

High Potential Initiatives Profiles

1 Accelerator

INCENSe



2 Project and Organization

Building Energy Efficiency Trusted Advisor (Beeta)

TERA srl



2.1 Country

Italy

2.2 Project Abstract

Tera has developed a new solution, Building Energy Efficiency Trusted Advisor (Beeta), to

- Help prosumers improve the performance of Photovoltaics, or rooftop solar panels that create direct current electricity
- Help consumers improve the return on their investment (ROI) on the plant (which includes 18 solar panels) by lowering production costs through remote monitoring
- Help all homeowners become more efficient and cut their electric bills by changing habits and lowering power consumption.

Beeta is a smart innovative embedded, web and cloud based energy optimization retrofitting system, interoperable with existing and new devices in houses and small buildings, enabling customers for energy savings and higher profits. Beeta has the main goal to enhance the energy efficiency in small scale renewables (power <100kW) targeting houses and commercial buildings. It addresses both electric and gas consumptions. Tera estimated that buildings without photovoltaic system can save up to 200€/annually on their bills, while the savings increase up to 400€/annually with photovoltaic system.

In terms of geographical focus, Tera aims at scaling up to the European level with a strong focus on Italy, and Spain. Currently, at local level Tera is addressing of the largest regional (Puglia region) market of photovoltaic panels in Italy.

FIWARE technology was implemented in Beeta for the gateway, and transmission of the information from the sensor to the cloud platform. This allows the insights elaborated to be sent to the mobile application. They make use of the following GEs: Publish/Subscribe Context Broker; Object Storage GE; IoT Broker; Backend Device Management; Complex Event Processing; BigData Analysis.

2.3 Sector

Consumer energy & home automation, Electricity, Gas, Steam and Air Conditioning Supply



2.4 Target Market

B2B/B2C

2.5 Business Model

SMART CITY SOLUTION	NO
CLOUD SOLUTION	NO
SOCIAL MEDIA SOLUTION	NO
MOBILE SOLUTION	NO
BIG DATA/ANALYTICS SOLUTION	NO
IOT	YES

2.6 Website

www.terasrl.it