



CYBER DEFENCE AND SECURITY | **on** Baseⁿ

*A primer on offerings by **BaseN** for the **defence** sector*

19 YEARS OF EXECUTION|on Baseⁿ

2001 - BaseN designed its own **full stack** platform

Core features of BaseN - *fault tolerance, scalability and inherently distributed architecture* – having its roots in Finnish military aviation

2002 - BaseN created a scalable and fault tolerant network and service management environment for **telecommunication operators** and large multinational enterprises

Proven track record of global customers building *new services* on BaseN

GLOBAL ENTERPRISES | on Baseⁿ

Currently processing **over one million transactions** per second out of 12 datacenters globally

Serving customers in **80+ countries**, for example:



NORSEPOWER



- 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)

CYBER DEFENCE AND RESILIENCY | on Baseⁿ

Vulnerability
research and
testing

BaseN has unique expertise in handling massive data, e.g. from DDoS attacks through distributed architecture

Artificial
Intelligence
and Advanced
Systems

BaseN Platform is an ideal host for AI, ML and Advanced Systems

Cryptography

BaseN has a reliable partnership network at disposal, to access required crypto technologies

IoT & Industry
Systems

BaseN has proven track record in IoT/IIoT solutions for mission critical deployments in various real world industries

Situational
Awareness and
Threat
Intelligence

BaseN enables distributed situational awareness over any infrastructure and any type of sensor data

Cyber Training

BaseN has dedicated domain expertise in training and enabling cyber literacy for all stakeholders

NETWORK MANAGEMENT | on Baseⁿ

Internal
Solutions

Datacenter
services

Telecom
services

Local
Networking
Integrators

Specialized
Application

Baseⁿ

**Optimum Platform
for Complex
Integration**

BaseN is a chosen partner for various private enterprises, telcos and Finnish government agencies

Highly secure – on premise, containerized deployments are supported

I. OVERVIEW

For large military projects BaseN enables high quality end-to-end monitoring that also performs root-cause-analysis, enabling recovery from fault situations faster

Each target device would be monitored by two separate data collectors, making BaseN environment highly fault-tolerant

Incoming data would be evaluated by BaseN Platform's Issue Manager against SLA and other alert thresholds, and events for correlation. Each data collector can monitor approximately 2500 complex devices

Granularity of reporting - both real-time and historic. BaseN retains all historic data and capability to perform advanced correlation and comparison

