



NATIONAL & KAPODISTRIAN UNIVERSITY OF ATHENS

Ενεργειακή Αποδοτικότητα, Έξυπνα Κτίρια και Έξυπνες Πόλεις



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Our Profile and Focus

General Profile

- National & Kapodistrian University of Athens (UoA, uoa.gr) – the oldest and with the first ranking among all Greek Universities
- We form a research and innovation unit in Department of Informatics & Telecommunications (DIT, di.uoa.gr): Software Centric & Autonomic Networking Lab (SCAN, scan.di.uoa.gr)
 - 20 **researchers, engineers** and support personnel
 - **More than 20 EU Funded Projects** (since FP6)
 - SCAN-NKUA coordination (both PM and TM) in several of them
 - **More than 10 Industry Contracts**
 - Several **patents** filed in European Patent Office,
 - More than 500 **publications**,
 - More than 4000 **citations**,
 - Support of BSc/MSc/PhD dissertation thesis: ~15 per year.

Focus Areas

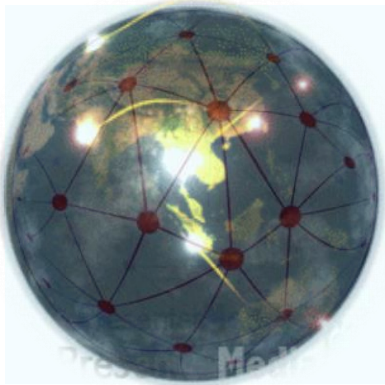
- Mobile/Wireless Communications (5G, LTE)
- MEC - Cloud
- Internet of Things – Smart Cities – Connected Cars
- Software-Defined Networks (SDN) - Network Function Virtualisation (NFV)
- Big Data (Data Analytics, Predictive Analytics, Data Economy)
- Future Internet (FI-WARE Advanced Apps and Services)



EU & Industry Projects



Energy “Golden nuggets”



