

**INGEGRID™**

Power Electronics Solutions Applied to the Grid



***Ingeteam***



Applications vs. INGEGRID™ Solutions	STORAGE	STATCOM	PFLOW
Ancillary Services I : Immediate Response	✓		
Ancillary Services II : Fast Response	✓		
Ancillary Services III : Standby Reserve	✓		
Emergency Back-up	✓		
Energy Ramping and Smoothing	✓	✓	
Flicker Compensation	✓	✓	
Frequency regulation	✓		
Grid Code Compliance	✓	✓	
Grid connection of renewables	✓	✓	
Infrastructure Investment Deferral : Replacement of electric equipments	✓	✓	✓
Infrastructure Investment Deferral : Supply Capacity	✓	✓	✓
Infrastructure Investment Deferral : Transmission & Distribution Lines	✓	✓	✓
Intermittent Railroad Loads	✓	✓	
Load Following	✓		
Load Shifting	✓		
Outage management	✓		
Peak shaving	✓	✓	
Power quality	✓	✓	✓
Renewable Energy Capacity Firming	✓		
Substation on-site power	✓		
Time Of Use (TOU) management	✓		
Time-shifting	✓		
Transmission support : Subsynchronous Resonance damping	Optional	Optional	
Transmission support : Transmission stability damping	✓	✓	✓
Transmission support : Underfrequency Load Shedding reduction	✓		
Transmission support : Voltage Control and Stability	✓	✓	✓
Transmission support : Congestion Relief	✓	✓	✓
Voltage support	✓	✓	✓

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