



## We offer :

- Coupling Equipment for Medium Voltage up to 24 kV (inductive and capacitive)
  - MV High Speed Long Distance Power Line Modems (500kbit/s up to ~10 km)
  - LV and MV Distribution Line Carrier Modems (60 kbit/s)
  - DCU incorporating an MCU running on Linux platform to provide multiple communication interface options such as LAN, Wireless LAN, 3G/GPRS/GSM/PSTN
  - Broadband PLC Systems (for Internet and VOIP)
  - PLC Test and Analysis Systems
- Cipunet® offers a complete range of measurement tools for narrowband PLC and broadband PLC

## We support you:

- in consultancy and engineering services for the use of industrial PLC. We have international experience in more than 40 countries.
- in Site Surveys.  
We help you to choose the optimized communication Solution by analyzing your existing infrastructure.
- with a Test Installation.  
We offer you the opportunity to get acquainted with our technology.

# We keep Energy flowing

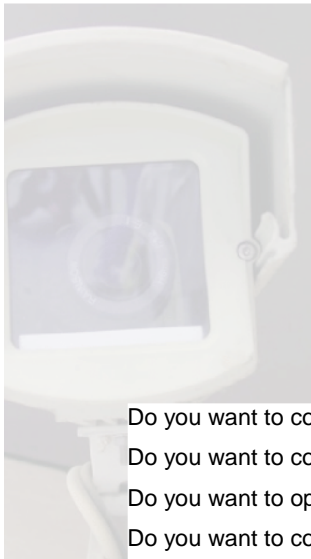


## Industrial SOLUTIONS

Data and Voice Communication for SmartGrid

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- Do you want to control your distribution network?
- Do you want to collect data from your meters?
- Do you want to operate your ring main units remotely?
- Do you want to collect data from gas distribution stations?
- Do you want to supervise by video your manufacturing plant, your entrance gates?
- Do you want to control your remote hydro power plant or distribution substation?
- Do you want to bring broadband internet to a lonely village?
  
- Do you.....
- Do you.....

Cipunet® can do it for you!



## Cipunet® offers Data and Voice Communication SOLUTIONS for Industrial Environment

### SOLUTION for Power Industry

The rising demand for the security of power supply in the cities means getting more out of the existing equipment. Cutting-edge automation approaches are required. The Cipunet® Industrial SOLUTION for Electrical Distribution Networks offers technology that makes it possible to use existing infrastructure and execute a variety of automation tasks without depending on external network operators. The power distribution company is able to react on time to eliminate network disturbances and satisfy customer's increased expectations or to optimize the power flow by reading power consumption of the customers automatically.

### SOLUTION for Gas Industry

Communication is a key to successful implementation of utility pipeline automation and monitoring systems. The structure of the pipeline distribution network, particularly in large metropolitan areas, implies communicating with perhaps several hundreds of remote sites ranging from a simple DC measurement point up to a RTU controlled substation.

### SOLUTION Internet for everybody

Economical reasons force the telecom industry to expand its broadband Internet only in town areas. The countryside has second priority. Today Cipunet® offers the opportunity to connect remote settlements through long-range broadband PLC via medium voltage distribution line with the centers of communication. The country folk is now joining the world of Internet.

### SOLUTION for Security and control

Security is demanded round the clock seven days a week. It is expected to get a fast response when machines or gates send in alarm signals. Cipunet® offers modern communication solutions based on the existing power infrastructure.



### Benefits

- No additional infrastructure is needed
- You are informed about the status of your systems
- You make out more of your infrastructure
- Data and Voice everywhere
- Real time data from your distributed systems
- Transmission in the CENELEC band
- High speed data over 15 Km
- Transparent Ethernet extension
- Full compatibility with standard IT infrastructure
- Transmission via Medium and Low Voltage Lines
- For Overhead Lines and Underground Cables
- Practically no maintenance
- Local technical support and integration partners!