



Higec^o More

THE SMART CHOICE



EXPERTISE, INNOVATION AND FLEXIBILITY

About us

More efficient management, more productive plants, better economic profit.

15+

Years of experience

4+ GW

Control and monitoring systems installed

25+

Countries

4000+

Installed monitoring systems

500+

Installed control systems

500+

Plant devices acquired

Higeco More designs and develops innovative and effective turnkey solutions for the **monitoring and control of commercial and utility grade renewable assets**.

Our experience guarantees customers a complete service that includes design, supply and commissioning of monitoring and control systems for renewable energy power plants.

We design our systems ensuring optimization according to specific requests. Monitoring and control devices are supplied from our **in-house production** facility and they can integrate third-party devices to offer complete SCADA solutions. We install and commission our systems, always guaranteeing the customer a practical and problem-solving approach and dedicated after-sales support.

Choosing Higeco More means relying on a multi-disciplinary team of professionals with consolidated international experience in the field of monitoring and control systems.

TECHNOLOGY Solutions



LOGY

MONITOR YOUR RENEWABLE SOURCES

Turnkey solutions



HARDWARE

Our hardware, the result of a solid experience in the industrial control and monitoring sectors, is completely made in house and "MADE IN ITALY". Each device is the consequence of the constant commitment to achieve the highest standards of quality, robustness and reliability.



SOFTWARE

Our complete and customizable software solutions make the management of renewable assets simpler and more organized: digitization and automatiaqon of O&M processes, real-time monitoring of the main quantities, remote control of energy flows...



SERVICES

Higeco More always ensures efficient and quick installations, reducing time and costs. Technical support is guaranteed to customers in real-time. Higeco More's support team provides a proper solution to the most various technical problems.



ENGINEERING

Higeco More's engineering team has over ten years of experience in technical consultancy and design of control and monitoring systems for renewable energy production plants and ensures that our solutions are compatible with the highest standards internationally.

MONITOR YOUR RENEWABLE SOURCES

Monitoring systems

Higeco More designs and builds monitoring and control systems, intelligent energy management systems, and CLOUD platforms for managing renewable assets. In compliance with the project specifications, we guarantee our customers maximum customization. We offer constant technological updating to keep pace with market innovations.

Higeco More monitoring data loggers are compatible with third-party devices to offer complete and flexible SCADA solutions.

Combined with the monitoring station, they guarantee the customer constant supervision of the system.

-  Compatibility with third-party systems
-  Real-time monitoring of all the devices in the plant
-  Internal memory for preserving data
-  Real-time data synchronization with the cloud
-  Flexible alarm management
-  100% Made in Italy





Monitoring Panels

The Higecco More monitoring panels can be configured according to the communication architecture to be implemented and the devices to be acquired. Each monitoring panel guarantees order and efficiency in the collection of all the signals coming from the field. Equipped with backup battery, switch for network connectivity or modem/router with SIM card, and modules for acquiring analogue and digital signals, it is the perfect solution for medium-large systems.

SCADA Server

We create complete and flexible server infrastructures to best host our SCADA software. The metal rack cabinets, equipped with UPS continuity systems, can be sized and configured according to the level of protection and the conditions of use.

Dataloggers

Our hardware is designed and produced in house in Italy and is the direct result of our dedicated software engineers experience in the industrial monitoring sector. Perfect for satisfying every requirement relating to remote data collection and management.

Weather Stations

Higecco More weather stations can integrate dedicated sensors such as pyranometers and precipitation, temperature, humidity, pressure, and wind sensors.

String Combiner

Higecco More's String Combiner is a PV panel string combiner that, installed between the panels and the inverter, provides DC power aggregation and a complete monitoring solution.

ONE SYSTEM TO RULE THEM ALL

Control Systems EMS, PPC and CCI

Senergy was born from the direct and long experience that Higecco More has acquired thanks to the supply of **PPC (Power Plant Controller)** systems for the regulation of frequency (active power) and voltage (reactive power) of large photovoltaic power plants in Italy and especially abroad.

In response to the challenges posed by the different Grid Codes and the different inverter manufacturers, Higecco More offers Senergy. Senergy is a powerful and flexible Power Plant Controller which allows the monitoring and remote control of power plants, making them **compliant with several international Grid Codes:**

- European regulation 2016/631,
- Italian CEI 0-16 2022-03 and Terna Grid Code annex A68,
- Romanian Ordin 208-18,
- UK Ena G99 recommendation,
- South African Grid Code 2.9,
- Uzbekistan Regulation for RES,
- Panama Anexo B Código de Red,
- Uganda UETCL Grid Code
- and many more





Precise regulation of frequency (active power) and voltage (reactive power) of large photovoltaic power plants



Monitoring of the Delivery Point and of the individual generators



Regulation of the power plant, both in autonomous mode (frequency response, response to voltage variations ...) or via external commands (control of P, Q, PF, V droop, ramp...)