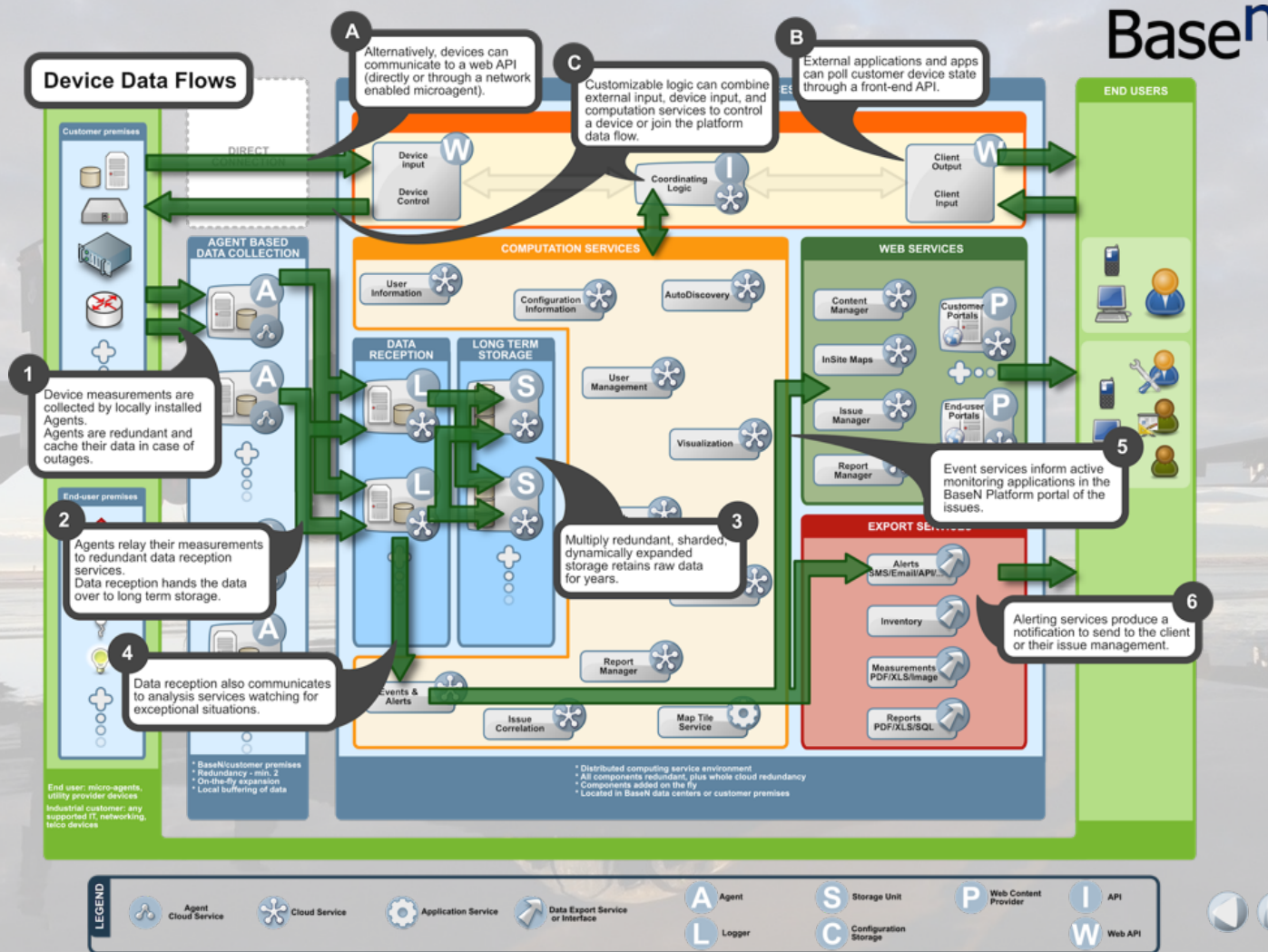
II. BENEFITS

BaseN can be integrated with existing network management systems both legacy and new

BaseN Performance and Fault Management (PM/FM) is a standard for several global carriers

BaseN enables preventive maintenance and adaptive capacity upgrades

SECURE ARCHITECTURE | on Baseⁿ



INNOVATIVE PATENTS | on Baseⁿ

BaseN holds the following **US Patents** for the BaseN technology:

US 20170139788A1 - Spime™ host system, process, object, self-determination apparatus, and host device.

US 20120089523 - Smartgrid Energy-Usage-Data Storage and Presentation Systems, Devices, Protocol, and Processes Including a Visualization, and Load Fingerprinting Process.

US 20120158328 - Smartgrid Energy-Usage-Data Storage and Presentation Systems, Devices, Protocol, and Processes Including a Storage Distribution Process.

US 20120158327 - Smartgrid Energy-Usage-Data Storage and Presentation Systems, Devices, Protocol, and Processes.

US 20120154171 - Smartgrid Energy-Usage-Data Storage and Presentation Systems, Devices, Protocol, and Processes Including an Announcement Protocol.

US 20120158329 - Smartgrid Energy-Usage-Data Storage and Presentation Systems, Devices, Protocol, and Processes Including a Storage Distribution Process and Protocol.

US 10503615B3 - Spime™ host system, process, object, self-determination apparatus, and host device.

*BaseN relies on own very
strong international IPR*

OPTIMUM SOLUTIONS|on Baseⁿ

Knowledge of
the Local
Market

Entrenched presence in the Finnish market, also strategic consulting in optimizing technical requirements and partner selection

Secure by
Design

No security breaches in 19 years. Built in security by design, for sustainable technological evolution

Sustainable
AI and
advanced
technology

AI sustainability and preserving the algorithmic wisdom gained over the course of designing and deploying the technology. Creating technologies that stand the test of time

Customized
service
offerings

Unified overview of the entire network, enabling swifter actions and digital twins for critical assets and equipment, creating required forecasts and trends. Possibility for both proactive and reactive measures



Baseⁿ

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