The rise of the Internet of Things (IoT) opens endless opportunities to forward-thinking companies. However, organizations seeking to drive business growth through the adoption of the IoT face various challenges, including multiple standards and protocols, data security and privacy issues, slow development, quality issues, as well as regulatory demands, late and expensive support, and lengthy time to market.

Despite these challenges, the IoT gives companies a chance to gain a competitive advantage - provided they are using the right solution.

We solved these challenges for many partners by providing different services, such as:

- Software engineering
- Embedded system engineering
- Development process optimization
- Quality assurance
- Support and maintenance
- Integration
- Cloud solutions
- Solution prototyping

Comtrade Digital Services provides the entire stack of software engineering services for your next IoT project.

We have also developed expertise in:

- Connectivity (IBM Watson, Microsoft Cortana)
- Predictive maintenance
- Cloud (Amazon, Azure)
- Databases (SQL (H2, postgresql) and noSQL databases (Elasticsearch, mongoDB))
- Communication/Protocols (TCP/IP stack)
- Embedded Systems /Real Time
- Sensors/HW (I2C, Serial, CAN bus)
Some of our projects

Industry and Logistics

**Predictive maintenance platform** - A modular asset and ticket management platform for improving just-in-time maintenance of critical assets.

- Based on the proven Apache Spark technology
- Dividing data using predefined parameters
- Calculating KPIs on real-time triggers
- Innovative predictive analysis

**360° DYNAMIC WAREHOUSE MANAGERSYSTEM**
Combination of multiple technologies and the IoT for data collection and validation.

- Offline mode
- Synchronization with central location
- Track and trace
- Pick-by-voice, pick-by-vision, scanning
- Measuring and monitoring
- RFID / barcodes / visual recognition / GPS / scales / smart glasses / voice / scanners / ultrasound

Public sector

**Smart Cities Initiative** - Truly responsive environment for citizens and officials.

- CITIZEN ENGAGEMENT PLATFORM - Aggregate municipal services in one place
- SMART CITY DATACENTER - All data in one place to power an intelligent city
- GREEN AWARENESS - Empowering citizens through gamified social and mobile solutions

**HOW DO YOU BENEFIT BY ENGAGING COMTRADE DIGITAL SERVICES?**

- Identify business models for new revenue streams
- Adopt a data-driven approach and make informed business decisions
- Reduce operational costs
- Understand customer needs and improve the user experience

Enabling companies to innovate faster

Comtrade Digital Services is a provider of strategic software engineering services and solutions. For over 25 years we have been enabling companies across different industries to innovate faster and reinvent their business models digitally by using agile development methodologies, innovative technology and business acumen. We focus on global delivery and implementation in digital banking, mobility and travel, healthcare, logistics, public sector and telco industries.

- 1,500 employees worldwide
- 25 years of development work
- 16 companies in 11 countries
- 330 million USD in revenues
- 900+ satisfied customers

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