

Baseⁿ

Global **full stack** IoT Platform

Enabling innovation & transformation in any industry

BaseN: Global full stack IoT platform

Baseⁿ

BaseN operates and continuously develops its own **full stack IoT Platform**

- Since 2001
- Fully owned IPR and architecture
- Deployed as Software-as-a-Service
- Designed to be real time, linearly scalable, fault tolerant and inherently distributed
- Suitable also for mission critical applications
- 24x7 SLAs provided to customers
- Transparent billing, pay as you grow
- Customers can deploy global products in days

BaseN full stack layers

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- 1 User Experience** Extensive service design interfaces and knowledge
- 2 Thing (Device) Management** Device management & connectivity capabilities up to billions of devices
- 3 Data Science & Analytics** Capability for parallel processed, distributed algorithms across all platform computing resources
- 4 Extensive Application Programming Interfaces (APIs)** Interfaces from/to external and legacy applications
- 5 Spine containers** The permanent logical brain and memory of any physical thing
- 6 BaseN Platform Core** BaseN Platform core, fully owned Intellectual Property Rights (IPR) for all essential components
- 7 BaseN Platform Operating Environment** Uniform BaseN Platform Operating Environment (BPOE), own configuration management
- 8 Computing & Storage Hardware and Edge Equipment** Bare metal servers, own distributed storage systems
- 9 Data Centers** BaseN acquires dedicated co-location space at optimally selected global hubs
- 10 Network Access** BaseN is an Internet Service Provider since 2001 with own Autonomous Systems and open peering policy

BaseN global presence

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- Currently processing over **one million transactions per second** out of 12 datacenters globally
- Serving **customers in 80+ countries**, for example:



- Global construction site control
- Manufacturing and industrial automation
- Smart Building and Energy
- Smart Living and eHealth
- Datacenters and energy management
- Full telecom OSS (operations support system)



Select Customer Cases

on Baseⁿ | Norsepower Rotor Sails

Baseⁿ

- Norsepower brings sail back to ocean transportation **on BaseN**
- BaseN's knowledge on security is a **significant asset** for **automation** playing an important role in **ocean transport**
- Managing **the entire life cycle** of the sails – spines (advanced digital twins **on BaseN**)
- BaseN runs the **analytics required to operate** the sails with enriched **information of the conditions** in parallel with the local services onboard
- BaseN built the **UX for Norsepower engineering**, ship-owners, ship officers and other stakeholders in engineering, **map and other necessary views**
- Engineering co-operation has been **seamless** and the process of development has been executed with **agile technologies**



on Baseⁿ | Trimble CrewSight™

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- Core platform to enable visibility on building construction projects combining a jobsite access control system with a worker database for increased site security and efficiency
- More than 300,000 workers and assets already on BaseN Platform
- A flexible and scalable system that is easy to deploy
- Powerful analytics and correlations to increase construction efficiency and security
- Retail warehouse inventory tracking, with automatic order creation based on thresholds of volume of goods monitored real-time through RFID or bar code tags



The screenshot displays the Trimble CrewSight software interface. It features a dashboard with various data points, including a table of worker activity and a sidebar with navigation options. The interface is overlaid on a background image of a construction worker wearing a yellow hard hat and a white shirt, looking upwards. The Trimble logo is prominently displayed in the center of the interface.

Accessibility

- OFFSITE
- Roof
- Site
- Safe Practice Agree...

Space: OFFSITE
GUID: Global Offsite Location

● Full Access
○ Full Deny

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- Kone has been relying on BaseN **network monitoring and management technology** to ensure **high SLAs** for the past 5 years
- Kone has standard installation running on the BaseN Platform with two agent computers to ensure **full redundancy**
- BaseN service is targeted towards ICT management and business owners – providing a **multitenant and multivendor portal views** for the entirety of Kone’s distributed ICT and telecom network
- Currently, with **partnership with Fujitsu**, BaseN is approaching the **industrial internet monitoring** segment of Kone



- BaseN is **the umbrella platform for Fujitsu Europe's major customers** (Fujitsu Patja)
- Fujitsu Patja is **a fully transparent service** that takes **full responsibility for the customer's IT process**, allowing the customer to focus on its core business without having to worry about IT operations and maintenance
- Telecom equipment, IT servers and increasingly smaller **IoT devices under management**
- BaseN Platform has replaced large EMC Smarts, IBM Tivoli and IBM Netcool environments
- Fujitsu Europe has been a **BaseN customer for over a decade**



- Migrating multiple existing solutions from **different monitoring systems into one**
- **Data collection** through provider equipment (PE), customer equipment and customer edge (CE)
- Providing **real time** measurements of **network availability and performance** indicators to T-Mobile customers
- Fast incident response and issue management system for the **Network Operations Centre (NOC)**
- Enable T-Mobile to offer performance monitoring as optional, **value-adding service** and provide a foundation to **develop and launch new services quickly**

