

An aerial night view of a city with digital overlays. The city lights are visible, and there are several circular icons floating in the air, connected by thin lines. The icons include a person, a gear, a document, a power button, and a Euro symbol. The overall theme is digital transformation and technology.

**powersoft**  
n i n e t e e n

# Internet of Things and Digitalization Services

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## Digital Transformation

# Internet of Things (IoT)



## Game-Changing IoT Solutions for Global Industry Leaders

Businesses, in industries such as transportation and oil and gas, have been applying IoT solutions in automation and M2M applications for decades now. However, more enterprises have entered the race to digitalize their field assets and increase their devices' connectivity for rapid data transfer, monitoring, and controls. *Powersoft19* offers customized IoT solutions that are highly sophisticated and result-oriented to industry leaders globally. Our professionals tap into the full potential of today's cyber-physical systems era to create powerful and effective IoT solutions. We have successfully completed numerous M2M and industrial automation projects with impressive business outcomes during the last 20 years. Our experts tackle all disruptive changes in technology to help our clients streamline their new and legacy business operations with ease.

*Powersoft19's* Remote e-Management Solutions (ReMS) is a flexible framework that caters to the needs of diverse industries at varying stages of adopting IoT processes. We have a unique end-to-end services model encompassing hardware, firmware, connectivity, data gathering and processing, and consultancy. With the customizable ReMS framework and accompanying services, *Powersoft19* experts will get you started on the journey of adding capabilities and introducing innovative services through IoT in no time.

## Services Offered

- Preventive Equipment Maintenance
- Quality Management
- Business Intelligence
- Process Automation
- Application Management
- Cloud Management
- Remote Data Monitoring
- Environmental Monitoring
- Energy Consumption Optimization
- Inventory and Asset Management
- Remote Diagnostics & Analysis
- Live-Feed Video Surveillance

# Technology Stack

## Connectivity

Wireless, NFC, 4G LTE, Ethernet, GSM Network, Bluetooth, REST, AMQP, WebSocket, TCP/IP, BLE, Wi-Fi, GPRS/2G/3G/4G/5G, Zigbee, CAN/CANopen, iBeacon, RFID, SigFox, LoRaWAN, NB-IOT



## Languages

Microsoft .NET, Java, Python, Node.js, PHP, C++, Go, HTML5, CSS, JavaScript, Angular, React.js, MeteorJS, Vue.js, Ember.js, Next.js



## Supported Protocols

HTTP/HTTPS, TCP, XMPP, UDP, MQTT, CoAP, AllJoyn



## Amazon Web Services

– IoT Device Management, IoT Things Graph, IoT Core, IoT Events, IoT Greengrass, IoT Device Defender



## IoT Data Analytics and Machine Learning

Apache Cassandra, Amazon DynamoDB, Apache Hbase, Apache Hadoop, Apache Kafka, Apache Storm, Apache Spark, MLlib



## Cloud Databases and Storage

### AWS

Amazon S3, Amazon Redshift, Amazon DynamoDB, Amazon DocumentDB, Amazon Relational Database Service, Amazon ElastiCache



### Azure

Azure Data Lake, Azure Blob Storage, Azure Cosmos DB, Azure SQL Database, Azure Synapse Analytics



### Google Cloud Platform

Google Cloud SQL, Google Cloud Datastore



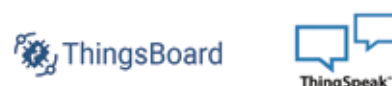
## Mobile

iOS, Android, Xamarin, Apache Cordova, Progressive Web Apps, React Native, Flutter, Ionic



## Open-Source IoT Platforms

ThingsBoard, ThingSpeak



## Contact Us

Drop us a line and let us know what we can do for you. There is no limit to what our passionate team can make possible for you. Here are some examples:

- Come up with an idea to solve a challenging issue faced by your business
- Execute a complex project/product idea
- Take the burden of managing legacy products off your shoulders
- Provide a skilled project team to augment your in-house resources
- Provide consultancy about your industry standards and market trends
- Architect a customized partnership model with *Powersoft19* to empower you to beat the competition

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