



Industry Playbook

Industry Edition

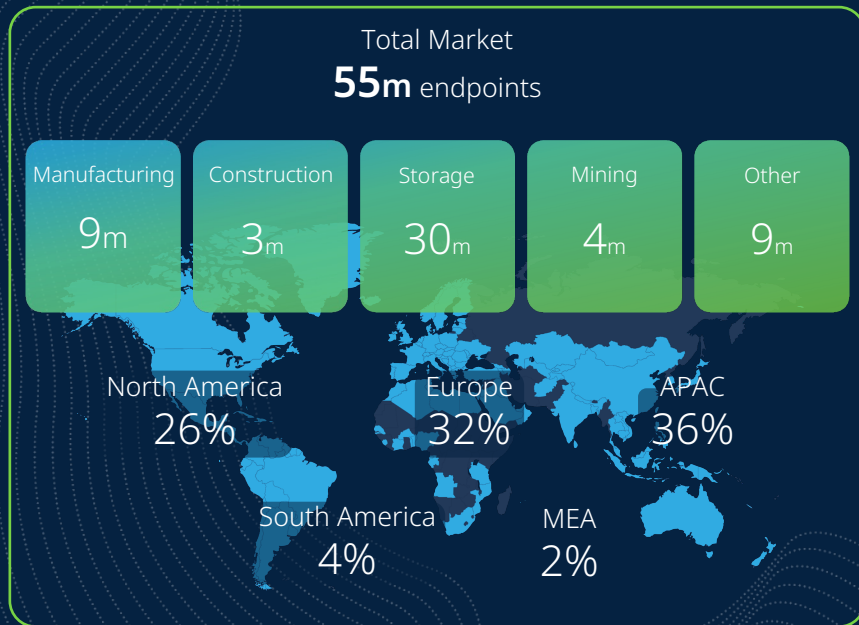
Market Insights, Best Practices, Player Overview along the Value Chain

March 2025



The Industry sector is a growing segment in the IoT landscape, requiring global coverage

Relevance of industrial automation use cases for the IoT market:




































1NCE's footprint in the industrial automation sector:



Sources: Market data courtesy of Transforma Insights, 1NCE Customer Insights
As of Jan 2025, 1NCE served 23,000 customers of which 9% are active in the Industry sector.

Common use cases supported are predictive maintenance, building automation, inventory management and monitoring, and supply chain.

9% of our customers are building solutions in the Industry sector, including equipment monitoring and automation

	Customers %	Typical applications			Selected customers
Utilities	 20%	<ul style="list-style-type: none">Electricity metersGas meters	<ul style="list-style-type: none">Water metersLeak prevention	<ul style="list-style-type: none">Network monitoringSmart grid	 
Infrastructure	 8%	<ul style="list-style-type: none">Remote Maintenance for elevators	<ul style="list-style-type: none">Solar Energy MonitoringCharging stations	<ul style="list-style-type: none">Water and heating metering	  
Logistics	 7%	<ul style="list-style-type: none">Asset trackingTemperature monitoring	<ul style="list-style-type: none">Telemetry for vehiclesGeo-fencing	<ul style="list-style-type: none">Cold-chain monitoring	 
Automotive	 17%	<ul style="list-style-type: none">Usage based insuranceRoad-charging	<ul style="list-style-type: none">Fleet managementCar sharing	<ul style="list-style-type: none">Stolen vehicle recoveryFuel level monitoring	  
Industry	 9%	<ul style="list-style-type: none">Oil monitoringIndustrial automation	<ul style="list-style-type: none">Tank monitoringEquipment monitoring	<ul style="list-style-type: none">Industrial sensors	 
Agriculture	 7%	<ul style="list-style-type: none">Remote analysis of bee colonies	<ul style="list-style-type: none">Pest controlYield monitoring	<ul style="list-style-type: none">Geofencing and alerting	  
Smart Cities	 6%	<ul style="list-style-type: none">Cost and energy reduction	<ul style="list-style-type: none">Water leakage monitoring	<ul style="list-style-type: none">Elevator management solutions	 
Healthcare	 2%	<ul style="list-style-type: none">Health monitoringRefrigeration monitoring	<ul style="list-style-type: none">Cleaning monitoring (hotels)	<ul style="list-style-type: none">Digital signage	 
Consumer	 7%	<ul style="list-style-type: none">Indoor Wellbeing Monitoring	<ul style="list-style-type: none">Professional Coffee Machines' Monitoring	<ul style="list-style-type: none">Energy consumption monitoring	 
Retail	 1%	<ul style="list-style-type: none">Vending Machines Monitoring	<ul style="list-style-type: none">Payment Processing		 

