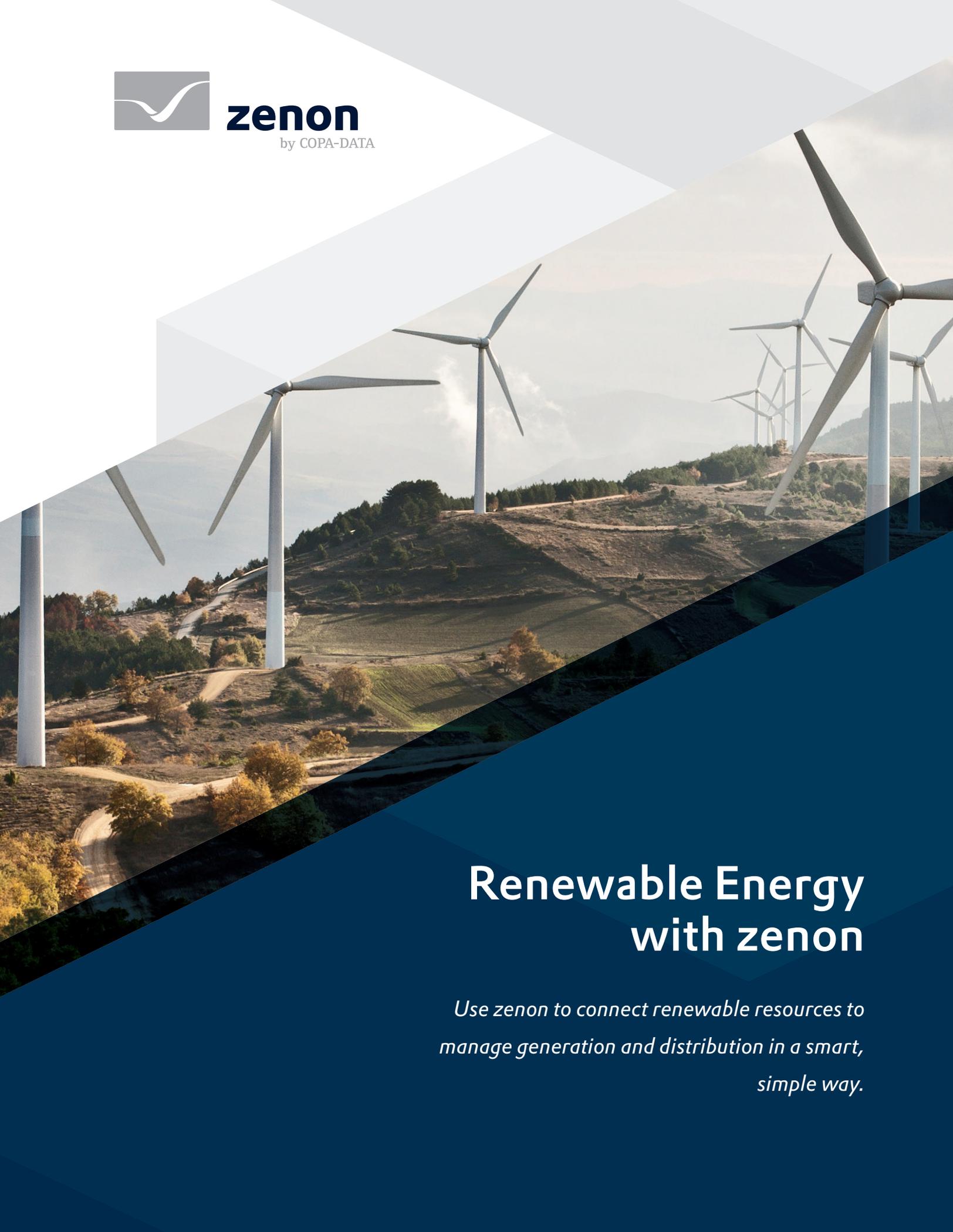




**zenon**  
by COPA-DATA



# Renewable Energy with zenon

*Use zenon to connect renewable resources to  
manage generation and distribution in a smart,  
simple way.*



## A Clear Solution for Clean Energy

*zenon monitors, controls, and optimizes equipment for renewable energy generation. You can control complete wind parks and combine several components of distributed equipment into a single system. This simplifies operation, reduces costs, and increases productivity.*

Equipment for the generation of renewable energy creates high demands for monitoring, control, and analysis. zenon provides various functionalities to increase operating efficiency, from the configuration of the application, through visualization and control, to reporting.

### **MANAGE RESOURCES FROM GENERATION TO DISTRIBUTION**

zenon offers an integrated environment and relevant features for the generation and distribution of electricity as well as

equipment management. Whether it is a wind park, solar-power equipment, or a small hydro-electric power plant, the control and operation can be developed all in one application. zenon provides solutions for the management of equipment, electricity generation from renewable energy, and the electrical distribution in a substation environment. With the numerous communication interfaces (including IEC 61850/IEC 61400-25, DNP3) and the reliable mechanisms for command processing, zenon covers your needs from generation to distribution.



## VERSATILE AND SCALABLE

zenon offers a fully functional SCADA solution. The visualization provides a customizable display of the complete network, from a full overview to the detailed analysis of individual components. Specialized functions within alarm management ensures maximum security.

You can link several items of equipment into one complete system. zenon enables communications across multiple sites via remote protocols such as IEC 60870, and has native support for cloud infrastructures, such as Microsoft Azure. You can then create a consistent, scalable, and cost-efficient system, even for widely distributed networks over large geographical areas.

## REPORTS FOR ALL APPLICATIONS

zenon's reporting tool includes a comprehensive set of report templates for various applications, such as the operation of wind parks or hydro-electric power stations. This allows you

to quickly create reports for a clear display of data, like energy gains and losses across the network.

## ZENON OFFERS MORE

zenon offers additional functionalities, such as customizable visualizations, secure archiving, as well as simpler and quicker access to alarms, events, trends, and reports independent of time and/or location.



## OUR SOLUTIONS FOR THE ENERGY INDUSTRY:



HYDRO POWER



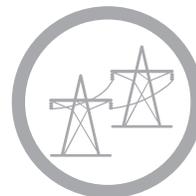
PUBLIC  
TRANSPORT



RENEWABLES



ENERGY STORAGE



DISTRIBUTION  
MANAGEMENT  
SYSTEM



SUBSTATION  
AUTOMATION

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