EUREKA Eurogia SolarPact Project

Sahin Caglayan
Co-founder & CEO
@Reengen

Business Impact from CELTIC and Eurogia Projects

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SOLUTION

Energy AI & IoT Platform

Cloud-based End-to-end Energy Intelligence Solutions for Buildings, Facilities and Utilities

Turns Data into Actionable Intelligence

Track the real time condition of your energy assets, monitor energy performance of your buildings, systems and renewable energy plants and obtain data-driven notifications from anywhere and anytime you need.

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement N° 864283
MILESTONES

2013
Established as R&D and Tech StartUp

2015
National & EU Grants Energy IoT Platform v1.0

2017
Seed Investment Operational Expansion

2018
Energy IoT Platform v2.0 Partnerships

2019
Pre Series-A Investment Global Expansion

2020
Series-A Investment Global Expansion

- 3 Countries
  - 5,000 Facilities
  - 1,000 GWh/year Managed Energy

- 7 Countries
  - 10,000 Facilities
  - 3,000 GWh/year Managed Energy
360° ENERGY & OPERATIONAL INTELLIGENCE

- Predictive Maintenance
- Energy Management
- Sustainability Management
- Utility Bill Management
- Optimum Energy Procurement
- Demand Side Management
- Asset Management
- Power Plant Management
360° SUPERIOR FEEDBACK MECHANISM – PREDICTIVE ANALYTICS

Customized – white labeled platform

Executive Reporting

In-dept Technical Analysis

Real Time Operational Dashboards

Automated & Customized Reporting

Native Mobile Apps
# R&D Focus - Digital Future of Smart Grid & Smart Cities

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- Cloud Computing
- IoT
- Blockchain

- IDERE4C
- Game4SEEN
- SolarPact
Some of Our R&D Project Ideas

- Platform-as-a-Service Application Marketplace for Smart Cities
- Wireless sensor network-based demand response platform
- AI-powered chatbot based utility customer engagement portal
- IoT Monitoring and Gamification based End User Behavior Enhancement for Energy Efficiency
- Big Data for Energy Efficient Buildings & Cities
- Blockchain-based microgrid optimization
- Gamification supported customer engagement for demand side management
- LoRaWAN & NB-IoT hybrid network based smart sensor management platform
- Solar Plant Supply Side Management & Real Time Control
- Renewables integrated Smart Grid optimization

AND MANY MORE....
CONTACT US FOR DETAILS!
SOLARPACT PROJECT

SOLARÇATI REQUIRES

- EACH SOLAR PLANT MUST BE MONITORED BY APP
- SOLAR & STORAGE SYSTEMS MUST BE SUPPORTED WITH INTELLIGENT OPTIMIZATION ALGORITHM
- MUST SELECT LOWEST AND PUREST ENERGY OPTIONS FOR PEOPLE

THEY NEED AN ALGORITHM WHICH SERVES A LOAD WITH LOWEST PRICE
The goal of the SolarPact project is developing and demonstrating advanced algorithms and software applications for solar prosumers, smart scheduling of local production and consumption via algorithms and user interaction for both the commercial and residential sectors.
TECHNOLOGY Edge Analytics

Scalable and replicable communication infrastructure

IoT Gateway

All-In-One Advanced Hub

Modbus, IEC6205621, SNMP, BacNet, Profibus, 2-Way Communication, Remote Control...
SOLARPACT

TECHNOLOGY AI-POWERED OPTIMIZATION

• SELF LEARNING SMART ALGORITHM
• COMPARES
  ✓ HOURLY ELECTRICITY PRICE
  ✓ HOUSEHOLD CONSUMPTION
  ✓ STORAGE LEVEL
• DECIDES CHEAPEST ENERGY SCENARIO
Thank you!