SMILE-O

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Smart MeterIng for Local Energy Optimization.

Applicant: **Akhela**

Project duration: **24 Months**

Project partners:

- **Concept Reply**
- **Vastalla**
- **Istituto Superiore Mario Boella**
- **Politecnico di Torino - Dipartimento di Automatica e Informatica**
- **E-Olicar**
- **Capetti Elettronica S.r.l.**

Compared to the normal smart-metering systems used by electricity distributors, the benefits of the optimization framework proposed in the project SMILE-O are the extreme configurability of data collection, the ability to make them available to the user and Internet detection, which allows you to correlate with heterogeneous data that are not directly detectable locally.

The forecasting model which will be realized will be able to develop predictors of energy available by the user to program the increase or reduction in consumption based on energy production.

This will increase the percentage of net metering or encourage any cost factors, such as bi-hourly rates.

Validation of the model will be in a park mini-wind associated with a settlement of small businesses, with the aim of selecting the processes to be activated in relation to forecasts of energy production from renewable sources.