



Enabling Global
Connectivity

KEEPING ELECTRICITY PROVIDERS CONNECTED

Electricity and energy providers around the world are under growing pressure to ensure that critical infrastructure is efficient, productive and sustainable - with digitalisation and Smart Grids emerging across the globe the ability to remotely monitor assets is vital.

Your truly global connectivity partner

Applied Satellite Technology (AST) provides innovative communication solutions to ensure reliable resilient operations in our agile world. AST is a leading communications expert providing connectivity solutions that enable **automation, remote monitoring and control of distribution networks**. Our **fully managed data and voice communications solutions** are suited for global activation anywhere in the world.

As a global innovator, AST is a trusted Tier 1 Partner to all major satellite communications suppliers, and hardware manufacturers. We focus on delivering dependable and integrated connectivity services to ensure our customers receive the best solution to meet their needs.

Connectivity in your network



Electricity Generation

Energy and utility companies around the world are adapting to Smart Grid innovations and technology advances that will facilitate dynamic, interactive and real-time infrastructure to give greater control over energy consumption and costs.

Machine-to-Machine (M2M) and resilient connectivity solutions enable **remote visibility** and **real-time access of information, data transfer** and **sharing** for immediate decision making.

Electricity Distribution

Businesses and consumers rely on a constant electricity supply - AST's connectivity solutions enable real-time access to infrastructure anywhere in the world **improving supply uptime** to support the delivery of an uninterrupted service.

Through solutions energy companies can quickly identify faults in distribution networks whilst adhering to a high level of security and safety compliance **reducing the risk of any financial penalties**.



Helping you make the most of your critical infrastructure

AST's fully managed solutions are tailored to meet unique requirements wherever you or your infrastructure is in the world. Our experts are located all over the globe ready to deliver the best solution for your network.

Fault Detection and Response



Seamless connectivity to sensors and reclosers enables asset management over-the-air. Automated monitoring allows for pinpoint visibility for issue resolution enabling targeted deployment.

- ✓ Reduce service disruption
- ✓ Minimise customer impact
- ✓ Improve response time
- ✓ Reduce field service costs

Terminal and Asset Management



Ensure valuable assets such as expensive machinery, critical infrastructure or any other asset in remote locations are protected and secure.

- ✓ Predictive maintenance
- ✓ Improve productivity
- ✓ Remote access and control
- ✓ Increase infrastructure lifespan

Connected Workforce



Rely on installation and maintenance staff from afar, ensuring productivity in the field. Remote teams can communicate in real-time, receive instructions and technical specifications 24/7.

- ✓ Improve employee safety
- ✓ No location restrictions
- ✓ Real-time connection
- ✓ Reduced service downtime

Optimised Fleet



Keep track of your vehicles' location, fuel consumption, speed, routes and maintenance tracking from anywhere in the world.

- ✓ Reduced costs
- ✓ Improved environmental impact
- ✓ Improve employee safety
- ✓ Reduced service downtime

Sustainable Applications



Supporting applications such as pipeline management, environmental monitoring, Smart Grid, compressor and valve control, well site automation and many more.

- ✓ Reduced carbon footprint
- ✓ Disaster prevention
- ✓ Reduced travel
- ✓ Safety and surveillance

The AST Group

Our global team of experts design, engineer and implement bespoke connectivity solutions, capitalising on our unique approach to always deliver the best-fit solution, wherever you are in the world.

IRIS

AST's award-winning solution to remotely track, monitor and control fixed and mobile assets from handheld units to the latest Iridium Certus terminals; IRIS also unlocks the true potential of IoT and M2M.

iRAMS Telemetry

AST's ground-breaking telemetry and asset management solution provides digital and analogue control systems.

INTEGRA

AST's flagship INTEGRA suite of services offers a complete communication solution that delivers the first real-time application control for your satellite communications.

IRIS))
iRAMS))
INTEGRA))

Pioneering innovative solutions

Intelligent remote monitoring for power grids in Ecuador

Simple close-open operation enables fault detectors and reclosers to connect to the control centres in real-time, enabling remote service restitution reducing travel and saving valuable hours.

Reducing supply downtime of UK electricity network

Pole-mounted M2M terminals enables a reduction in supply downtime by detecting faults immediately, even in remote areas such as the highlands and islands off the UK.

Real-time monitoring of remote distribution network

BGAN M2M provides reliable, connectivity for Ergon Energy's power grid for 720,000 homes and businesses – enabling secure monitoring and control of their distribution network.