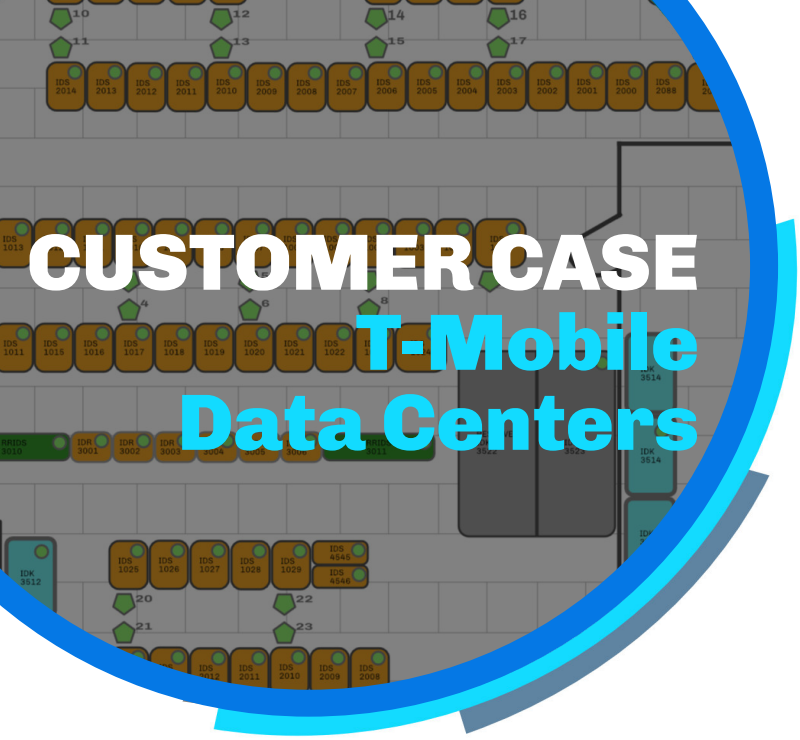


CUSTOMER CASE
T-Mobile Data Centers

BaseN

Need for **unprecedented scalability**

Provision and visualization of **real time data**

Quick and **cost efficient implementation** without service interruptions

Automatic **alarms and alerts**

Increasing client **service value**

Accommodate T-Mobile **look and feel**

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, heterogenous 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 it's use also for its Virtual Hosting Environment (VHE on VMware).

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

BaseN

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.

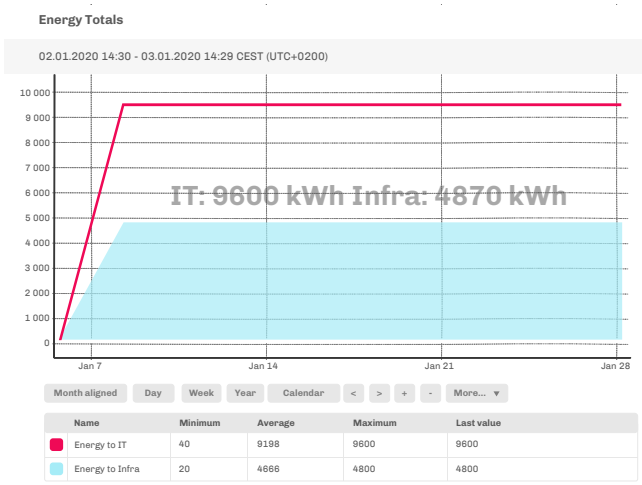
Other: Syslog sender, SCADA catalogue, data server.

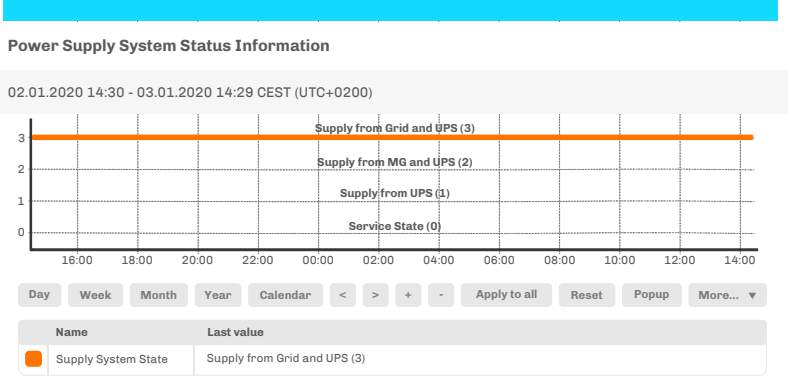
SCADA/SQL using SOAP data pump to collect information.

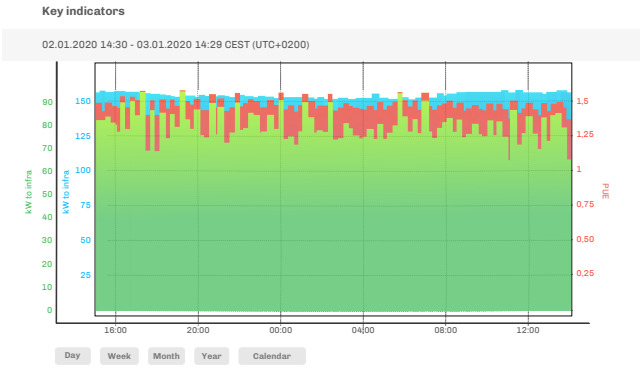
The monitoring includes: Temperature, Humidity, Electricity consumption

Above: data center layout with at a glance insight concerning the status of everything.

Below: Detailed information about the data center power supply.







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