ENERGY SECTOR





MiQEN

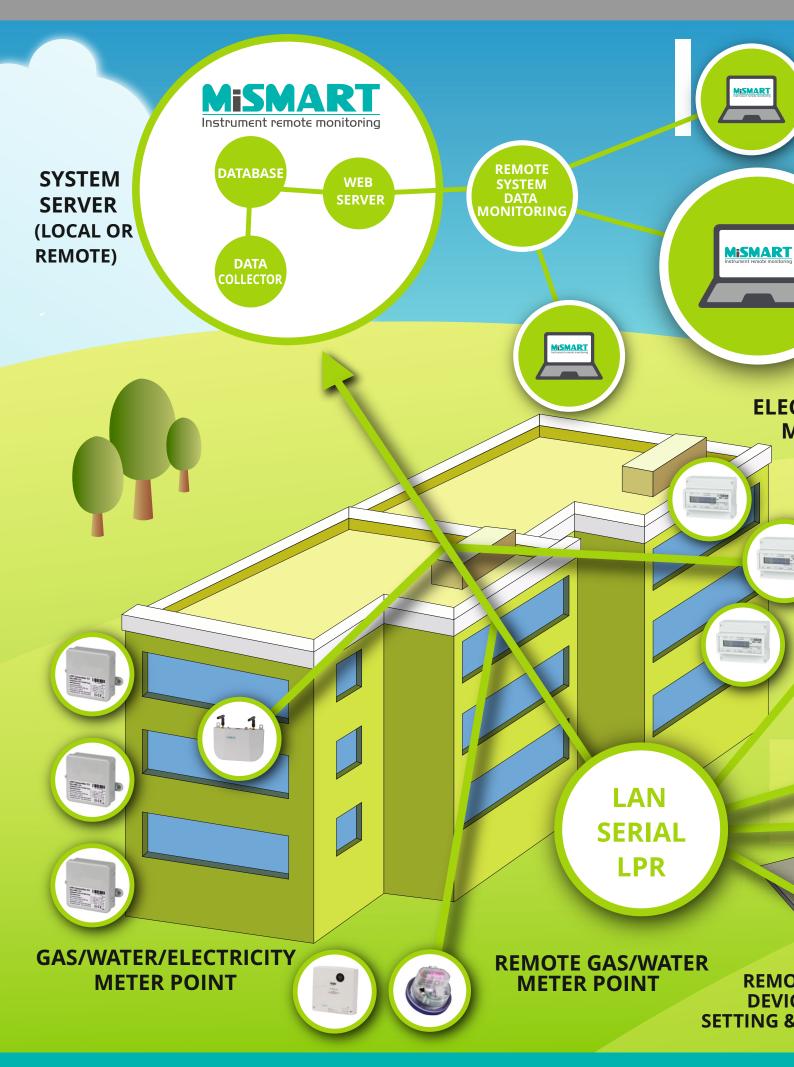
Instrument settings & analysis

SITE ENERGY MONITORING SOLUTION

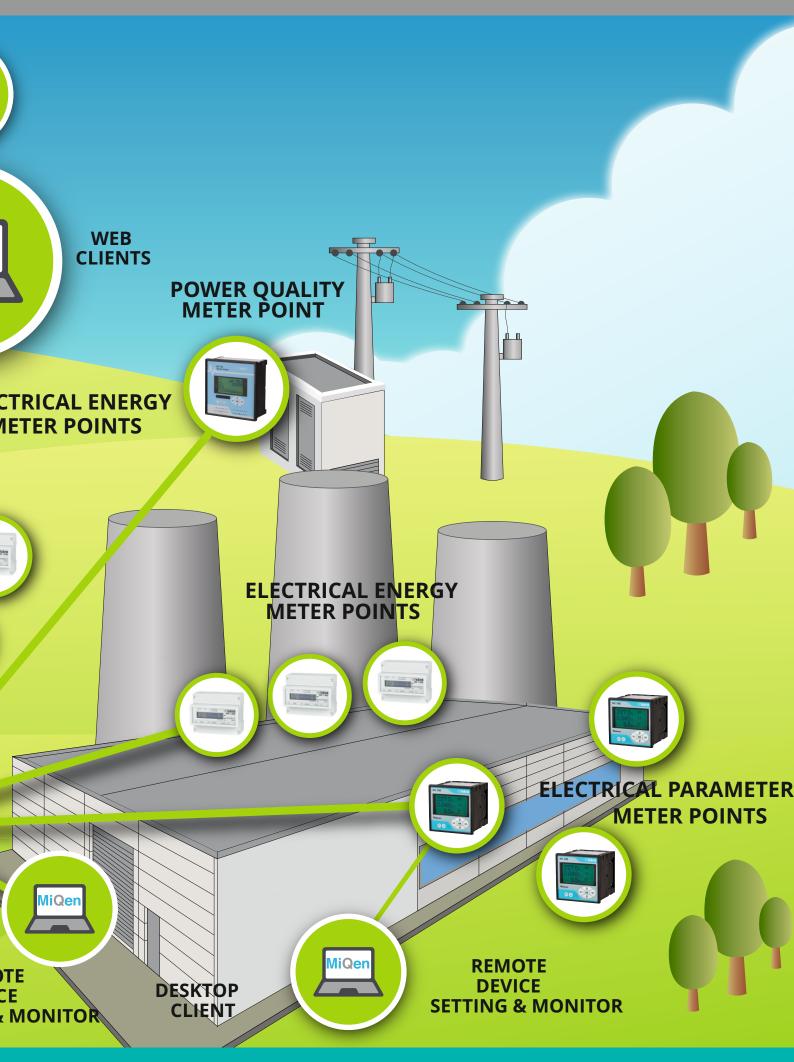
- **RELIABLE OPERATION** AS WELL AS EQUIPMENT MAINTENANCE
- GAS/WATER CONSUMPTION MONITORING
- CONTROL OVER POWER CONSUMPTION AND LOSSES
- ELECTRIC ENERGY MONITORING
- BETTER EQUIPMENT INVESTMENT PLANNING
- ELECTRICAL POWER QUALITY DATA MONITORING
- BETTER CONTROL OVER THE INSTALLED EQUIPMENT



