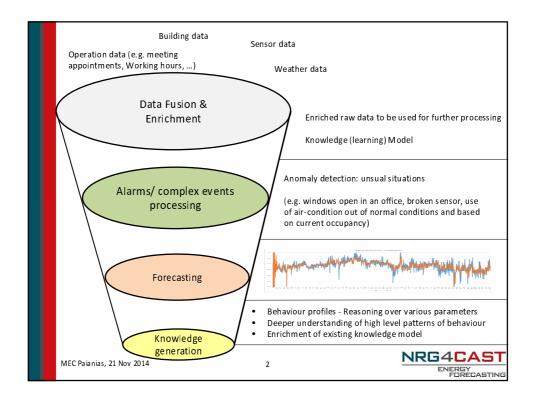


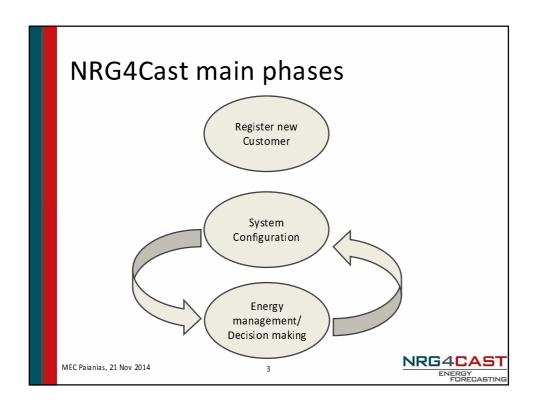


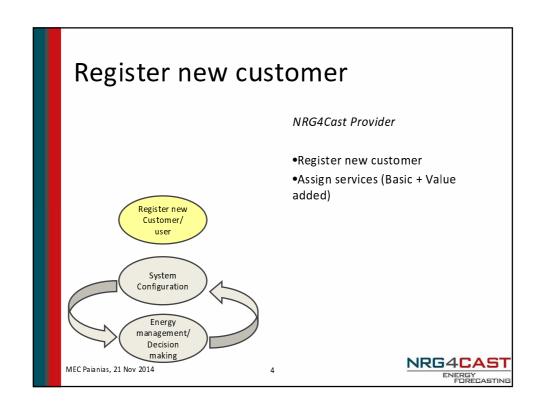
NRG4Cast Tool

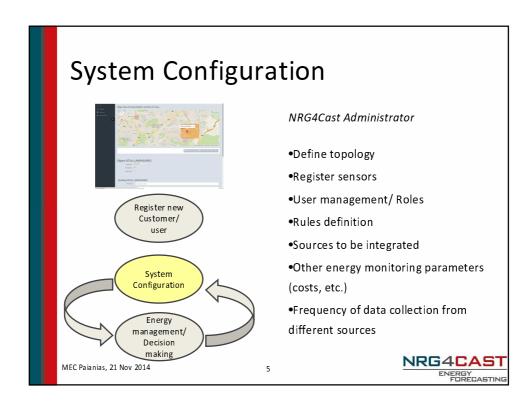
Kostas Kalaboukas

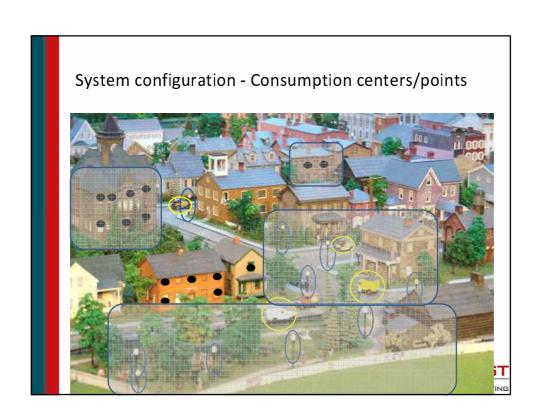
Singular Logic 7



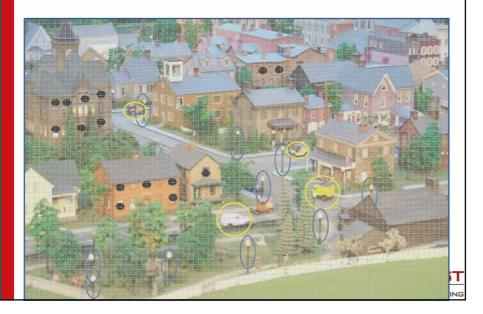








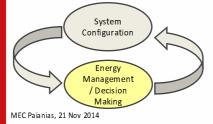
System configuration - Consumption centers/points



Energy Management/ Decision Making



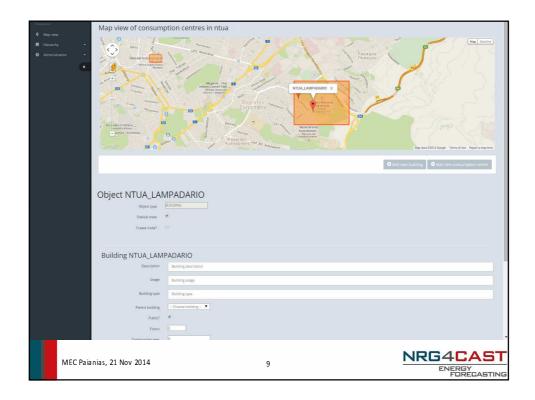
Register new Customer/ user



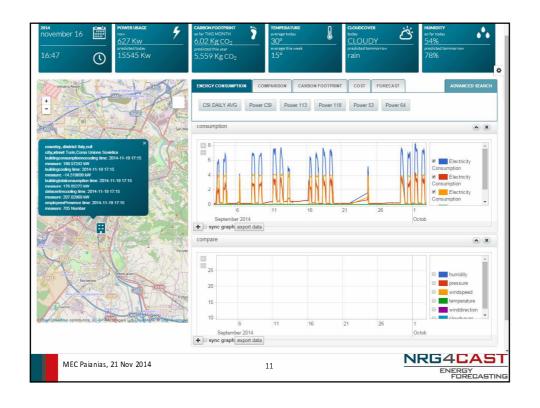
NRG4Cast Administrator

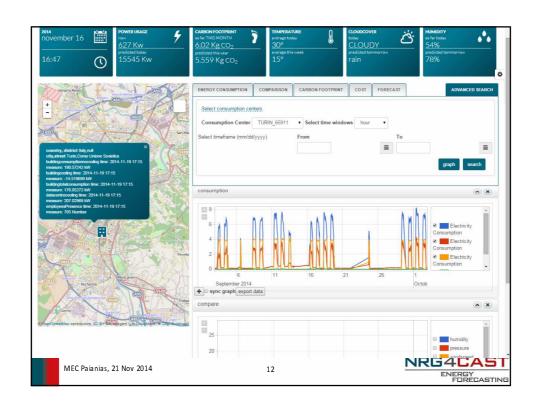
- •Display information on topology map
- •Navigation and reporting per consumption center(s)/ point(s)
- Prognosis/ forecasting
- •Export report data
- •Publish data
- •Alerts/ notifications
- •Energy bookkeeping (Slovenian Law)











Knowledge creation

Proof of concept: IREN thermal plant data at Reggio nell' Emilia (Italy).

Methodology identified typical states of the system, annotated by domain expert, such as:

- •early heating season,
- transitional season (spring, autumn) or high heating season

with a variety of substates.

MEC Paianias, 21 Nov 2014



Possible decisions using NRG4Cast (in buildings)

- Improved building utilization and energy savings
 - e.g. best allocation of class lessons or meetings in a room given constraints in Thermal/Heating
- Assess different retrofit solutions
 - Based on constructional data of the building, ISO
- Asses different HVAC solutions



Thank you for your attention

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