



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

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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