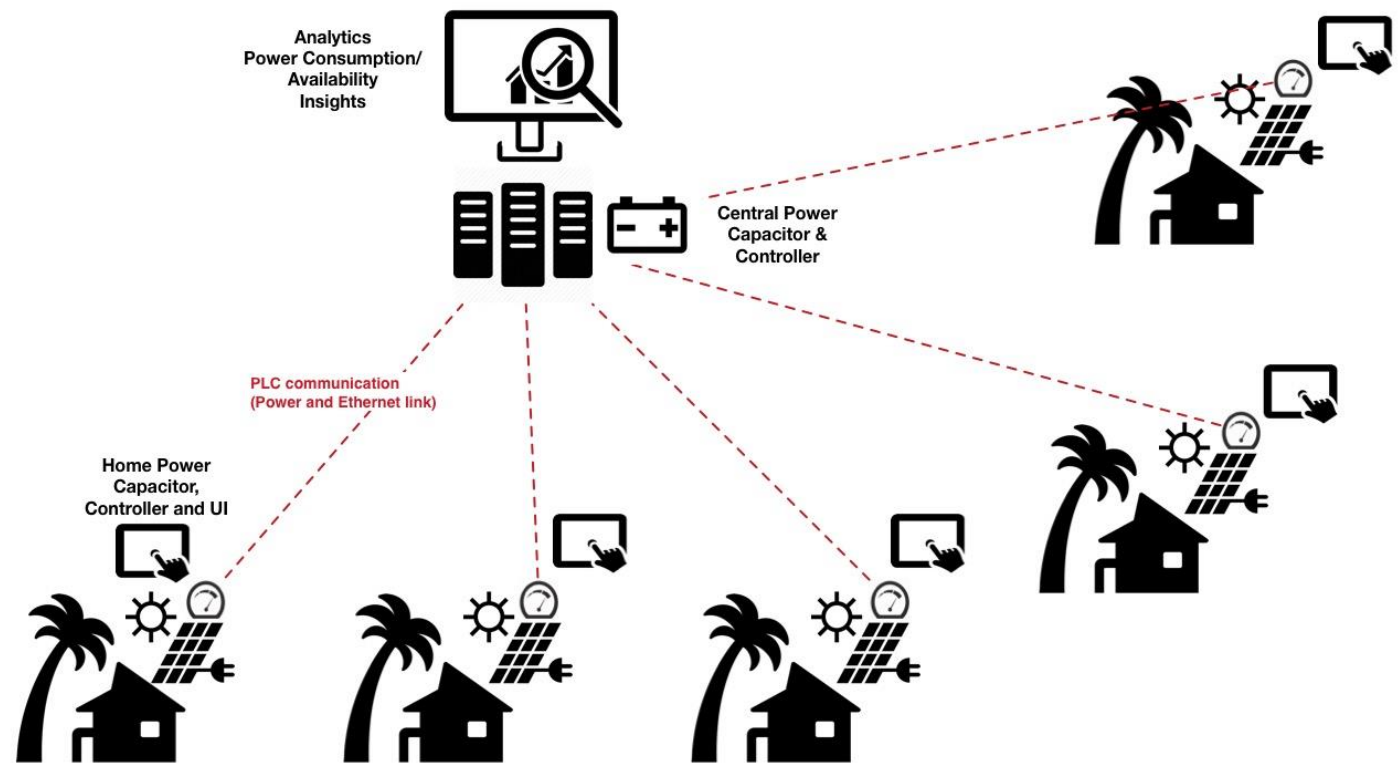
5G-IoT
+Data



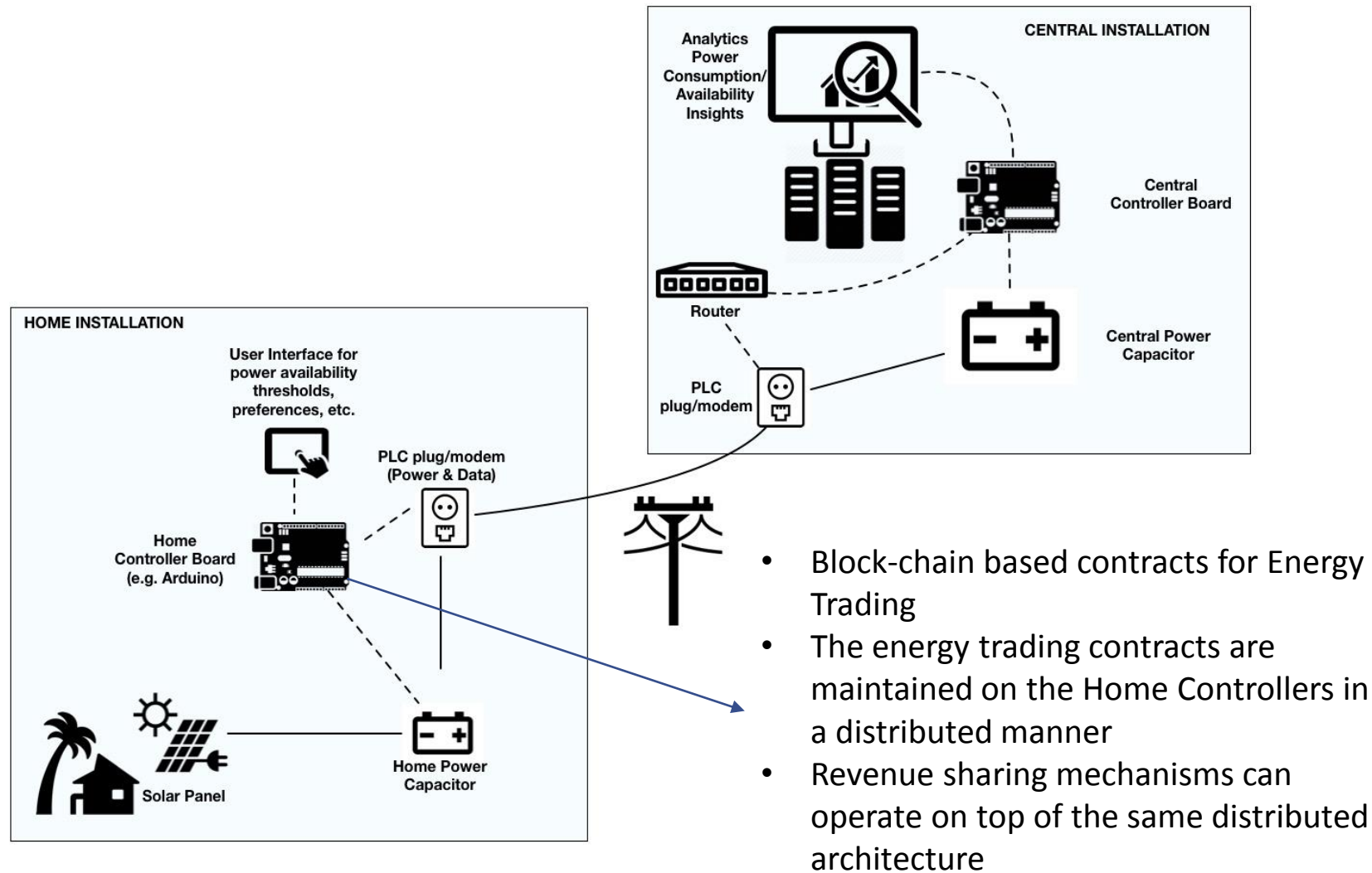
Smart Grid
Smart Mobility



Energy positive neighborhood- Dynamic Energy Sharing



Design Architecture



- Block-chain based contracts for Energy Trading
- The energy trading contracts are maintained on the Home Controllers in a distributed manner
- Revenue sharing mechanisms can operate on top of the same distributed architecture

