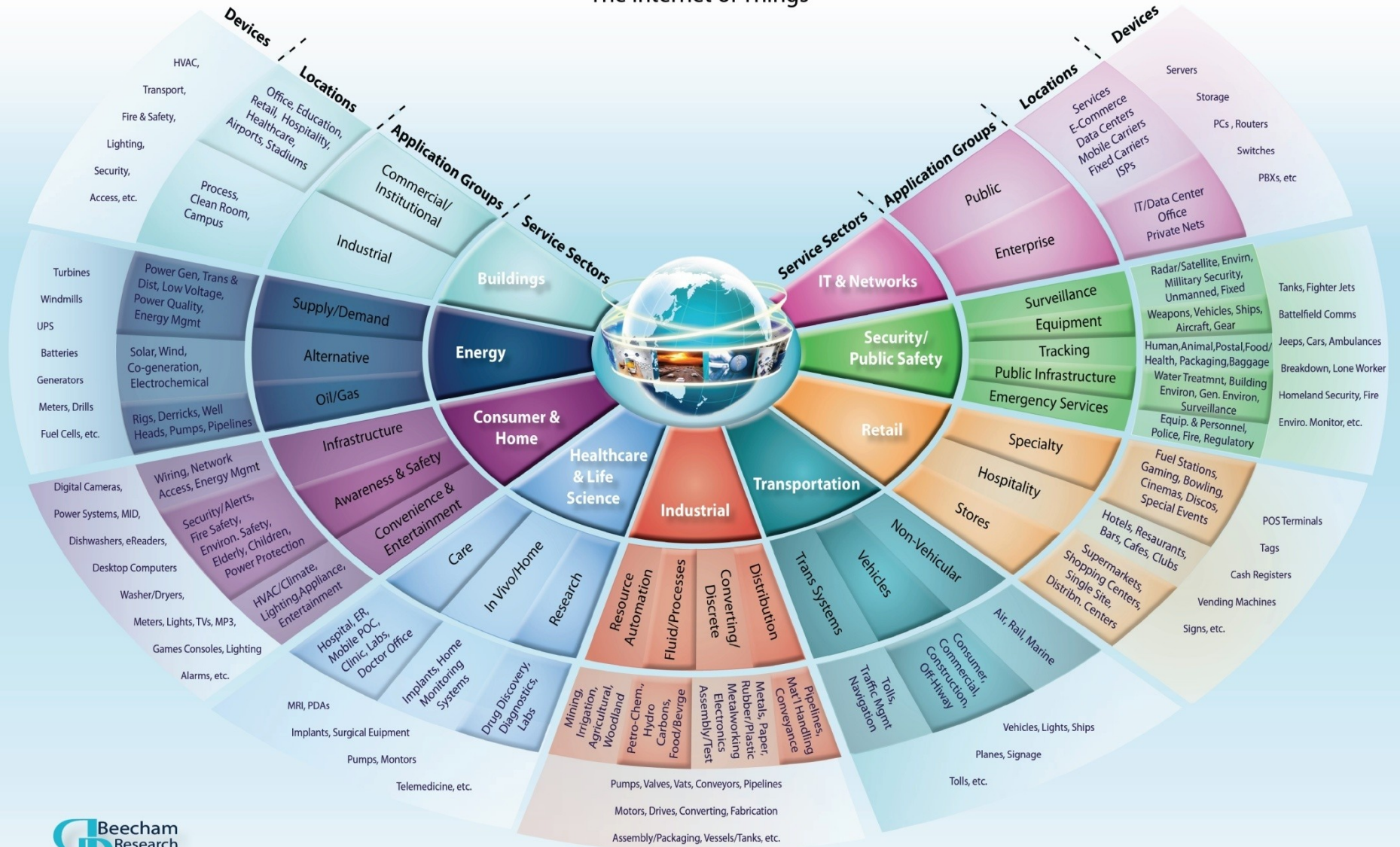# Future Proofing your IoT

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M2M World of Connected Services
The Internet of Things

