



**TEKTELIC**  
communications  
— IoT for life —

## IoT Use Cases



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# Smart Cities

- » Waste Management
- » Parking
- » Metering (Water, Gas)
- » Smart Signs
- » Streetlighting
- » Air Quality Monitoring
- » Tracking
- » Flood Monitoring
- » Connected Airports
- » Bridge Stress Monitoring
- » Urban Agriculture Management
- » Snow Removal and Street Cleaning Management
- » Smart Public Transit



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# Building Management

- » Temperature and Humidity Monitoring
- » Room Occupancy
  - Motion Detection
  - Chair Occupancy
  - Desk Presence Monitoring
- » Point of Entry Security / Access
- » Building Entrance Counter (Virtual Turnstile)
- » Indoor/Outdoor Illumination Management
- » Smart Maintenance
- » Water Consumption Monitoring
- » Leak Detection
- » Fire/Smoke/Noxious Gas Detection
- » Smart Boardrooms
- » Smart Restrooms
- » Smart Elevators
- » Indoor Air Quality Monitoring
- » Automated Customer Feedback Systems



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# Smart Agriculture

- » Asset Tracking
- » Environmental Monitoring
- » Irrigation / Soil Moisture Monitoring
- » Smart Water Management
- » Precision Agriculture
- » Pest Control
- » Livestock Tracking and Monitoring
- » Remote Equipment Management
- » Smart Fish Farming



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# Oil & Gas

- » Lone Worker Safety
- » Wellhead / Oil Rig Monitoring
- » Pipeline Monitoring
- » Preventative Maintenance
- » Asset Tracking and Remote Monitoring
- » Environmental Monitoring
- » Asset Integrity
- » Tank Monitoring

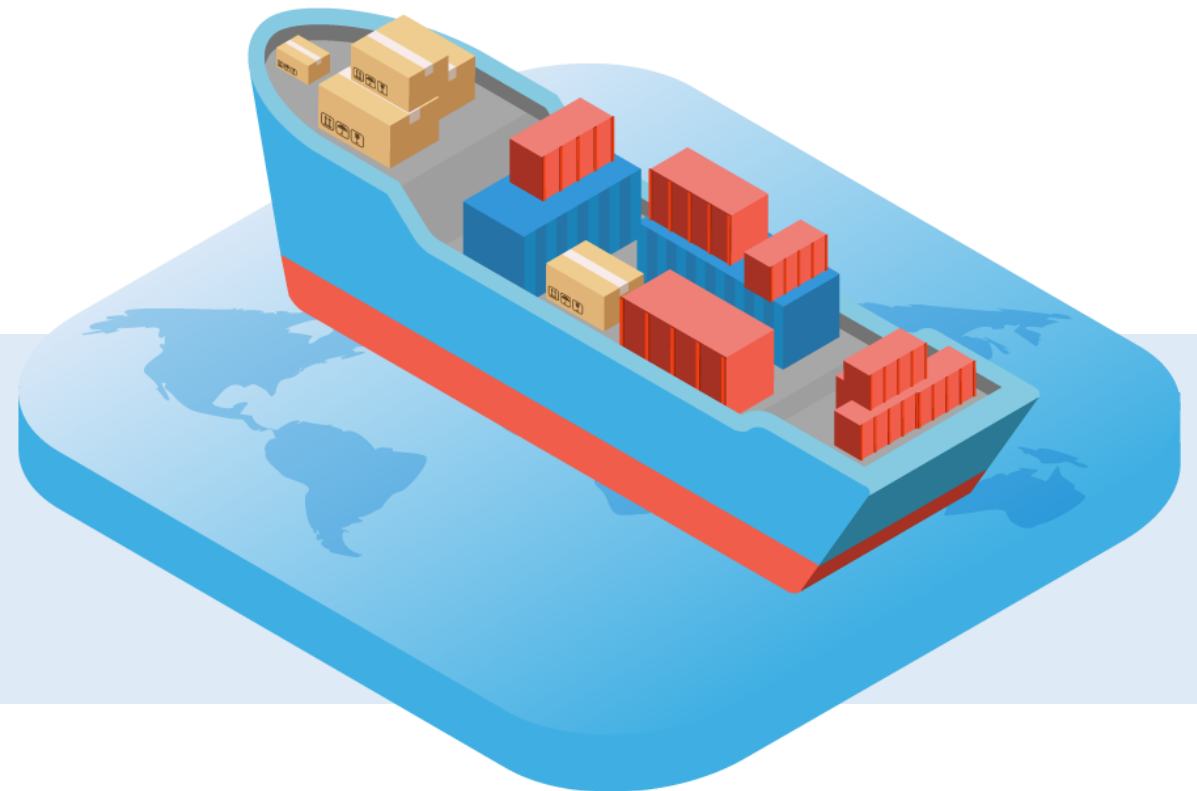




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# Smart Tracking

- » Pallet Tracking
- » Vehicle Tracking
- » Animal Tracking
- » Asset Tracking
- » Railway Cars
- » Lone worker safety
- » Geo-fencing



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# Food Services

- » Cold Chain Monitoring
- » Spoilage Detection
- » Smart Cleaning and Maintenance
- » Appliance Maintenance and Usage Monitoring
- » Pest Control



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# Health & Safety

- » Senior Citizen Care
- » Student Tracking and Monitoring
- » Smart Wearables
- » Personal Safety/Security
- » Air Quality Monitoring
- » Child Tracking





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# Logistics

- » Inventory Management
- » Smart Warehousing
- » Asset Tracking (Indoor/Outdoor)
- » Process Automation
- » Machine Usage Monitoring (Preventative Maintenance)



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# Smart Metering

- » Water Metering
- » Electric Metering
- » Gas Metering



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# Recreation

- » Fitness Monitors
- » Elite Sports Performance Monitoring
- » Golf Cart Tracking
- » Public Use Space Maintenance and Scheduling (Courts, Fields, Arenas etc.)
- » Orienteering



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# Children Monitoring

- » Real Time School Bus Tracking
- » Child Location Tracking and Monitoring
- » Off Site (Field Trip) Student Monitoring
- » New Driver Tracking and Monitoring



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# Early Fire Detection

- » N<sub>2</sub>, CO, CO<sub>2</sub>, PM<sub>10</sub> Monitoring
- » Rapid Temperature and Humidity Detection
- » Lightning/Thunder Detection and Count
- » Near Real-Time Alerts and Notifications
  - » Current technologies often have up to 24 hour cycle to visualize collected data



Best-In-Class, Carrier Grade &  
Most Cost Effective  
Portfolio of Gateways, Network Server,  
Sensors & Applications