



RENERGETICA

BETTER ENERGY - BETTER WORLD

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](http://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.



### **Renergetica S.p.A.**

Via Scarsellini 119  
12° piano - Torre "I Gemelli"  
16149 Genova - ITALY

### **Renergetica Chile S.p.A.**

Guardia Vieja 202, Of. 1001  
Comuna Providencia  
Santiago - CHILE

### **Renergetica USA Corporation**

2950 Lake Emma Road | Suite 1030  
Lake Mary, FL 32746 - USA

[www.renergetica.us](http://www.renergetica.us)

### **Renergetica LATAM Corporation**

Carrera 17, No. 89-31  
Oficina 603  
Bogotá - COLOMBIA

[hgsc@renergetica.com](mailto:hgsc@renergetica.com)