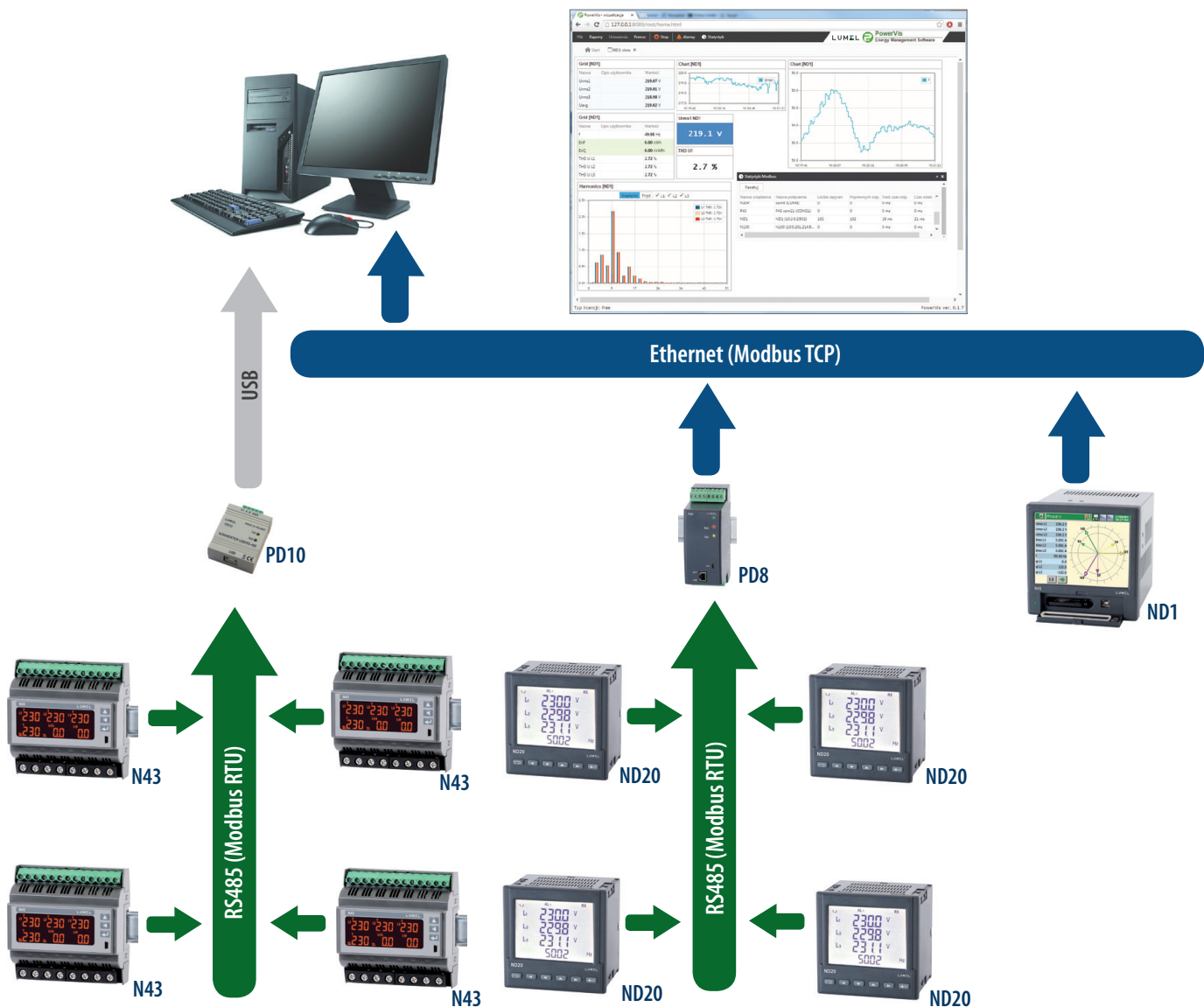# PowerVis software

LUMEL
EVERYTHING COUNTS

- **Dedicated to power network parameters visualization, monitoring, archiving and reporting.**
- Compatible with all Internet browsers.
- Remote access to PowerVis software via Internet browser from any computer.
- Simple and intuitive configuration.
- Clear user interface.
- Data reading from LUMEL's network meters and transducers.
- Data reading from other devices with Modbus and Modbus TCP protocol (also for devices of other producers).
- **Free license for using with 1 device.**

EXAMPLE APPLICATION

USB

Ethernet (Modbus TCP)

PD10

PD8

ND1

RS485 (Modbus RTU)

RS485 (Modbus RTU)

N43

N43

ND20

ND20

N43

N43

ND20

ND20

www.lumel.com.pl

PowerVis software

VISUALIZATION

- visualization of chosen parameters from monitored devices
- visualization with multiple tabs (views), with possibility of multiple widgets (graphic elements presenting measured values)
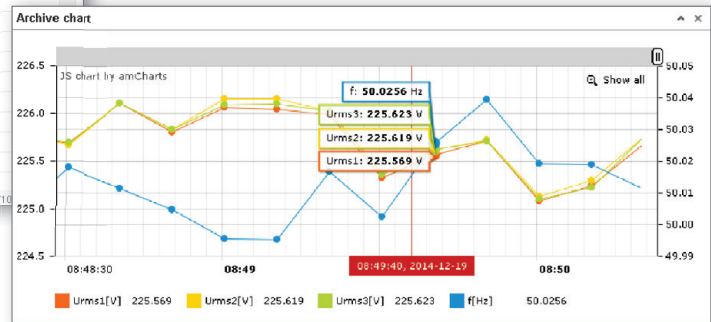- available widgets: Digital field, table, graph (time plots), harmonics

MONITORING

- Visual signaling of alarm events
- Easy alarm settings (mathematic operations)
- Presentation of alarm source including event description and time and date

ARCHIVING

- Archiving of chosen parameters in software's internal database
- Presentation of archived data as tables and time plots
- Data export to CSV file

REPORTING

- Minute, hourly, daily and weekly reports of chosen, archived data
- Possibility to choose minimum, maximum and average value

PowerVis software

TECHNICAL AND FUNCTIONAL POSSIBILITIES

- Transmission protocol: Modbus RTU, Modbus TCP
- Mode: 8N1, 8N2, 8E1, 8O1
- Transmission speed: 1200…256000 bit/s
- Time interval of parameters checking: 1…60s (depending on number of devices connected and number of read parameters)
- Time interval of parameters' archiving: 1s…1h
- Number of supported devices: up to 50 devices, can be selected with order code
- Measured parameters' templates for LUMEL's meters and transducers: N14, N27P, N30P, N43, N100, ND1, ND10, ND20, P41, P43
- Data reading from other devices with Modbus and Modbus TCP protocol (option – can be selected with order code)
- Parameters visualization with 50 tabs
- **Free license: up to 1 device and 5 tabs, without operating other Modbus devices**

OS REQUIREMENTS

- OS: MS Windows XP or later,
- Updated version of Internet browser
- Other requirements same as for OS

ORDERING

PowerVis software			
OP40 -	XXX	X	XX
Number of handled devices:			
up to 5 devices	005		
up to 10 devices	010		
up to 30 devices	030		
up to 50 devices	050		
Handling other Modbus RTU and Modbus TCP devices:			
wihout		0	
with		1	
Version:			
standard			00
custom-made*			XX

* after agreeing with the manufacturer