

H2020 Research & Innovation Project



Enabling new Demand Response  
Advance, Market oriented and  
secure technologies, Solutions and  
Business models

innovation

energy  
networks

savings

sustainable

solutions

secure

eDREAM

decentralized  
ecosystem

blockchain

energy

H2020

smart  
grid

demand  
response



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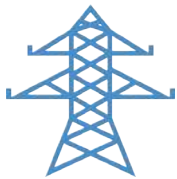
## CONTEXT

The European Commission strategic framework seeks for an improved and modernized European energy market, targeting to achieve secure, sustainable, affordable and decentralized energy networks.



## SOLUTION

eDREAM aims to research, validate and bring into pre-commercialization phase a near-real time closed-loop Demand Response framework, fully autonomous, secure (using Blockchain technology) and based on decentralized decision making functional model.



## CHALLENGE

There are very few examples of the successful deployment of Demand Side Response technologies that consider Virtual Power Plants as well as decentralized approaches towards achieving a reduction in peak grid demand and real savings for final consumers.



## IMPACT

Boost the flexibility of energy users and the smartness of the grid, enabling a smooth integration of renewables, generating 10% emission savings demonstrated and 25% cost saving and energy reduction for customers.

Find out more

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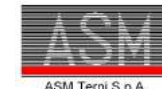
### Project Consortium



**ENGINEERING**



Information Technologies Institute



Energy is money! We save both.