I-onBicycle: Smart Mobility – Electric Bicycles

OnCity

Αναζήτηση

Η τοποθεσία μου

Φίλτρο Εμφάνισης

Ημερολόγιο

Υπηρεσίες Υποστήριξης

Βρίσκεστε στον Δήμο Αθηνών

i-onBicycles

Τηλ: 210 4565100,
Αθήνα, Ακαδημίας 52-54, Αθήνα, Ελλάδα

Απόσταση: 4.4 χμ.

Διαθέσιμα Ποδήλατα:
13
(Τελευταία Ενημέρωση: Πριν 3 λεπτά)

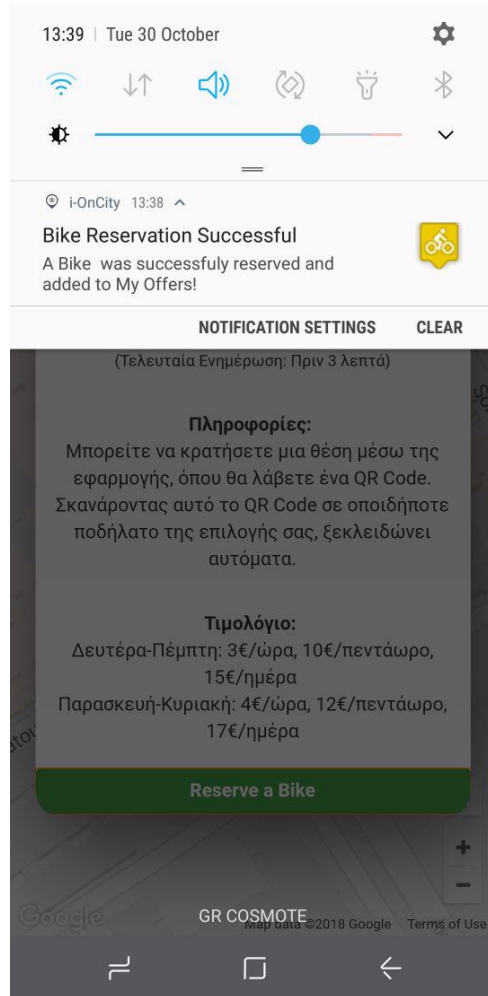
Πληροφορίες:
Μπορείτε να κρατήσετε μια θέση μέσω της εφαρμογής, όπου θα λάβετε ένα QR Code. Σκανάροντας αυτό το QR Code σε οποιοδήποτε ποδήλατο της επιλογής σας, ξεκλειδώνω αυτόματα.

Τιμολόγιο:
Δευτέρα-Πέμπτη: 3€/ώρα, 10€/πεντάωρο, 15€/ημέρα
Παρασκευή-Κυριακή: 4€/ώρα, 12€/πεντάωρο, 17€/ημέρα

Reserve a Bike



i-onBicycle: Mobile booking - payment



Fleet Management - metadata

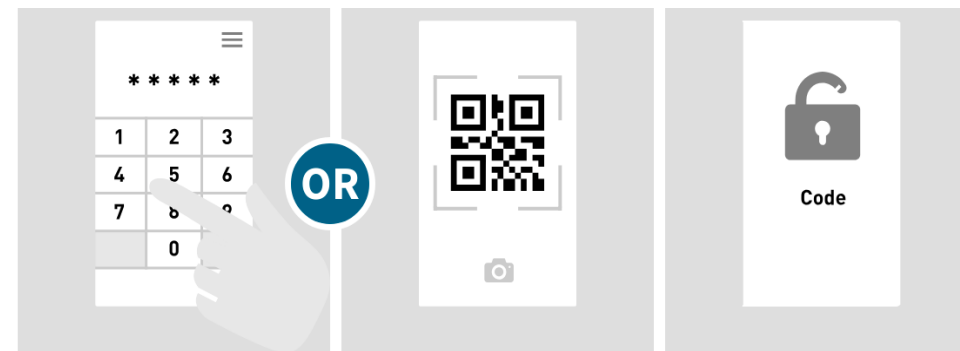
Current bicycle Position (on the map)

Type of bicycle

Status – moving, parked....

Bicycle record – routes, stations

Dynamic updates for bicycle routes, availability etc.



Thank you!

Main Contact

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