



Advanced ICT systems for distributed renewable integration into the future energy grids

About ISOTROL



Isotrol is an Spanish engineering and consultancy company specialized in control and management systems with 30 years of experience

FROM LOCATIONS IN SEVILLE, BARCELONA, LONDON, SÃO PAULO AND BOSTON, ISOTROL OVERSEES SYSTEMS ALL OVER THE GLOBE, WITH A CLEAR PURPOSE: TO BE PRESENT WHEREVER OUR CLIENTS NEED US.



Main figures

250 employees

30 years in market

8.600 MW managed by own SCADA in 400 locations, 18 countries

13 control centres for renewable energy

0,6 M Smartmeters managed at 230 small DSOs in Spain



ISOTROL OFFERS ITS CLIENTS THE MOST
INNOVATIVE SOLUTIONS IN ENERGY
MONITORING AND MANAGEMENT

Main Fields of activity

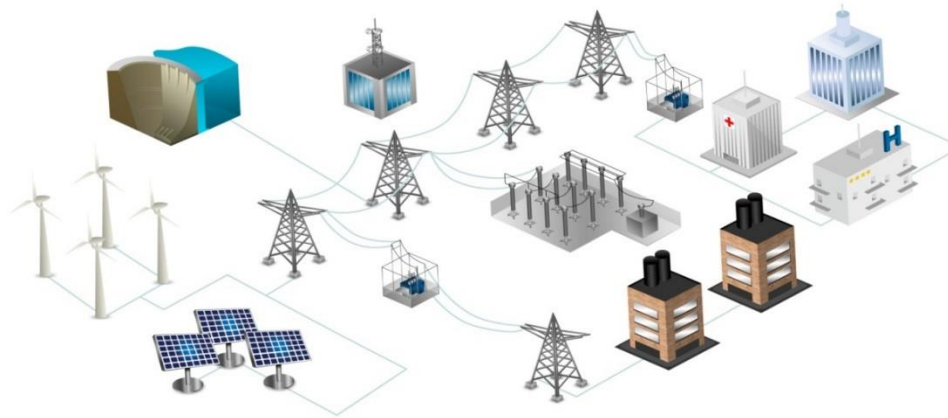
ISOTROL provides specialized solutions in every stage of energy supply

GENERATION

- Local and remote control systems
- Control Centres connected to the Transport System Operator
- Energy plants Operation and Maintenance
- Measuring, reporting and data analysis

TRANSPORT AND DISTRIBUTION

- Grid and communications monitoring
- Operation and Maintenance of electrical distributions grids
- Communications systems



ENERGY TRADING

- Energy trading simulation tools
- Trading strategies optimization

CONSUMPTION

- Control and Management Systems
- Energy monitoring in buildings and industries
- Energy Saving and efficiency advising

ICT solutions for distribute renewable integration Isotrol

To be ready for a large share of distributed renewables penetration into the grid, it is needed advanced ICT solutions to cover the stakeholders' needs.



For generation at Renewable Plants

- Technical integration and regulation
- Predictability
- Market integration



At grid Level TSO and DSO

- Regulation and Technical integration
- Generation Control Centre
- Reinforced grid stability



Consumer side level

- Microgrids with Low and medium power renewable generation
- Demand/Response systems

Thank you!!



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