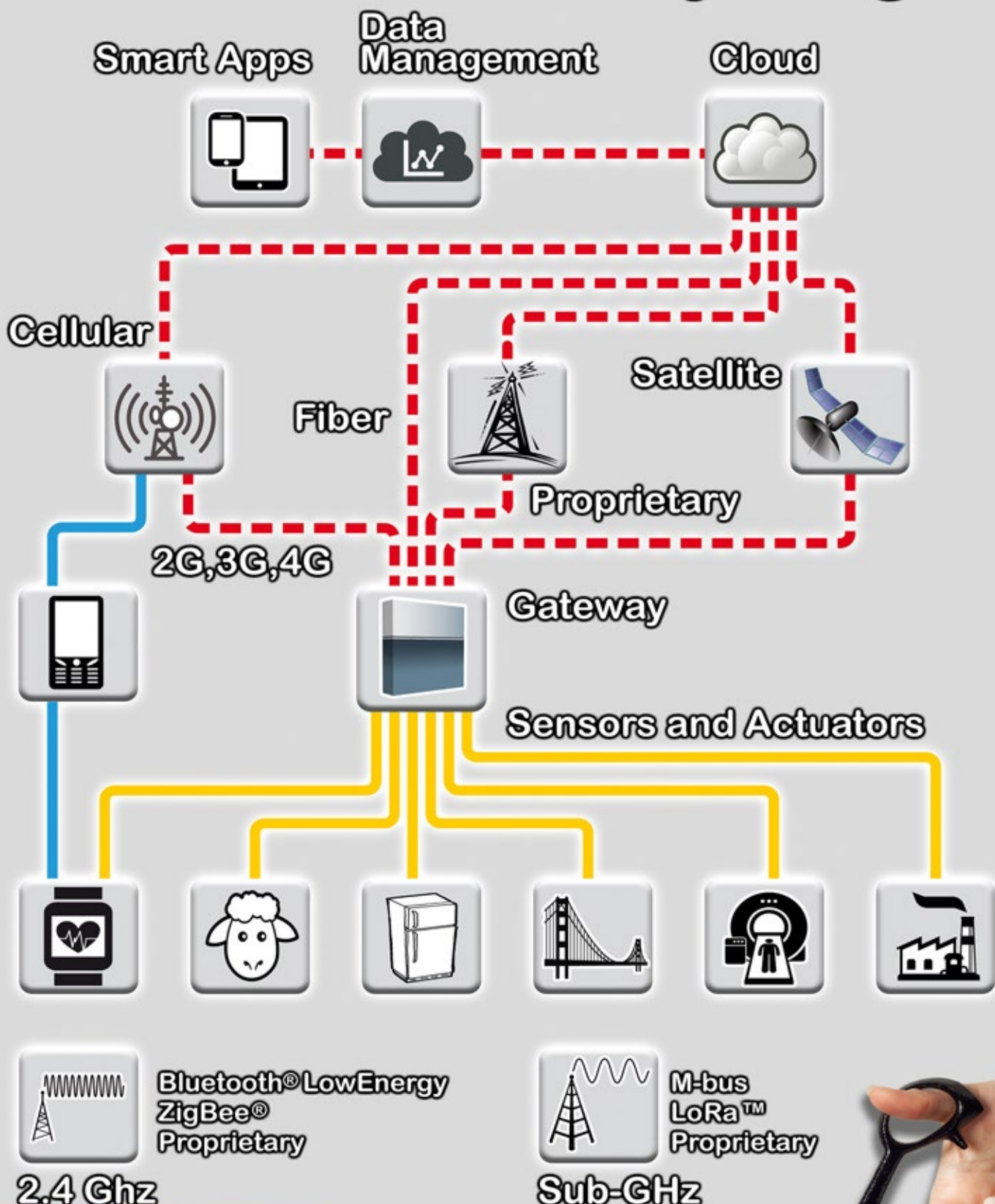


Internet of Everything



Cut the cable → Go wireless

MediCon

MediCon Ingegneria s.r.l.

GOAL

- Provide connectivity to your product / system / plant, all over the world

KEY POINTS

- Set up a local LR-WPAN, to interconnect parts of your product / system / plant
 - ability to interconnect large number of nodes (hundreds / thousands) in a defined area
 - cost competitive cable replacement
 - robust and reliable data connection
 - low power consumption, to allow effective battery power supply
- Integrate Internet communication capabilities in your product / system / plant → AGENT
- Provide remote access to the product / system / plant → DATA CENTER
- Use the most suitable communication protocols, in order to optimize performances and reduce costs → DATA COMMUNICATION
- Manage relationships with worldwide telecommunication service providers

APPLICATIONS

- e-health
- Industry 4.0 / Smart Factory
- Smart Farms / Precision agriculture
- Transportation and Logistics
- Home appliances

EXAMPLES

- Firmware upgrade → dramatically reduces upgrade costs, especially in the start up phase of the product / system / plant
- Data Upload/Download → the primary aim of the product/system/plant can be data acquisition. Any data can be exchanged (entire databases, single data set, ...)
- Function enabling → sending only a few bytes, it is possible to enable one or more available functions on remote devices (e.g. in the case of upgrade purchase, rent fares, etc...)
- Parameter Upload/Download → ability to read/write the remote device parameters, enabling remote configuration, analysis of local changes, fix of issues, etc...
- Log download → every event can be recorded on remote product / system / plant and downloaded immediately or after a user request.