SOLL



ITION



SOLUTION OVERVIEW & SYSTEM COMPONENTS

SOLUTION OVERVIEW & BASIC BENEFITS

THIS SOLUTION PROVIDES ALL NECESSARY MEANS FOR EQUIPPING YOUR FACTORY OR BUSINESS TO HAVE ALL RELEVANT ENERGY RELATED DATA ALWAYS CENTRALLY AVAILABLE FOR MONITORING AS WELL AS FOR BASIC DATA ANALYSIS. ENERGY RELATED DATA CAN NOW ALWAYS BE AVAILABLE AT THE TIP OF YOUR HANDS. THE SOLUTION CAN ASSURE SOME CRUCIAL ADVANTAGES IN YOUR COMPANY SUCH AS:

- CONSTANT ELECTRIC ENERGY MONITORING AT DIFFERENT SITES WITHIN THE COMPANY
- CONSTANT GAS/WATER CONSUMPTION MONITORING AT DIFFERENT SITES WITHIN THE COMPANY
- CONTROL OVER POWER CONSUMPTION AND LOSSES WITHIN THE COMPANY
- MORE RELIABLE OPERATION AS WELL AS EQUIPMENT MAINTENANCE
- BETTER EQUIPMENT INVESTMENT PLANNING BASED ON HISTORIC CONSUMPTION AND PQ DATA
- ELECTRICAL POWER QUALITY DATA MONITORING
- BETTER CONTROL OVER THE INSTALLED EQUIPMENT

SYSTEM COMPONENTS

MEASURING EQUIPMENT:

- COMPATIBLE WITH ALL ISKRA INSTRUMENTS
 (ENERGY METERS, MEASURING CENTERS, DATA LOGGERS FOR EQUIPPING EXISTING GAS/WATER/ELECTRICITY METERS
- SUPPORTS THIRD PARTY INSTRUMENTS/METERS WITH MODBUS OR PULSE INTERFACE
- **PERIODIC ENERGY CONSUMPTION MONITORING** OR MONITORING OF UP TO 128 ELECTRICAL MEASUREMENT WITH 1 TO 60 MINUTE RESOLUTION
- UP TO 32 PROGRAMMABLE ALARMS
- INPUT/OUTPUT DIGITAL OR ANALOG MODULE OPTION
- POWER QUALITY ANOMALIES AND REPORTS ACCORDING TO EN50160
- ALL INSTRUMENTS SUPPORT MODBUS (SERIAL OR TCP/IP) OR PULSE INPUTS (DATA LOGGERS)

COMMUNICATION EQUIPMENT:

- THE SOLUTION CAN TAKE ADVANTAGE OF ALL EXISTING COMMUNICATION INFRASTRUCTURE TO MINIMIZE COSTS (LAN, CELLULAR NETWORK, SERIAL NETWORK, ...)
- **REMOTE WATER/GAS/ELECTRICITY CONSUMPTION DATA** CAN BE PROVIDED FROM REMOTE LOCATIONS EQUIPPED WITH DATA LOGGER COMMUNICATORS COMMUNICATING OVER SMS/GPRS/LPR

SOFTWARE:

MIQEN 2.1 CONFIGURATION STUDIO SW

- SETTING UP INSTRUMENTS LOCALLY OR REMOTELY
- PARTICULAR DEVICE LOCAL OR REMOTE MONITORING OF HISTORIC VALUES FOR MEASUREMENTS, ALARMS AND PQ DATA
- PARTICULAR DEVICE LOCAL OR REMOTE BASIC DATA ANALYSIS

MISMART SYSTEM SW

- 3-TIER WEB BASED SYSTEM INFRASTRUCTURE FOR COMPLETE SYSTEM DATA & OPERATION MONITORING
- CENTRALIZED DATABASE WHERE ALL CONFIGURED INSTRUMENT DATA IS AVAILABLE
- CAN BE INSTALLED ON A COMPANY LOCAL SERVER OR IN THE CLOUD
- COMPLETE SYSTEM MONITORING STATISTICAL EVALUATION OF HISTORIC MEASUREMENTS, ALARMS AND PQ DATA WITHIN THE DATA MONITOR MODULE
- SYSTEM SETTINGS ARE DONE THROUGH THE CONFIGURATION TOOL MODULE
- MULTIPLE DATA EXPORT CAPABILITIES FOR FURTHER DATA PROCESSING IN OTHER SYSTEMS (PQDIF, EXCEL)



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