

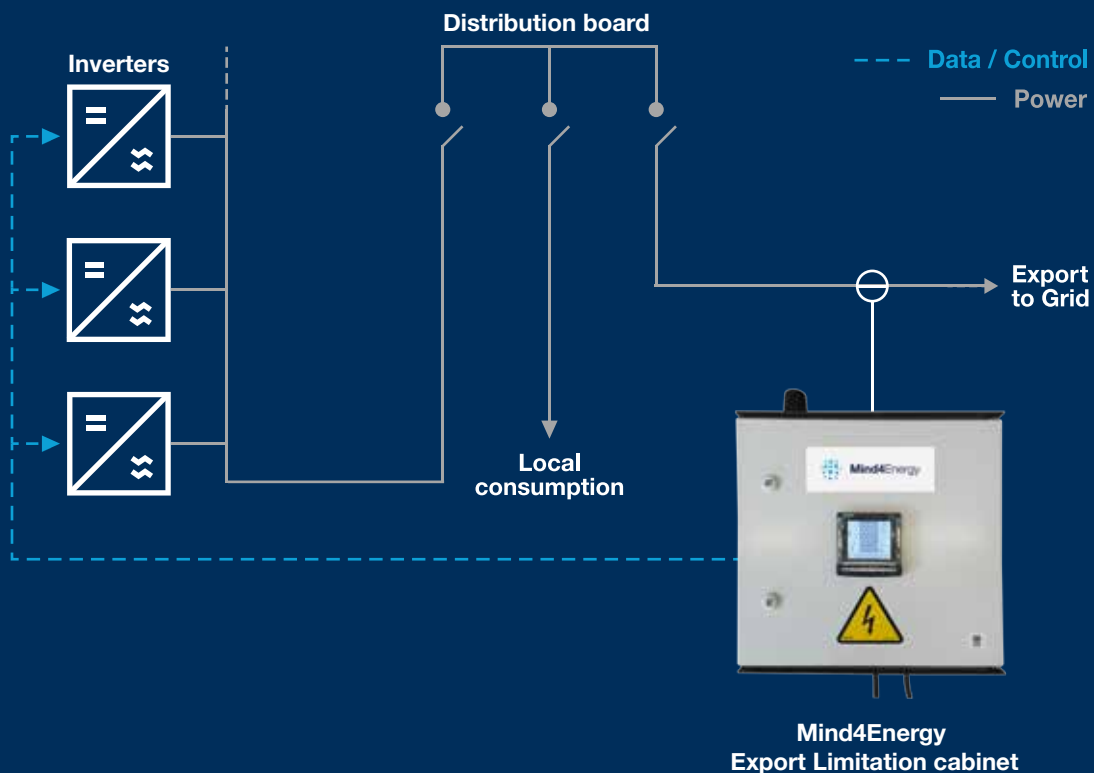
Mind4Energy Export Limitation

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Mind4Energy specializes in PV-plant monitoring and control. We have developed a solution to control the power at the grid connection point by controlling the inverters.

Our Export Limitation cabinet allows to keep the power exported to the grid below a maximum value. The Mind4Energy cabinet contains a power analyzer which measures the energy exported to the grid and instantly feeds this data to the Mind4Energy controller. The controller relies on a PID-control algorithm to send control signals to the inverters. Our algorithms allow for quick dynamic response to changes in the generated power or in the local consumption.

Our Export Limitation cabinet includes a VPN compatible router with 4G capabilities. Inverter data and control data will be sent to a monitoring portal.



Additional features

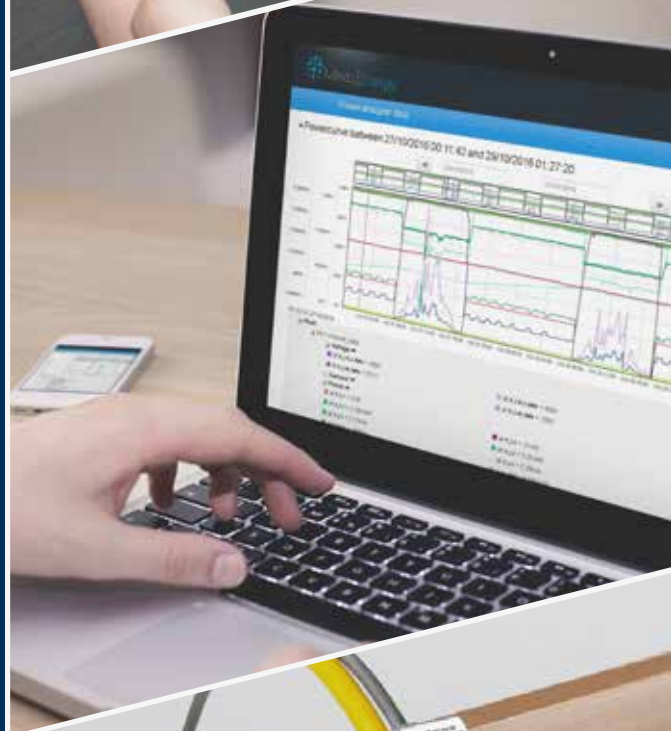
01 Monitoring Portal

- Visualization of inverters, string data, energy meters, AC power analyzers, transformers status, power control commands, meteo stations
- Configurable PR and Availability algorithms
- Intuitive interface with dashboard and detailed graphs
- Performance benchmarking
- Customizable alerts and notifications and reports



02 Additional Benefit

A power analyzer allows a detailed analysis of the AC-side of the system and is particularly useful in case of an unstable public grid or if there are local effects on the grid (for instance high harmonics or sudden voltage drops ...).



03 Current Transformers

Current measurement transformers will be required. In case of retrofit, Phoenix Contact Rogowski coils can offer a solution.

