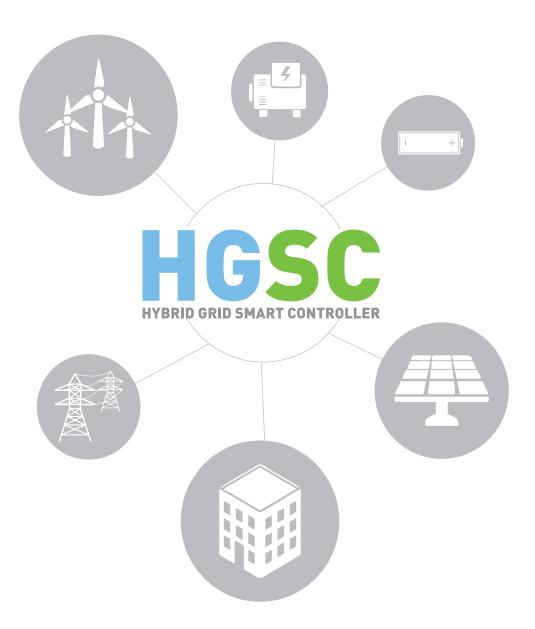


# GOING HYBRID IS CONVENIENT IF YOU KNOW HOW TO DO IT!



RENERGETICA'S SMART, EASY AND COST-EFFECTIVE SOLUTION FOR RENEWABLES AND STORAGE INTEGRATION IN MICROGRIDS

www.renergetica.com

RENEWABLE ENERGY, AS PV AND WIND, IS INCREASINGLY RECOGNIZED AS THE MOST COST-EFFECTIVE OPTION FOR ENERGY SUPPLY IN OFF-GRID POWER SYSTEMS. HOWEVER, TODAY'S TYPICAL RENEWABLES PENETRATION IN MULTI-MW HYBRID GRIDS IS OFTEN LIMITED TO PREVENT GRID STABILITY ISSUES DUE TO UNPREDICTABLE, NOT-CONTROLLABLE VARIATIONS IN RENEWABLES POWER OUTPUT.

RENERGETICA PROPOSES HYBRID GRID SMART CONTROLLER (HGSC), AN INNOVATIVE CONTROL SOLUTION SPECIFICALLY DESIGNED TO MAXIMIZE THE RENEWABLE PENETRATION.

# **UTILITY SCALE**

SPECIFICALLY DESIGNED FOR RENEWABLES AND STORAGE INTEGRATION INTO EXISTING AND UPCOMING MICROGRIDS WITH LOAD DEMAND THAT CAN REACH SEVERAL MWS.

#### **PLUG-IN**

CONCEIVED AS A TOTALLY ADD-ON, NON-INVASIVE SOLUTION, SIMPLE TO INTEGRATE IN AN EXISTING PLANT REGARDLESS ITS ARCHITECTURE AND SIZE. HGSC REALLY PROVIDES THE PLUG-IN SOLUTION TO ADD LOW-COST ENERGY WITHOUT COMPROMISES ON POWER QUALITY AND RELIABILITY.

## ADVANCED ENERGY MANAGEMENT

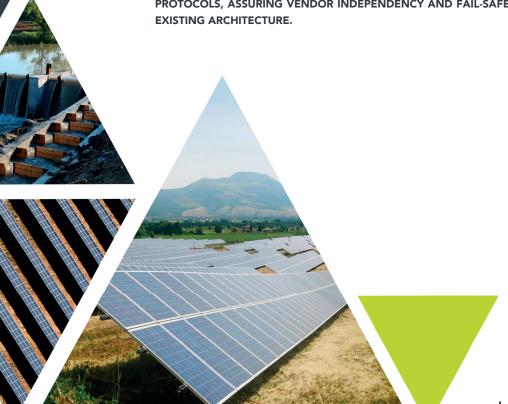
HGSC TECHNOLOGY INCLUDES A SET OF PIONEERING CONTROL FEATURES AND ADVANCED KNOW-HOW TO ENABLE THE HIGHEST BENEFITS FROM RENEWABLES TODAY, FROM ENERGY COSTS REDUCTION TO ADVANCED RENEWABLES DISPATCHING AND INNOVATIVE GRID SERVICES.

#### **CUSTOMIZABLE**

ENABLES THE BEST FITTING RELIABLE SOLUTION, OPTIMIZING THE SIZE OF RENEWABLES AND STORAGE TOWARDS THE GOALS, TECHNICAL CONSTRAINTS AND FINANCIAL ASPECTS OF ANY SPECIFIC APPLICATION.

### STANDARD COMPONENTS

DESIGNED WITH STANDARD INDUSTRIAL HARDWARE, SOFTWARE AND COMMUNICATION PROTOCOLS, ASSURING VENDOR INDEPENDENCY AND FAIL-SAFE INTEGRATION IN ANY EXISTING ARCHITECTURE.



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