Key IoT use cases in the Industry sector

Predictive Maintenance

IoT-based predictive maintenance utilizes data from sensors and advanced analytics to predict when equipment or machinery needs maintenance. Analyzing specific patterns in performance and wear, it is possible to prevent unexpected breakdowns and extend the lifespan of assets.



Remote Diagnostics

Remote diagnostics and monitoring use IoT connectivity and cloud data to remotely control equipment and machinery. It enables real-time identification of issues and performance anomalies. With this approach, the number of manual check-ups reduces, while troubleshooting happens quicker.



Inventory Management

Inventory management involves tracking inventory levels and movements through connected sensors and devices. This enables real-time insights into stock availability and location. Using IoT solutions for Industrial Automation helps businesses optimize stock levels, reduce waste, and improve operational efficiency.



Key IoT use cases in Industry sector

Smart Building Automation

Smart building and building automation imply the automated control of electrical, mechanical, and HVAC systems within buildings for energy efficiency and occupant comfort. Sensors and IoT devices adjust lighting, temperature, and ventilation based on real-time conditions and occupancy.



Supply Chain Monitoring

Supply chain monitoring tracks and optimizes various processes involved in the production, storage, and distribution of goods. IoT-connected sensors and data obtained via software provide real-time insights on inventory levels, transportation conditions, and production efficiency. This enables better decision-making, improved operational efficiency, and greater supply chain visibility.












Automated Quality Control

Automated quality control uses IoT sensors and AI-powered cameras to detect defects and inconsistencies in manufacturing processes. Real-time monitoring ensures that products meet quality standards by identifying errors early, reducing waste, and minimizing rework.



Overview of players with traction in the market







Key players in **Industrial Control Systems**

Player	Logo	Location	Description	Website
Emerson		USA	Control systems & process management solutions	Link
Fanuc		Japan	CNC systems, robotics & factory automation solutions	Link
Honeywell		USA	Industrial automation, cybersecurity & process control	Link
Hitachi		Japan	Industrial automation, IoT & AI-driven solutions	Link
Mitsubishi Electric		Japan	Factory automation, PLCs, motion control & robotics	Link
Omron		Japan	Robotics, industrial automation & sensing solutions	Link
Rockwell Automation		USA	Industrial control systems, automation software	Link
Siemens		Germany	Digital twin technology & smart manufacturing solutions	Link
Schneider Electric		France	Energy management & smart factory solutions.	Link

 Find more at the **1NCE Knowledge Base**

Overview of players with traction in the market





Specialized players in **Automation Equipment**

Player	Logo	Location	Description	Website
Balluff		Germany	Sensors & automation products for manufacturing	Link
Bosch		Germany	Sensors, drives, and control systems	Link
Cognex		USA	Vision systems, barcode readers & vision software	Link
Eaton		USA	Electrical components, control systems & power control	Link
Endress + Hauser		Switzerland	Measurement instrumentation, sensors & automation	Link
Turck		Germany	Industrial sensors & automation components	Link









 Find more at the **1NCE Knowledge Base**

Overview of players with traction in the market

Specialized players in **Industrial Robots**

Player	Logo	Location	Description	Website
ABB		Switzerland	Articulated robots, collaborative robots & delta robots,	Link
Fanuc		Japan	Robotic arms for material handling, welding, assembly	Link
Yaskawa		Japan	Motoman robots & motion control systems	Link
Kuka		Germany	Heavy-duty robots and lightweight collaborative robots	Link

