WE ARE ONE OF THE WORLDWIDE LEADING PROVIDERS OF INDEPENDENT SOLAR MONITORING SYSTEMS.
WE HAVE MORE THAN 40 YEARS EXPERIENCE IN DEVELOPING MONITORING SOFTWARE AND HARDWARE FOR SOLAR PV SYSTEMS.
OUR INDEPENDENT ENGINEERING DIVISION HAS SUPPORTED PROJECTS WITH A TOTAL INVESTMENT OF MORE THAN 13 BILLION EUROS.
METEOCONTROL AT A GLANCE

160 SPECIALIZED EMPLOYEES

12 WORLDWIDE LOCATIONS

45,000 MONITORED PV PLANTS

13 GWP MONITORED POWER

40 YEARS EXPERIENCE IN PV SYSTEMS
12 WORLDWIDE LOCATIONS

AUGSBURG  GERMANY
CHICAGO   USA
LYON      FRANCE
MADRID    SPAIN
MILAN     ITALY
MELBOURNE AUSTRALIA
AHMEDABAD INDIA
SAN SALVADOR  EL SALVADOR
SANTIAGO DE CHILE  CHILE
SHANGHAI  CHINA
TAIPEI    TAIWAN
TOKYO    JAPAN

www.meteocontrol.com

40 YEARS EXPERIENCE IN PV SYSTEMS
45,000 MONITORED PV-PLANTS

40 YEARS EXPERIENCE IN PV SYSTEMS
**COMPANY HISTORY**

**FIRST MONITORING PORTAL WORLDWIDE**
First provider of PV monitoring portal solution worldwide

1998

**WEATHER SERVICES**
Provision of weather services to utilities insurers

2002

**FIRST WEB-MONITORING**
Development of new generation of monitoring platform Using the internet

2000

**1st INNOVATION AWARD**
Innovation Award 2002 won for “Safer Sun” and "Web LOG" remote monitoring systems

2003

**WIND MONITORING**
Tech improvement of wind system monitoring and maintenance supported by BIS

2005 – 2009

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1 GWP
More than 1 GWp monitored

2008

2009
WEB LOG PRO
Launch of “WEB log PRO” with additional features

ISO CERTIFICATION
ISO certification for quality & environmental management (DIN 9001/14001)

2010
2nd INNOVATION AWARD
Innovation Award 2010 for "Web LOG COMFORT"

DIN 17020
Accreditation of mc technical rating procedure (DIN 17020)

2011
THE MIDDLE KINGDOM
Establishment of the Asia-Pacific HQ in Shanghai

LAUNCH VCOM
Launch new portal generation VCOM

2014

2015

SECTOR EXPANSION
Acquisition of wind platform DaWinci from iTerra

LAUNCH BLUE'LOG
Launch of new hardware generation “blue'Log”

2016

BIG DATA
No.1 in the world with 12 GWp monitored

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OUR SERVICES
OUR SERVICES

VCOM
Professional remote monitoring

blue'Log X-Series
Central component of PV monitoring and controlling

SCADA CENTER
The local SCADA solution for monitoring and managing your PV power station

YIELD REPORT
Precise yield calculation to plan and evaluate your projects

SOLAR POWER FORECAST
Accurate forecasts for systems worldwide

ON-SITE COMMISSIONING
Commissioning of monitoring, power plant controllers and SCADA
OUR SOLUTIONS
OUR SOLUTIONS

HOLISTIC, MARKET LEADING SOLUTION – ALL COMPONENTS PERFECTLY TUNED

LOCAL SCADA

HOLISTIC MONITORING & CONTROL SOLUTIONS

CLOUD PLATFORM / APP

Local SCADA & remote monitoring platform from ONE SINGLE SOURCE!

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blue'Log X-Series
POWERFUL
ADAPTIVE
CONNECTED
blue’Log X-Series

COMMUNICATES WITH ALL MAJOR INVERTERS!

- Modularity by add-on modules
- All-in-one driver
- Mixed operation of different inverter types
- Remote access without VPN and dynDNS
- Direct access through VCOM platform
- Power management functionalities

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ZERO FEED-IN
100% SELF-CONSUMPTION GUARANTEED
CLOSED LOOP CONTROL & FAIL-SAFE OPERATION

- Continuous feedback of actual parameters at the grid connection point enables fast and stable control
- High-accuracy utility measurement ensures precise control
- Dynamic active power setpoint calculation considering actual load and PV generation
- Auto-detection of communication failures
- Automatic switch from normal to fail-safe operation mode
- Configurable behavior in event of error - Hold last setpoint or default setpoint (e.g. 0 %)
VIRTUAL CONTROL ROOM
VCOM – VIRTUAL CONTROL ROOM

PROFESSIONAL REMOTE MONITORING PLATFORM

- Market leading software
- Portal solution for professional remote monitoring
- Detailed performance and failure analysis
- Ticket system
- Reporting system
- Third party compatibility
- Field Service App

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VCOM – VIRTUAL CONTROL ROOM

All your plants on your smartphone

Monitoring your most important key performance indicators

Key metrics such as energy and performance ratio

See the power of your plants in real time

See the power of your plants in real time.

www.meteocontrol.com
VCOM – VIRTUAL CONTROL ROOM

Permanently linked to VCOM service management section

Direct exchange of information with technical operator and VCOM ticket system

Available for iOS & Android

www.meteocontrol.com
PPC
CERTIFIED POWER PLANT CONTROLLER

- Comprehensive control of active and reactive power
- Voltage control of heterogeneous PV plants
- High-accuracy power quality analyzer records all grid parameters during operation
- RMS simulation model available: MATLAB/Simulink, PowerFactory or PSS/E

MATCHING INTERNATIONAL GRID CODES

CONFORMITY WITH
VDE-AR-N 4110 / 4120
PPC
CERTIFIED POWER PLANT CONTROLLER

MATCHING INTERNATIONAL GRID CODES

Comprehensive control of active and reactive power
Voltage control of heterogeneous PV plants
High-accuracy power quality analyzer records all grid parameters during operation
RMS simulation model available: MATLAB/Simulink, PowerFactory or PSS/E

SCADA Center
Power Plant Controller
Grid operator

www.meteocontrol.com
TECHNICAL CONSULTING
YIELD REPORT

Calculation of the expected long-term yield of your PV project

Based on highly precise weather data, taking into account local conditions such as dust soiling, shading etc.

Consideration of specific system configuration

Independent Yield Report to finance your project

www.meteocontrol.com
SOLAR POWER FORECASTING
THE ART OF FORECASTING

ACCURATE DATA
Combination of highly accurate weather data and yield data from remote monitoring of PV systems

MONITORING
Monitoring of over 13 GWp of worldwide provides a reliable basis for our calculation system

DATA AMOUNT
Huge amount of data from over 45,000 plants worldwide as USP to optimize our forecasting method

MACHINE LEARNING
Adaptive machine learning algorithm assessing which combination of methods fits best to your system

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