INDRIVETEC AG

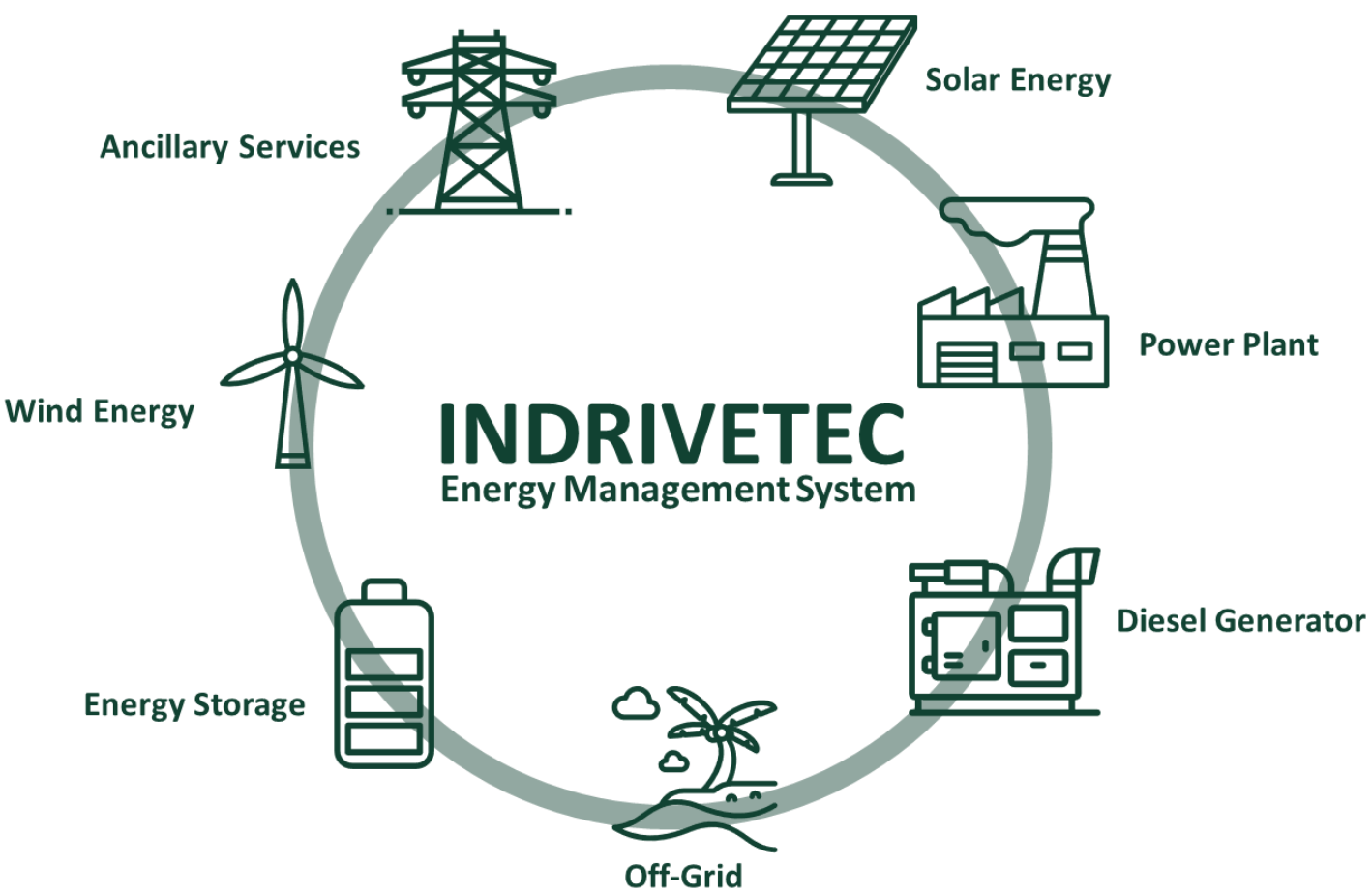
"bricks up" flexible energy storage systems

“BRICK” IDT-Energy Management System

IDT-Energy Management System EMS has been designed to monitor, control, and optimize the performance of the generation of renewable or transmission systems.

The EMS ensures the connection between the renewable energy sources, the gensets and loads and ensures maximum security and also minimizes CO2 emissions, fuel and maintenance costs.

The EMS Monitor enables the user to monitor their installations and to analyse the current load and grid conditions.



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“BRICK” IDT-Energy Management System

Applications and use cases

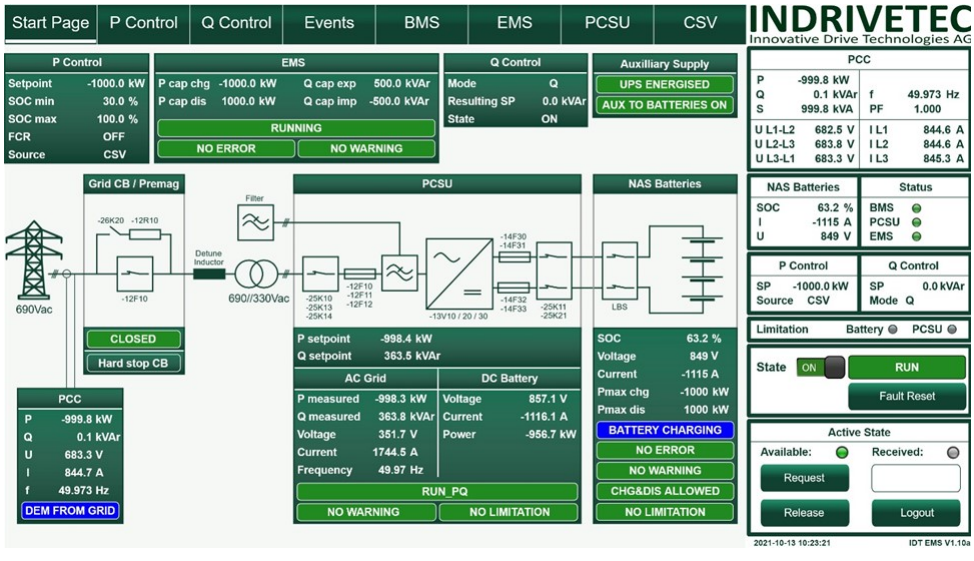
IDT- Energy Management System can be applied to multiple on-grid and off-grid application and uses cases to balance energy from various sources.

On-grid solutions	Off-grid solution
Voltage stabilization	Islanding
Frequency regulation	Black start capability
Peak load management	Fuel Save
Load shifting	Power quality
Energy trading	Power reliability
Ramp-Rate Control	Renewable penetration

IDT- Energy Management System can be operated as master of power plants or subsystem. The EMS enables certain grid code requirements, optimized dispatch, alarm management, logging and visualization.

The EMS enables the certification in accordance with the latest publication of VDE-AR-N-4110/4120 (May 2019) with a full range of functions for active and reactive power control with high precision grid measurement and protection modules as well as standard communication and energy protocols in accordance with IEC, OPC UA.

The HMI provides web technology, accessible with any device with a web browser, up to 16 clients simultaneously, Individual user rights in multilingual.



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