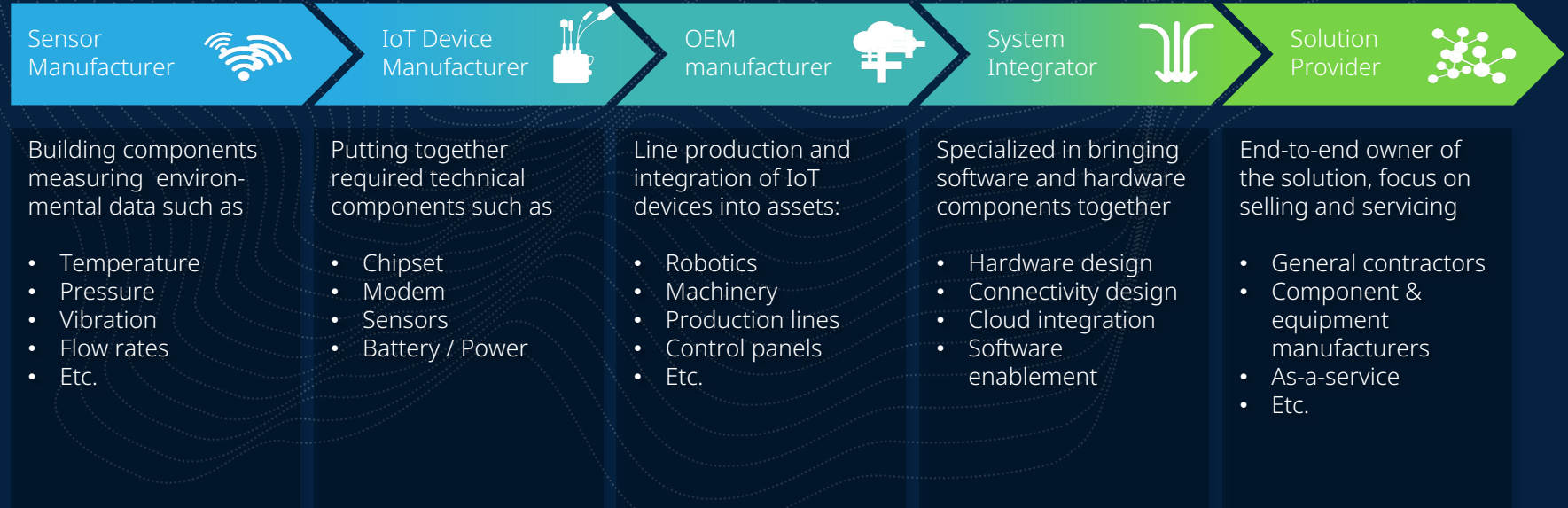
Players 1NCE is supporting in the field

Player		Use Case	More info
autosen		Specializes in sensor technology and IIoT solutions; the io-key gateway & IO-Link technology for commissioning of sensors	Link
azeti		Connecting water leakage hardware to its software environment	Link
FP Group		Condition monitoring and preventative maintenance services to remotely monitor contamination in oil systems	Link
General Track NaBi		A tracking beacon for real time monitoring, including information on location, temperature and motion	Link
Q.beyond		The IIoT Starter Kit sensor technology for analysis temperature, pressure, vibration; remote control of the devices in the IIoT environment	Link
pikkerton		XBS-200 multi-sensor for environmental monitoring; setting up alerts based on predefined thresholds, energy-saving and strategy for longer functioning	Link
Saijai Tech		The MiniLink Gateway Version 3.0 for IIoT; IoT solutions without additional coding	Link
Schaeffler		The Condition Monitoring System OPTIME (CM) which is part of the OPTIME Ecosystem, combining condition monitoring and smart lubrication	Link

 Find more at the **1NCE Knowledge Base**

Understanding the roles of players along the value chain

Creating connected products in the Industrial Automation industry means to maneuver through the IoT ecosystem



