Power & Energy

PROVEN COMMUNICATION FOR POWER & ENERGY SECTOR

Energy systems are among the most critical infrastructures of any country. From electricity generation and transmission to distribution networks and renewable sources, energy companies rely on communication networks that must remain operational under all circumstances – including storms, cyber threats and large-scale outages. Communication equipment used in the energy sector must meet the highest standards of security and reliability.

PROVEN IN CRITICAL NETWORKS

- 30 years of experience in critical communications
- Deployed in scale in 140+ countries
- Wide integration options

MARKET LEADER

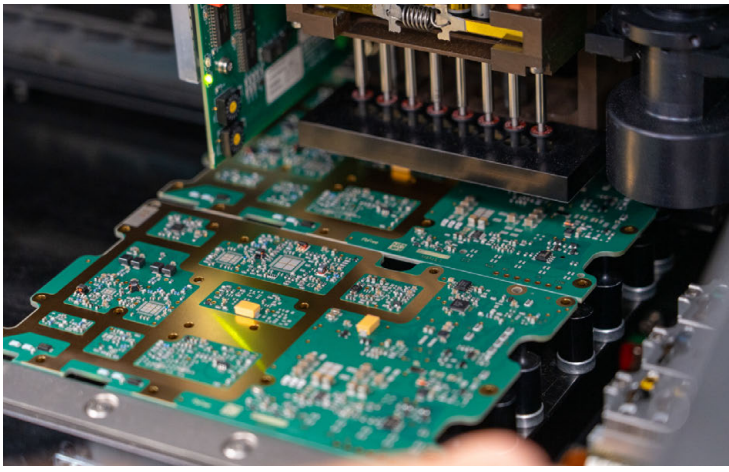
- Dynamic routing, Hybrid networks
- Unlimited number of repeaters
- MTBF > 100 years across all product lines

100 % CZECH DESIGN & MANUFACTURING

- Research & Development
- Assembly and testing
- Long-term lifecycle support

SECURE BY DESIGN

- SW developed in-house
- Radio AES encrypted with auto key rotation
- Full linux networking stack



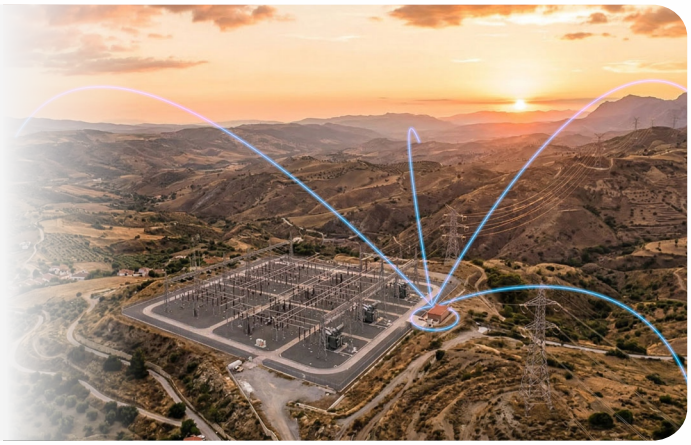
APPLICATIONS

Our products meet the strict standards required for communication equipment in the energy industry. Thanks to outstanding technical performance and the high level of technical support provided by RACOM, they are deployed across a wide range of applications throughout the entire energy infrastructure.

SCADA in Distribution Networks

- Monitoring and management of substations and power lines
- Real-time control and alarm signalling
- Hybrid networks – VHF/UHF radio combined with LTE
- Maximum security through encryption and private frequency

RipEX
Radio Router



Duplex Communication Links

- Non-line-of-sight radio links
- Full-duplex operation for high data volumes
- Interconnection of critical substations
- Installation in standard 19-inch rack cabinets

M!DGE
Cellular Router

Communication Networks for AMI / AMR

- High-capacity backbone networks for tens of thousands of meters
- Non-line-of-sight radio communication in VHF/UHF bands
- Tree topology with repeaters
- Support for redundant backup paths

RipEX
Radio Router

Renewable Energy Sources

- Remote management of solar and wind power plants
- Standalone communication networks or system integration
- Solar-powered installations
- Hybrid networks combining radio and microwave links

RAy
Microwave Link