iot platform

Nexign IoT Platform is a convenient all-in-one product that helps you get the most out of IoT technology. It unlocks the competitive value of your business and enables efficient management of your IoT ecosystem, boosting business productivity and ensuring the highest level of security.

Key Capabilities

Nexign IoT Platform includes an extensive set of capabilities that can complement each other depending on the individual needs of end users:

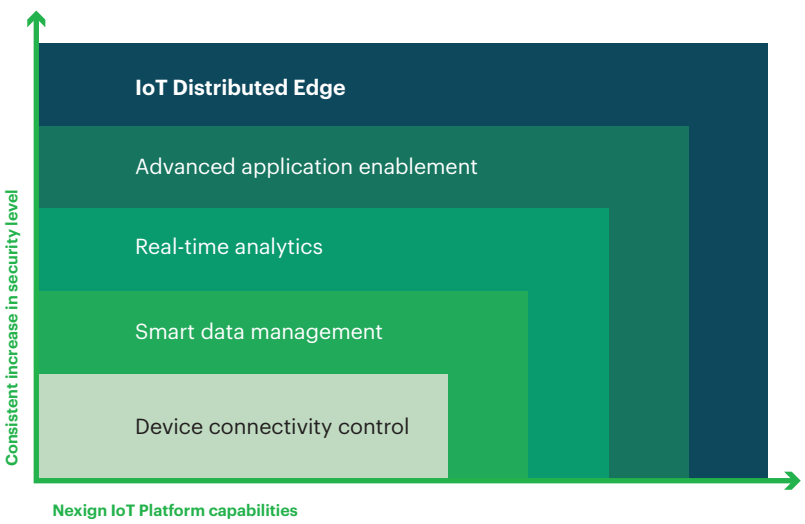
Device connectivity control allows IoT devices to be remotely onboarded, organised, monitored, and diagnosed with maximum efficiency.

Smart data management enables effective work with data from IoT devices (storage, collection, classification, reporting, etc.).

Real-time analytics provides extensive data analysis across all IoT devices for prediction and prevention of problems such as fraud or equipment failure, eliminating the risk of unexpected outlay on the consequences of these issues.

Advanced application enablement allows applications to be integrated into a single digital environment and managed via a single interface, eliminating problems arising from differences between applications (e.g. programming language or version).

IoT Distributed Edge handles integration of all IoT devices, processes, applications, and data, converting them into a powerful product for extracting maximum value from IoT. It also provides a new opportunity for communication service providers, who can create unique IoT services for customers while remaining at the centre of this distributed ecosystem.



Why Nexign IoT Platform?

- **Advanced security** powered by real-time device behaviour analysis
- **Excellent for the digitalisation experience** thanks to digital twins
- **Highly adaptive** due to built-in domain-specific ontologies and AI
- **High accuracy** in data analytics due to advanced machine learning
- **Flexible customisation** to individual customer needs

Nexign IoT Platform is included in Analysys Mason's report, IoT Monetisation Platforms: An Increasing Number of Use Cases is Encouraging CSP Investment (May, 2018).

Business Opportunity

- Global spending on business digital transformation is forecast to reach **$1.97 trillion** in 2022
  (according to IDC report "Worldwide Semiannual Digital Transformation Spending Guide")
- Revenue from IoT will reach **$1.1 trillion** globally in 2025
  ("IoT: the $1 trillion revenue opportunity" article by GSMA Intelligence)
- Enterprises are willing to pay over **20%** on average for IoT if security concerns are addressed
  ("IoT Markets Are Growing at 20%" article by Bain)
- Use of Nexign IoT Platform by a Tier 1 mobile operator in Europe increased their IoT market share from **19%** to **37%** over three years

Key Features

- Compliance with 3GPP and OneM2M standards
- NB-IoT support via integration with SCEF
- Telco-grade, NFV-ready services
- Geolocation, fraud detection, and consumption limitation as out-of-the-box services
- QoS management as a service (e.g. FOTA)
- Advanced fraud detection based on device behaviour analysis
- Seamless integration into BSS and CSP's core network
- Embedded device and application onboarding
- User-friendly, intuitive interface
- Support for main data transport protocols and different payloads

Business Benefits for CSPs

Open up new revenue streams on a local and global scale:

- **Implement new monetisation models** with PaaS value-added services in a real-time pay-per-use model
- **Monetise data by selling services** based on data analytics, such as anomaly detection and risk prevention
- **Offer new services** to end customers such as FOTA (Firmware over the Air) and geofencing
- **Expand your opportunities** with a lucrative partnership model

Business Benefits for Enterprises

Optimise your IoT business processes for maximum benefit:

- **Smartly transform your IoT ecosystem into a digital environment** to reduce costs, human effort, and spending on resources
- **Focus on business by leveraging automated decision-making** via real-time analytics and monitoring
- **Ensure a high level of security** across all digital transformation and IoT management business processes

Use Case Examples

Smart city

Integration and real-time analytics of a city's IoT applications, devices, and data from processes such as environmental monitoring, transportation, garbage collection, and many others helps authorities and other stakeholders make timely and correct decisions about urban issues.

Predictive maintenance

Implementation of digital twin technology helps prevent equipment failure, enabling real-time notifications of abnormal functioning.

Fraud prevention

Real-time monitoring of SIM card activity minimises security risks such as fraud, enabling timely alerts about suspicious activities and instant SIM card blocking.

About Nexign

Nexign is a leading Business Support System (BSS) and Internet of Things (IoT) platform provider that has been delivering pragmatic, value-driven solutions focused on customers' total cost of ownership since 1992. As communications service providers become digital service providers, Nexign accelerates their transformation through engineering excellence and agile products and services that facilitate revenue-stream diversification. Headquartered in St. Petersburg, Russia, Nexign employs 1,800 people worldwide. The company has delivered more than 120 projects across 14 countries and had revenue of $200 million in 2018.

nexign-systems.com/IoTPlatform