1NCE has a dedicated offering for Industrial Automation

	Typical customer requirements	Standard offerings	1NCE Offering
Pricing	<ul style="list-style-type: none">• Single SKU• Cost transparency• Often only low data use cases	<ul style="list-style-type: none">• Multiple suppliers for each region• Monthly fees, overage charges• Data selling focus, high data preferred	<ul style="list-style-type: none">✓ All-in-1: \$10/10 years of service✓ Transparent: no monthly fees✓ Lifetime Flat: 500 MB, 250 SMS
Coverage	<ul style="list-style-type: none">• Global coverage• Support of LPWA technology• Multiple network and operator switch	<ul style="list-style-type: none">• Country group pricing, zoning• No or limited NB-IoT and LTE-M support• Different SIMs for different regions	<ul style="list-style-type: none">✓ 173 countries coverage; no zoning✓ +50 LPWA networks supported✓ Global SIM with eUICC support
Service	<ul style="list-style-type: none">• Device Management• API support• Interoperability	<ul style="list-style-type: none">• Device Mgmt not included• API use not available or at high cots• No compatibility with 3rd party software	<ul style="list-style-type: none">✓ Included in 1NCE OS✓ All functions exposable through API,✓ Can be natively used with 1NCE Plugins

We bring your data from the sensor to the cloud

Your Devices



1NCE Platform

Connect

- 500 MB
- 250 SMS
- 173 countries
- VPN / APN
- Data Streamer

OS

- Cloud Integration
- Location Services
- Energy Saver
- APIs
- Device SDKs

\$10 for 10 years

Your Data



Business



\$1.00

Industrial



\$2.00

Chip



\$2.50

Sensor Data

Our 1NCE Lifetime Flat is the new standard in IoT

1NCE IoT Lifetime Flat

10 years of service including:

1NCE Connect

- 500 MB
- 250 SMS
- 173 countries coverage
- Open VPN
- API Usage & APN
- Data Streamer
- Monthly data limits
- IMEI Lock
- Freedom to Switch
- 3 months grace period

1NCE OS

- Cloud Integrator
- Device Locator
- Energy Saver
- Device Authenticator
- Device Inspector
- Device SDKs and Blueprints
- LwM2M Service
- Device Controller
- Admin Logs
- Access to Developer Hub (Documentation)

One time fee: \$10.00

SIM Options



- ✓ Already covers all requirements for most IoT use cases
- ✓ Already sold to 23,000+ customers in 100 countries
- ✓ Widely used across all industries and verticals
- ✓ No minimum order quantities*

Optional Add-Ons and Extensions

Data Top-Up

Additional 500 MB and 250 SMS

+\$10.00

Lifetime Extension

Additional 10 years, 500 MB and 250 SMS

+\$10.00

High Data Option

High throughput 25Mbit/s

\$5.00 / GB

Advanced Device Locator

High-res network location service

Plugins

Integrated 3rd Party Software

Free Trial

High Security Data Routing

IPSec / VPC Peering services

\$1,800+ / yr

- ✓ Add-Ons trusted by 4,000+ advanced users
- ✓ Co-developed with and for customers

About 1NCE

Fast



23,000+ customers
won in 7 years



400+ team
across Europe,
Asia and US



30 million
managed endpoints









+100% year on year average growth

"1NCE launched its flat rate life-time connectivity offering for connected devices in 2018 and has achieved unparalleled growth in the past two years."

Johan Fagerberg, CEO, Berg Insight

Strong

- Global access under a strong
a family of local network operators

- EU  Deutsche Telekom AG
- USA  T-Mobile US
- Asia  SoftBank
- China  中国电信
- Claro  Claro
- Bell  Bell

Everywhere

Can be used for multiple
IoT applications



Smart
Agriculture



Waste
Management



Industrial
Automation



Fleet
Telematics



Smart
City



Tracking



AR / VR



Smart
Buildings



Infrastructure
monitoring



Smart
Metering



Remote
Monitoring



Tracking
Devices

1NCE is a company offering a software platform for connected products that delivers future-proof, hassle-free IoT in 173 countries and regions. The software platform enables customers to easily, securely and reliably collect device data and turn it into actionable intelligence. This accelerates time-to-market for data collection projects by months, increases device lifetime by years, and allows efficient management of sensors from initial deployment to the end of the product lifecycle. More than 23,000 users and 60 Fortune 500 companies trust 1NCE with 30 million connected products worldwide.

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