M2M Solutions

2N TELECOMMUNICATIONS

| Smart Metering | Energy Generation | Industrial Automation | Inteligent Traffic Systems | Retail and Banking |

The right choice for customization in M2M

2N's machine-to-machine solutions are specifically designed, developed and manufactured according to the customers' needs. We focus on remote monitoring & control, metering and security. No matter if you are looking for large scale deployment or proof of concept, 2N can be your trusted partner. Let us tailor our innovative solutions to meet your specific requirements.
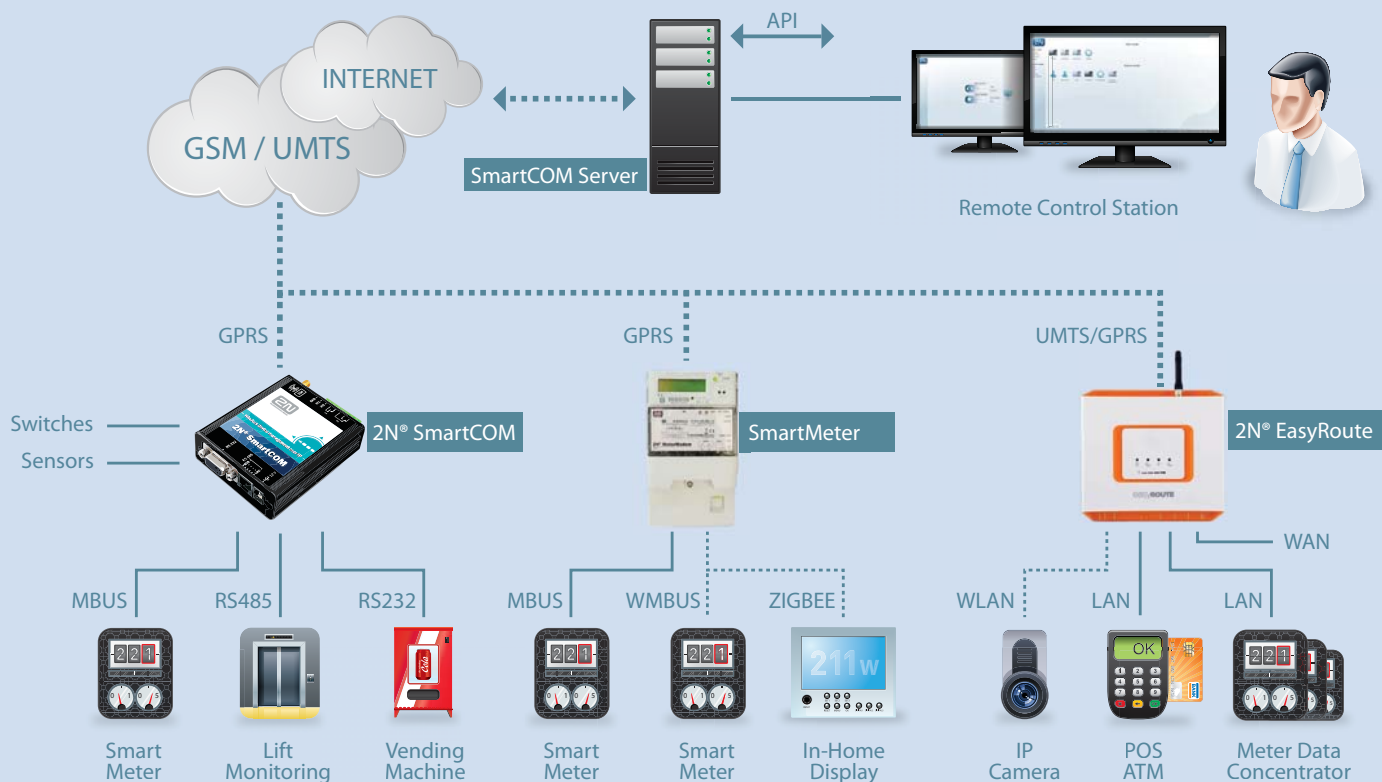
- **SMS**
- **GPRS**
- **UMTS**
- **HSPA**

We offer solutions in these areas:

- Smart Metering System
- Inteligent Traffic System
- Building Automation Systems
- Retail Automation Systems
- Energy Generation Systems
- Industrial Automation Systems
- Line Construction Monitoring

We have the right solution for:

- Utilities
- Industrial
- IT & Telecommunications
- Technology integrators

M2M Network

INTERNET

GSM / UMTS

API

SmartCOM Server

Remote Control Station

GPRS

GPRS

UMTS/GPRS

Switches

Sensors

2N® SmartCOM

SmartMeter

2N® EasyRoute

WAN

MBUS | RS485 | RS232

MBUS | WMBUS | ZIGBEE

WLAN | LAN | LAN

Smart Meter

Lift Monitoring

Vending Machine

Smart Meter

Smart Meter

In-Home Display

IP Camera

POS ATM

Meter Data Concentrator

Products

2N® SmartCOM

Key Features:
- Quad band GSM/GPRS
- RS232/RS485/M-Bus interfaces
- Built-in relays
- Inputs for sensors
- Protocol independent
- AES256 encrypted communication
- Data logging
- Management Server Software
- Customizable functionality

Applications:
- Smart metering systems
- Vending machines
- Lift monitoring
- Building automation remote control
- Small power generation units control
- Critical applications remote control
- Traffic control and monitoring systems

SmartMeter Add On Modules

Key Features:
- Quad band GSM/GPRS
- RS232/RS485/M-Bus interfaces
- Built-in relays
- Seamlessly integrated to the meter
- Protocol independent
- Secured communication
- Event scheduler
- Data logging
- Customizable functionality
- Integration with software platforms

Applications:
- Electricity meters
- Water / Gas / Heat meters
- Industrial metering systems

Reference:
- Landis+Gyr

2N® EasyRoute

Key Features:
- Quad band UMTS
- Quad band GSM
- Multiple LAN ports
- WAN port
- WiFi 802.11 a/b/g
- VPN IPsec / GRE
- Data logging
- SSH Tunneling
- Watchdog timer
- VRRP for communication back-up
- Built-in back-up battery
- Customizable functionality

Applications:
- ATM - banking systems
- POS - retail systems
- Security and Surveillance
- Communication back-up