eutelsat broadband

SMART IN OPERATION

SATELLITE BROADBAND FOR UTILITIES AND ENERGY SECTOR

The world of the utility companies is undergoing a major paradigm change with the introduction of more intelligent ways of working and the change of economics linked to it. There is an increasing demand to introduce more intelligent management systems for production, distribution and consumption of goods like water, electricity and gas. This in itself leads to more data exchange and communication between different locations and sites. Building new infrastructures for this purpose do require major investments, but also would take time to deploy. Alternative solutions are needed, which provide a certain level of trust in terms of service availability and control for the operations in this fields.

Eutelsat Broadband with it's KA-SAT broadband satellite has the solution to this and provides broadband throughput at an attractive price point at any location across Europe, parts of North Africa and the Middle East. This is achieved through KA-SAT's future proof technology.

Eutelsat Broadband supports the needs with the right tariffs and terminal solutions. Starting with packages for Telemetry only, where sensors, actors and meters can be connected at attractive pricing, followed by solutions for remote video surveillance, KA-SAT is also available for workers coming on-site and need data-communication at high speed.

By this KA-SAT has become a key enabler for the energy and water sector specifically.

Key Advantages

- Affordable, high performance and reliable service
- Speeds up to 22 Mbps
- Availability across Europe parts of North Africa and Middle East
- Low cost satellite terminals
- No need for investment into own infrastructure
- Standard or Ad-hoc deployments

KA-SAT offers following attractive options:

- Bi-directional IP-traffic
- TCP/IP and UDP/IP support
- Dedicated or best-effort bandwidth
- Connection to Eutelsat Broadband fully redundant fibre-ring and Internet POP's
- Broadband Internet tariffs
- Voice over IP option
- IP multicast option
- Video Surveillance option
- Fixed IP addresses

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References

USAGE SCENARIO

Most of utilities as well as the energy sector have an increasing demand for data-communication at their premises and their distribution facilities. Major key words for this change are Smart Metering, Smart Grid, Internet of Things to name but a few.

In this playground KA-SAT contributes to connect:

- Remote production sites, like solar plants, wind farms or even as back-up connection for nuclear power plants.
- Smart metering systems and networks to collect data from the consumption sites.
- Distribution facilities and networks such as gas pipelines, electricity networks, water and waste management sites.
- Sensor networks for monitoring remote environments
- Interconnection between black-out resistant locations in case of major power outages.

KA-SAT can be configured such that each utility operations can have their own dedicated portion of capacity and it becomes something like an own terrestrial network, which is much more costly to build and operate than what Eutelsat Broadband offers.

ADVANCED TERMINAL

- Metal box IDU
- 77cm/3W or 120cm/4W ODU
- Dual processor
- Layer 2/3 capability
- 45W electrical power usage

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