



**Green Tech
Innovators Club**

**Hier entstehen grüne
Innovationen**

**The new frontier of Energy Efficiency is
called E-Power, join us to make it great.**

**Stefano De Giorgis
CEO Energia Europa S.p.A.**

energia | power quality
maximum saving

Company and Mission

My name is Stefano De Giorgis, CEO of Energia Europa S.p.A., a green tech company with headquarter, R&D and production unit in the North East of Italy and distribution in Europe and in a number of relevant international markets.

Our mission is the development and production of advanced technology to allow companies and public administration to reach significant levels of energy efficiency and saving.

In addition, we contribute in a significant way to the environmental sustainability, given the results obtained by our solutions in terms of **CO2 reduction**.



Our main solution: E-Power

Our main energy efficiency solution is represented by a technology called **E-Power**: a passive inductive dynamic filter with hybrid functions connected in series between the transformer and the loads.

E-Power has been installed already in about 800 sites in Europe, belonging to some of the most prestigious companies in the world such as Ikea, Metro, Carrefour, IBM and FCA.

This technology allows the achievement of significant energy efficiency in the electrical network (usually between 3% and 6%) through the installation of a single device downstream the MLV transformer.



E-Power closed



E-Power open

E-Power: Main Benefits

ENERGY EFFICIENCY: decreases losses and disturbances of the electrical network, bringing a real energy efficiency; improves the quality of energy (Power Quality) on the loads, extending their lifespan.

FINANCIAL SAVING: reduces the electricity consumption providing the same work performed, normally generating a variable economic saving between 3% to 6% according to the kinds of loads which are present in the line; the result is scientifically measurable thanks to the Patented Bypass and our monitoring system E-Controller.

ENVIRONMENTAL BENEFITS: every kWh saved is equivalent to 0,45 Kg of lower CO₂ emissions.

A study by Leonardo ENERGY conducted in 8 countries out of 16 different industrial sectors concluded that the cost of low Power Quality is equal to almost 4% of turnover.

According to Electric Light and Power Magazine, a value ranging between 30-40% of the downtime of all companies is related to Power Quality problems.

The E-Power system generates Energy Efficiency, thus acting on Power Quality, reducing losses and disturbances in the electrical network and therefore using less energy to provide the same work.

E-Power: Data Monitoring

The control unit of E-Power is equipped with power analyzers and data processing devices that allow accurate data monitoring activities.

All the electrical parameters are retrieved through high frequency sampling power analyzers; the gathered data are processed and communicated through a web-based device called E-Controller. This device, in combination with a patented Bypass system mounted on E-Power, allows the scientific measurement of the efficiency results obtained in the site and the visualization of all data through our E-PowerNOW platform.



Our Goals Today

Our main objective is to establish relations with potential partners possibly in 2 areas:

- Joint R&D and industrial development aimed at new products and new applications.
- Distribution of our solutions in some of the European markets and areas which are not currently covered by our distribution network.