Turnkey solution from design to field tests



Integrated solution for mixed systems, independent of manufacturers



Cyber security is guaranteed thanks to the IsaSecure SDLA IEC 62443-4-1 and CSA IEC 62443-4-2 certifications



Communication protocols supported: IEC61850, IEC60870-101/104, DNP3, Modbus TCP, OPC UA

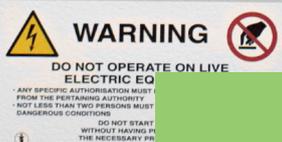


Web-based interface that can be accessed securely locally and remotely

Higeco More



Monitoring Renewables



CERTIFIED PRODUCT CEI 0-16

CCI (Power Plant Controller for Standard CEI 0-16)



After the recent introduction in Italy of the obligation to install the CCI - Central Plant Controller, for systems connected in MV with a power greater than 1 MW, Higeco More has designed a new product that **meets all the CEI 0-16 2022-03 requirements**.

The Higeco More CCI solution was designed to satisfy, in a single product, all the functions required by legislation and by network operators, both monitoring and control. The CCI Higeco More was the first to obtain the **overall certificate of conformity to CEI 0-16**.

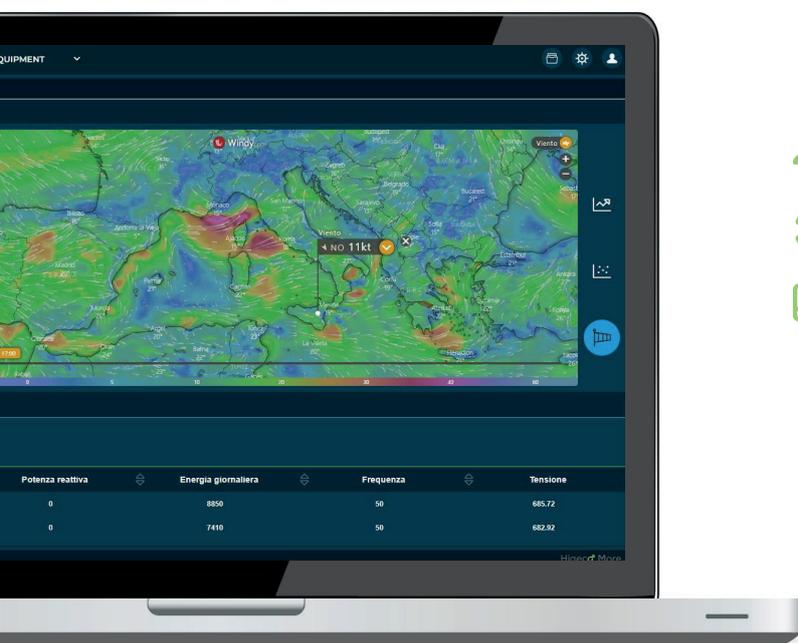
CREATE VALUE FROM YOUR DATA

Vision, asset management platform

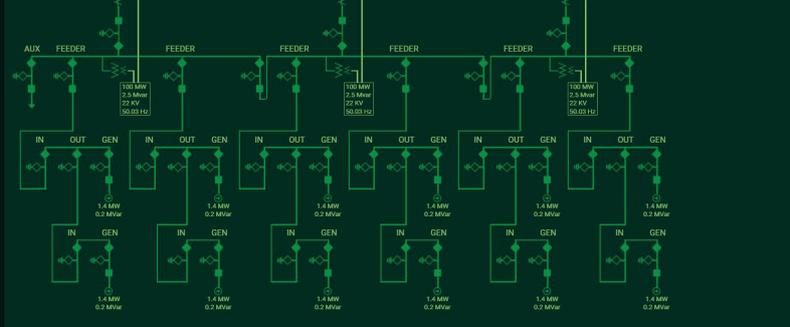
Vision is a web-based platform for the **management of renewable mixed portfolio assets**. Vision guarantees an increase in quality and efficiency in all asset management activity. Starting with the analysis of productivity and economic return in real time, to the management of field maintenance, warehouse and advanced reporting, to the custom development of new features.

Vision has a **modular structure based on plug-ins** which can be added to increase its functionality. This modular structure allows for easy management and gives the user (O&M's, EPC's, asset managers and shareholders) the ability to customize the platform according to their needs.

Vision **ensures flexibility and compatibility with third-party systems**, allowing the integration of any installed monitoring system.