Devices | **Locations** | **Application Groups** | **Service Sectors**

Left side service sectors:
- **Buildings** — Commercial/Institutional, Industrial
- **Energy** — Supply/Demand, Alternative, Oil/Gas
- **Consumer & Home** — Infrastructure, Awareness & Safety, Convenience & Entertainment
- **Healthcare & Life Science** — Care, In Vivo/Home, Research
- **Industrial** — Resource Automation, Fluid/Processes, Converting/Discrete, Distribution

Right side service sectors:
- **IT & Networks** — Public, Enterprise
- **Security/Public Safety** — Surveillance Equipment, Tracking, Public Infrastructure, Emergency Services
- **Retail** — Specialty, Hospitality, Stores
- **Transportation** — Non-Vehicular, Vehicles, Trans Systems

Buildings — Locations / Devices
Office, Education, Retail, Hospitality, Healthcare, Airports, Stadiums
Process, Clean Room, Campus
HVAC, Transport, Fire & Safety, Lighting, Security, Access, etc.

Energy — Devices
Power Gen, Trans & Dist, Low Voltage, Power Quality, Energy Mgmt
Solar, Wind, Co-generation, Electrochemical
Rigs, Derricks, Well Heads, Pumps, Pipelines
Turbines, Windmills, UPS, Batteries, Generators, Meters, Drills, Fuel Cells, etc.

Consumer & Home — Devices
Wiring, Network Access, Energy Mgmt
Security/Alerts, Fire Safety, Environ. Safety, Elderly, Children, Power Protection
HVAC/Climate, Lighting Appliance, Entertainment
Digital Cameras, Power Systems, MID, Dishwashers, eReaders, Desktop Computers, Washer/Dryers, Meters, Lights, TVs, MP3, Games Consoles, Lighting, Alarms, etc.

Healthcare & Life Science
Hospital, ER, Mobile POC, Clinic, Labs, Doctor Office
Implants, Home Monitoring Systems
Drug Discovery, Diagnostics, Labs
MRI, PDAs, Implants, Surgical Equipment, Pumps, Monitors, Telemedicine, etc.

Industrial
Mining, Irrigation, Agricultural, Woodland
Petro-Chem., Hydro Carbons, Food/Bevrge
Metals, Paper, Rubber/Plastic, Metalworking, Electronics, Assembly/Test
Pipelines, Mat'l Handling, Conveyance
Pumps, Valves, Vats, Conveyors, Pipelines
Motors, Drives, Converting, Fabrication
Assembly/Packaging, Vessels/Tanks, etc.

IT & Networks — Locations / Devices
Services, E-Commerce, Data Centers, Mobile Carriers, Fixed Carriers, ISPs
IT/Data Center, Office, Private Nets
Servers, Storage, PCs, Routers, Switches, PBXs, etc

Security/Public Safety — Devices
Radar/Satellite, Envirn, Millitary Security, Unmanned, Fixed Weapons, Vehicles, Ships, Aircraft, Gear
Human, Animal, Postal, Food/Health, Packaging, Baggage
Water Treatmnt, Building Environ, Gen. Environ, Surveillance
Equip. & Personnel, Police, Fire, Regulatory
Tanks, Fighter Jets, Battlefield Comms, Jeeps, Cars, Ambulances, Breakdown, Lone Worker, Homeland Security, Fire, Enviro. Monitor, etc.

Retail — Devices
Fuel Stations, Gaming, Bowling, Cinemas, Discos, Special Events
Hotels, Resaurants, Bars, Cafes, Clubs
Supermarkets, Shopping Centers, Single Site, Distribn. Centers
POS Terminals, Tags, Cash Registers, Vending Machines, Signs, etc.

Transportation — Devices
Consumer, Commercial, Construction, Off-Hiway
Air, Rail, Marine
Tolls, Traffic Mgmt, Navigation
Vehicles, Lights, Ships, Planes, Signage, Tolls, etc.

- Use Open Standards
- IP is your friend
- Walled Gardens Fail
- Cloudification doesn't solve all problems
- Do not ignore Privacy