


# Base<sup>n</sup>



## CUSTOMER CASE T-Mobile Data Centers

### Outstanding service quality for the largest data centers

### Accurate and transparent monitoring and billing in real-time through BaseN

For T-Mobile, BaseN provides a unified Platform to manage all existing technologies in the Data Center. Each T-Mobile Data Center customer gets an extensive customer portal including transparent billing information.

Real-time access to critical data is available for both T-Mobile integrated Network Operating Center (NOC) and to the end users, in unparalleled granularity.

BaseN was selected as it is the most scalable, fault tolerant and flexible Platform to be integrated to the existing, heterogeneous infrastructure of T-Mobile.

After using the BaseN Platform already for several years in performance monitoring of IP VPN (Cisco, Juniper, Ciena, OneAccess and more) and Ethernet lines (Ciena, Alcatel Lucent and more), T-Mobile expanded its use also for its Virtual Hosting Environment (VHE on VMware).

- Need for **unprecedented scalability**
- Provision and visualization of **real time data**
- Quick and **cost efficient** implementation without service interruptions
- Automatic **alerts**
- Increasing Client **Service Value**
- Accommodate T-Mobile **look and feel**

#### WHAT

- Thorough monitoring of data centers of various sizes (IT, electricity, environmental elements, security and safety data,...)
- Collecting wide array of different data with one single Platform

#### WHY

- Provide transparency between the facility provider and the customer
- Bring peace of mind to NOC staff
- Penalty reduction towards customers
- Receive billing data for electricity
- Establish SLA towards customers (power limits, Power Usage)
- Effectiveness, temperature, humidity)
- Bring diverse technologies into a single view

#### HOW

- BaseN Agents connect to API of used technologies
- BaseN Event manager watching real-time exceptions
- BaseN portal provides secure access for performance data to internal or external users

## BaseN brings War Room Grade Insight to Data Centers

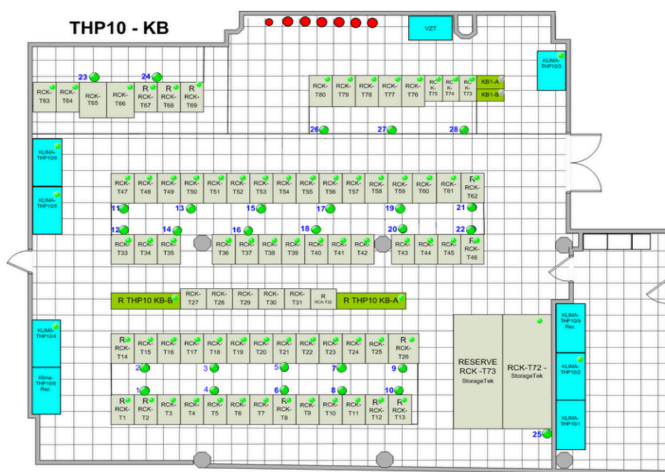
### SENSOR AND TECH SPECS:

Data is collected from SCADA via its API. In some other cases (e.g. PIR security infrared motion sensors) BaseN agents receive standard SNMP "traps". Also Syslog collection is part of the solution.

Other: Syslog sender, SCADA catalogue, data server.

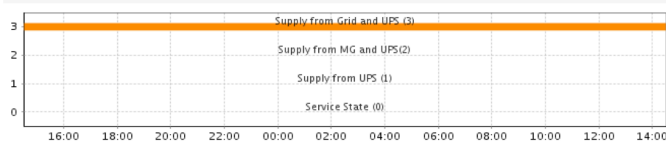
SCADA/SQL using SOAP data pump to collect information.

The monitoring includes: Temperature, Humidity, Electricity consumption



### Power Supply System Status Information

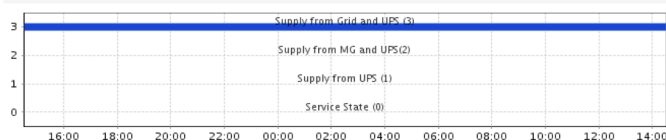
ROZVODNA THP9 - RH1 (2.5.17 14:30 - 3.5.17 14:29 CEST (UTC+0200))



Day Week Month Year Calendar < > + - Apply to all Reset Popup More...

Name	last value
Supply System State RH1	Supply from Grid and UPS (3)

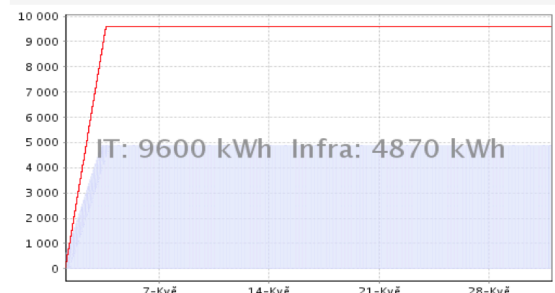
ROZVODNA THP9 - RH2 (2.5.17 14:30 - 3.5.17 14:29 CEST (UTC+0200))



Day Week Month Year Calendar < > + - Apply to all Reset Popup More...

Name	last value
Supply System State RH2	Supply from Grid and UPS (3)

### Energy Totals (1.5.17 0:00 - 31.5.17 23:59 CEST (UTC+0200))



Month Aligned Day Week Month Year Calendar

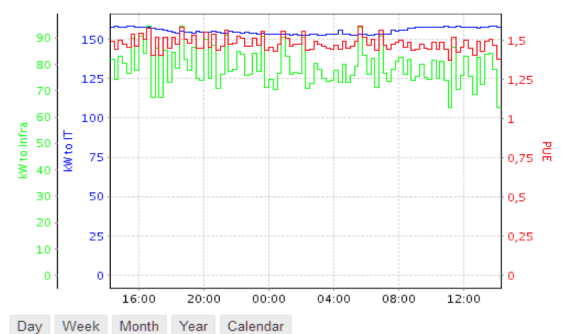
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More...

Name	minimum	average	maximum	last value
Energy to IT	40	9198	9600	9600
Energy to Infra	20	4666	4870	4870

### Key indicators



Day Week Month Year Calendar

For more information visit [www.basen.net](http://www.basen.net)

Twitter: @BaseN\_Corp

LinkedIn: <https://www.linkedin.com/company/basen>

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