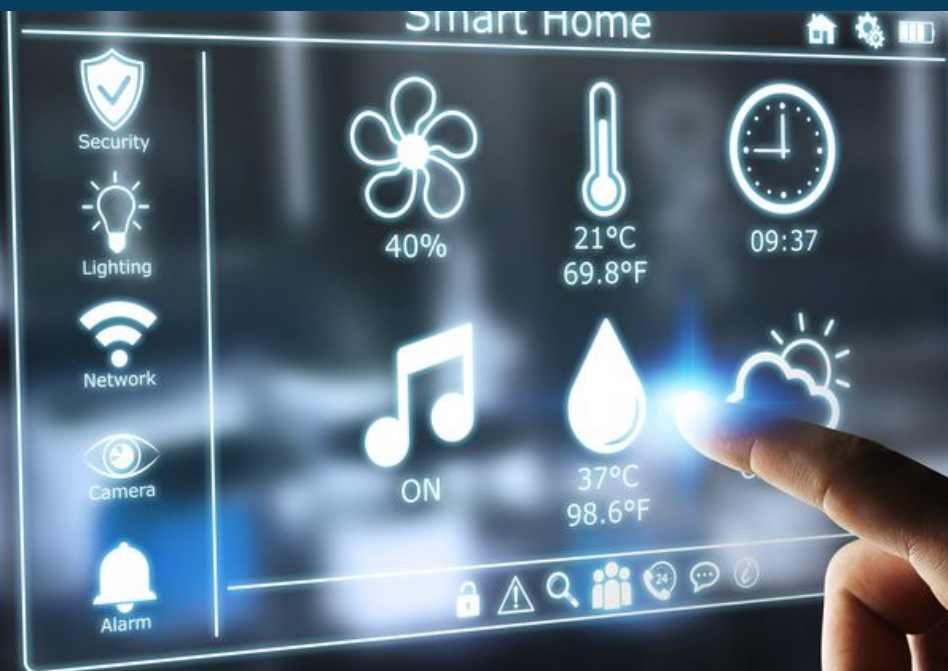# Integrating Blockchain with the Smart Home Gateways

PROSUME

decentralizing power

Italian energy aggregator **Evolvere** has allied with **Prosume** (controlled by Mangrovia) in an unprecedented partnership between a leader in the distributed generation sector and a blockchain solutions provider.

Managing around 12,000 PV plants, Evolvere's large network is significant: it will be the first time an aggregator has shook on a blockchain development plan, making e- Prosume the first project of its kind and proportions.

Aimed at bringing the blockchain into smart homes, the joint venture's first plan of action is to **integrate Mangrovia's blockchain software with EUGENIO, a smart home gateway**. Through an app on a device, e-Prosume allows homeowners to manage various aspects of their everyday lives: energy savings, safety, comfort and smart payments, in a wholesale upgrade of the definition of *smart living*.

Integrated and installed into homes (within a year) would be some of the first 2.000 smart home devices in the world that would represent the nodes on an energy blockchain network. Through a customised cloud platform, this integration enables production/consumption and pricing data collection, progressing the liberalisation of the local energy market and evolving its smart grids.

MAIN FEATURES

From the real-time collection and analysis of such data, end-clients will also enjoy new services as:

- Smart billing
- Smart contracts
- Automated payments
- Grid balancing services

KEY POINTS

- company: Prosume Srl
- counterpart: e-Prosume Srl
- type: Joint Venture
- date: December 2018