

## Customer:



## Industry:

Energy

## Challenges:

- ▶ Systematic supervision within the infrastructure as well as communication to the internet
- ▶ Data loss detection and prevention
- ▶ Evaluation of individual data lines usage
- ▶ Automatic anomaly detection and the ability to create records of incidents

## Solution benefits:

- ▶ More efficient network management and overview over the use of individual data lines
- ▶ Network security enhancement with automatic anomaly detection
- ▶ Automatic reporting for the control purposes

## Products:

- ▶ Flowmon Probe
- ▶ Flowmon ADS Business

**MVV Energie CZ** is dynamically growing energy group consisting of fifteen subsidiaries in fifteen different cities around the Czech Republic. The company focuses on production and distribution of heat, electricity and water.

## Infrastructure

IS/IT division operates a centralized IT infrastructure for the companies of MVV Energie CZ holding. This division emphasize on safety and costs associated with IT services it provides.

Infrastructure is built of terminal servers (Windows Server) which users access from different locations of SW/HW through soft clients, classic PCs or laptops. Furthermore print servers, printers, network scanners or local technological networks communicate with the central infrastructure. Therefore, the requirement was to provide a systematical flow monitoring of the infrastructure as well as communication to the internet. In both cases the focus was to control security policies and rules enforced by other technologies and safety guidelines according to ISMS.

## Further customer requirements

Among the main customer requirements were **detection and prevention** of data loss, forbidden software usage, connection of unfamiliar devices, and other malicious conduct on the LAN/WAN. Moreover, **enhancement of security** and detection of potential threats, **continual measurement of the actual WAN usage** (or the capacity of individual data lines, communicating devices and automatic trend detection), **automatic reporting** for control purposes respective authorities, automatic **security incidents detection**, the ability to create records of incidents and control tool for evaluating the quality of provided services of WAN connectivity were required.

## Technical solution by Flowmon Probe/ADS

Customer requests were fulfilled by deploying Flowmon probe with four monitoring ports, which is connected to the network through TAP connector. The customer often uses different perspectives of traffic monitoring (profiles) and automated reports. Flowmon ADS system is used for automated anomaly detection.

## Customer Review

Ing. Jan Regner, the manager of IS/IT division of MVV Energie CZ a.s. evaluates Flowmon: “The cooperation with Flowmon Networks has lasted since 2008, when we first implemented their solution Flowmon Probe for data flow controlling, in order to systematically monitor and supervise the operation of the WAN network. Thanks to the excellent experience with this solution and further demand to increase the overall level of security (especially detection of undesired behavior within LAN network) we have decided to implement Flowmon ADS as well. We particularly appreciate that Flowmon developers successfully manage to keep up with the new security trends allowing us to quickly and efficiently evaluate potential risks. At the same time, we can allocate more time for other important activities and for further development of the MVV group.”