



# Smart IT for Energy Efficiency & Integrated Demand Management

## ABOUT THE PROJECT

SIT4Energy aims to present to end-user prosumers **analysis tools** and **recommendations** for energy efficiency actions, enabling them to **realize energy savings potentials**, so as to widen user adoption of such techniques and increase their effectiveness.

Accordingly, the vision and fundamental goal of the SIT4Energy project is: to provide evidence, frameworks and tools for motivating and supporting behavioral change of energy end-users towards energy savings.

## SUCCESS THROUGH SMART IT

Advanced Mobile Recommendations systems, adaptive incentivization and context-aware triggering services, Smart Energy Management Dashboard with smart analytics, and many more to support sustainable energy in buildings.

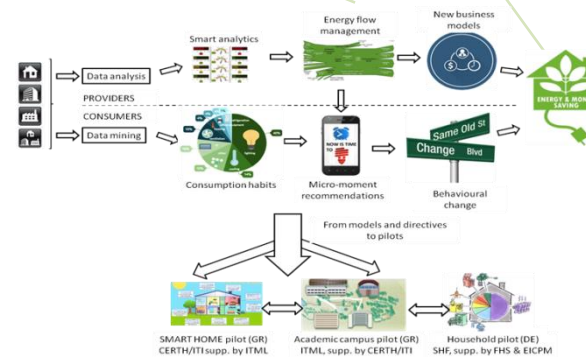


## THE SIT4Energy CONCEPT

SIT4Energy is about combining and advancing research findings in 3 pillars:

- **P1 - Technological innovation**
- **P2 - New business models**
- **P3 - consumer empowerment solution**

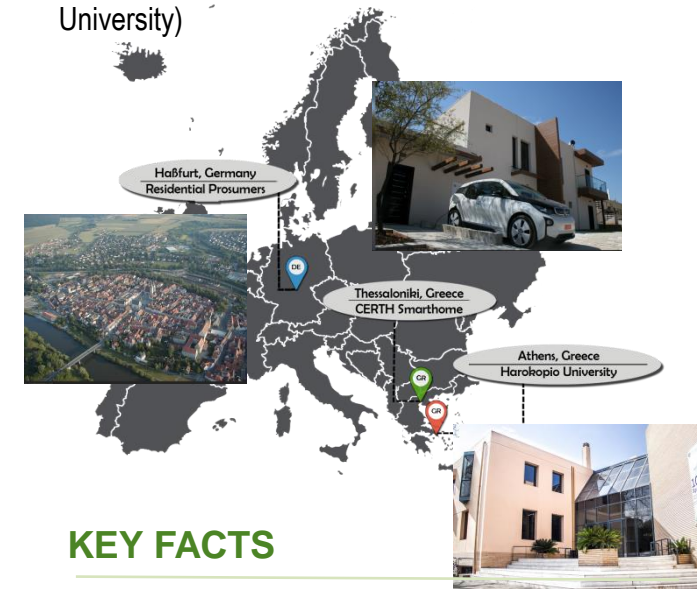
so as to contribute to consumers behavioral change towards energy efficient manners



With the introduction of the SIT4Energy pillars it is expected that energy providers will be able to **better balance energy** offer and demand and increase the financial benefits for themselves and for their **energy-aware** consumers.

## THE SIT4Energy PILOTS

SIT4Energy will be tested at a living Lab (CERTH/ITI Smart House), Residential customers (Haßfurt Town) and Tertiary buildings (Harokopio University)



## KEY FACTS

- **Consortium:** 4 partners from 2 countries
- **Start:** March 2018
- **Duration:** 3 years
- **Programme:** Greek-German Bilateral Research and Innovation Cooperation, 2016
- **Budget:** € 711.832.
- **Further info:** <https://sit4energy.eu>

## SPECIFIC OBJECTIVES

- **#1:** Understanding the interests, preferences and behavioural drivers of SIT4Energy users
- **#2:** Design prototype Business Models (BM)
- **#3:** Engineer a consumer - empowerment framework to trigger sustainable energy consumer/ prosumer practices
- **#4:** Develop strategies for increased consumer engagement in sustainable energy
- **#5:** Exploit micro-moments for individualized strategies towards behavioral change.
- **#6:** Stimulate actual empowerment of consumers and increased understanding of sustainable energy and energy billing
- **#7:** Implement context-based mobile recommendation services
- **#8:** Develop adaptive incentivization and context-aware triggering services
- **#9:** Exploit and integrate consumption, context data and behavioural analytics to develop a smart visual analytics dashboard enabling integrated energy management that identifies and exploits energy efficiency potentials on both demand and supply side

## PARTNERS

The SIT4Energy Consortium consists of 4 complementary partners from Germany (Stralsund & Haßfurt) and Greece (Athens & Thessaloniki)



**CERTH**  
CENTRE FOR  
RESEARCH & TECHNOLOGY  
HELLAS



**HOST**  
Hochschule Stralsund  
University of  
Applied Sciences



**stadtwerk**  
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**SIT4Energy**

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A Greek-German Bilateral Research and Innovation  
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