

# Optimizing PV applications



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➤ CEB srl is a relatively young player in the solar business. Though founded in 1986, CEB began just a few months ago to provide solutions for the energy market, in particular for the photovoltaic sector. But CEB's long experience established in industrial automation is an ideal basis to serve energy saving. The company started its business with successful lines of electronic units for industrial automation; since 2001 CEB develops data collection systems for industrial production processes.

ECOGUARD is the name of CEB's answer to a new challenge: an open system for energy data collection and their analysis for photovoltaic applications. "Unless you can get the real information from the PV field, you can't think to succeed in optimizing your power station and getting the greatest efficiency from your panels", says Dario Signoria, President of CEB. Furthermore CEB offers an innovative junction box for photovoltaic strings, ECOSTRING. "The productive chain of solar energy starts off with the panels: that's why we've paid great attention to the junction box, and

ECOSTRING is able to combine the handiness of installation required by technicians and the precision and versatility of measurements demanded by a supervisor."

Since 1986 CEB has been working in Lombardy, Italy, in projecting hardware and software for the merchandising areas where credibility and innovation are expected. "Unlike many other technology producers that ceased the production hardware to be dependent on commercial products, we have kept on having at our disposal an electronic R&D department. It allows us to create specific products provided with the best requested features and perfectly integrated into our systems", says Maurizio Seriola, Engineering Department Manager at CEB.

Apart from Italy, CEB is establishing itself in the Czech Republic, Germany and Greece and plans to develop the US market. But with new photovoltaic products already in the pipeline – a hardware interface and new features for ECOGUARD – the global PV market is in reach for CEB.



**ECOSTRING, CEB's junction box for photovoltaic strings**

Photo: CEB