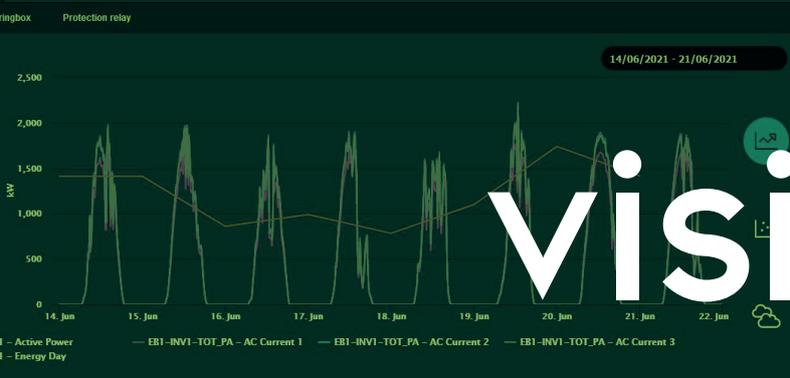
-  Real-time centralized control
-  Modular customizable structure
-  User role & permission management
-  Unlimited customizable KPIs
-  User friendly graphic interface
-  Desktop and Mobile web-based platform



Plants List

plantName	De Rated Power	Power	PGA Reference Cell	PR day	Availability(%)
PROJECT	2880	313.73	08.4 Water	PR day	22.88 %
PROJECT	19999.80	0.00	0 Water	PR day	100 %
PROJECT	13950	326.79	08.88 Water	PR day	82.82 %
PROJECT	11378.8	0.00	0 Water	PR day	100 %
PROJECT	11000.36	0.00	0 Water	PR day	82.81 %
PROJECT	9717.3	0.00	0 Water	PR day	82.87 %
PROJECT	9714.92	0.00	0 Water	PR day	82.81 %
PROJECT	9666	0.00	0 Water	PR day	100 %
PROJECT	9629.1	-1.57	08.88 Water	PR day	46.85 %
PROJECT	9110.64	0.00	0 Water	PR day	82.85 %
PROJECT	6489.68	0.04	08.76 Water	PR day	89.83 %

Total Power: -6,441.70 MW
 22/06/2021 21:30:00
 91 Installations
 209.3 MW AC Rated Power
 72 Alarms
 660 Warnings
 1560 No links



vision



Ticketing
Management of maintenance teams with mobile APP for IOS and Android



Calendar
Calendar management of events, ordinary maintenance, contractual deadlines...



My Docs
Organized filing of plant and SPV master documents



Inventory
Advanced device and material management with customized reports



Dogane (Italiano market)
Telematic transmission AD-1 declaration with digital signature



Energy Check-up (Italiano market)
Automatic check of the energy values detected by GSE and e-distribuzione



Unavailability
Custom calculation and creation of reports on system unavailability

The only asset management platform that adapts to you and your needs



Track record



LITY



PHOTOVOLTAIC, WIND, HYDROELECTRIC...

Reference projects



Ratesti - 154 MW

PHOTOVOLTAIC

Romania

SCADA, PPC and weather stations



Roggeveld - 140 MW

WIND

South Africa

SCADA



Penonome - 150 MW

PHOTOVOLTAIC

Panama

SCADA, PPC and weather stations



Tutly - 130 MW

PHOTOVOLTAIC

Uzbekistan

SCADA, PPC and weather stations



Kaposvar - 100 MW

PHOTOVOLTAIC

Hungary

SCADA, PPC and weather stations



Anguillara - 40 MW

PHOTOVOLTAIC

Italy

SCADA, PPC and weather stations integration



Kruisvallei - 4 MW

HYDROELECTRIC

South Africa

SCADA



AESO-ABESO - 126 MW

Benban complex

PHOTOVOLTAIC

Egypt

SCADA, PPC integration and weather stations



Cheremule

BESS (Battery Energy Storage Systems)

Italy

SCADA, PPC - Fast Reserve



Green Arrow - 209 MW

PHOTOVOLTAIC

Italy

VISION monitoring platform



Espe - 90 MW

PHOTOVOLTAIC

Italy and Romania

VISION monitoring platform



GSF - 135 MW

PHOTOVOLTAIC

Italy

SCADA and VISION monitoring platform



BKW Hydro Italia - 19 MW

HYDROELECTRIC

Italy

CCI on 9 power plants



Dolomiti Energia - 35 MW

HYDROELECTRIC

Italy

CCI on 11 power plants



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After an intense market research, we discovered Higeo More solution: a range of hardware and software solutions able to satisfy the most diverse necessities of data acquisition and management and we started to test them successfully in our plants.

Valerio Senatore - **Sunnerg Group**

WHY HIGECO MORE

The strengths of our solution



FLEXIBILITY

Modularity of the solution that allows Higeeco More to satisfy the needs of every type of system and customer.



TRAINING

Provision of training courses for customers in order to get the most out of the investment made.



EXPERIENCE

In-depth expertise acquired over years of international applications of control and monitoring systems for renewable source plants.



COMPLETE SOLUTION

Provision by our professionals of hardware and software components, installation, technical support, asset management and O&M



ASSIGNED TEAM

Key Account that will become your company's strategic partner by managing the "mile stones" and the objectives of the project.



COMPANY CERTIFICATIONS

ISO 9001:2015 and 14001:2015 certifications.

Contacts



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