
Open Gateway Energy Management (OGEMA)

FINESCE Final Event "Utility 4.0"
September 16th, 2015

Dr. David Nestle
Fraunhofer IWES, Königstor 59, D-34119 Kassel,
Email: info@ogema-alliance.org

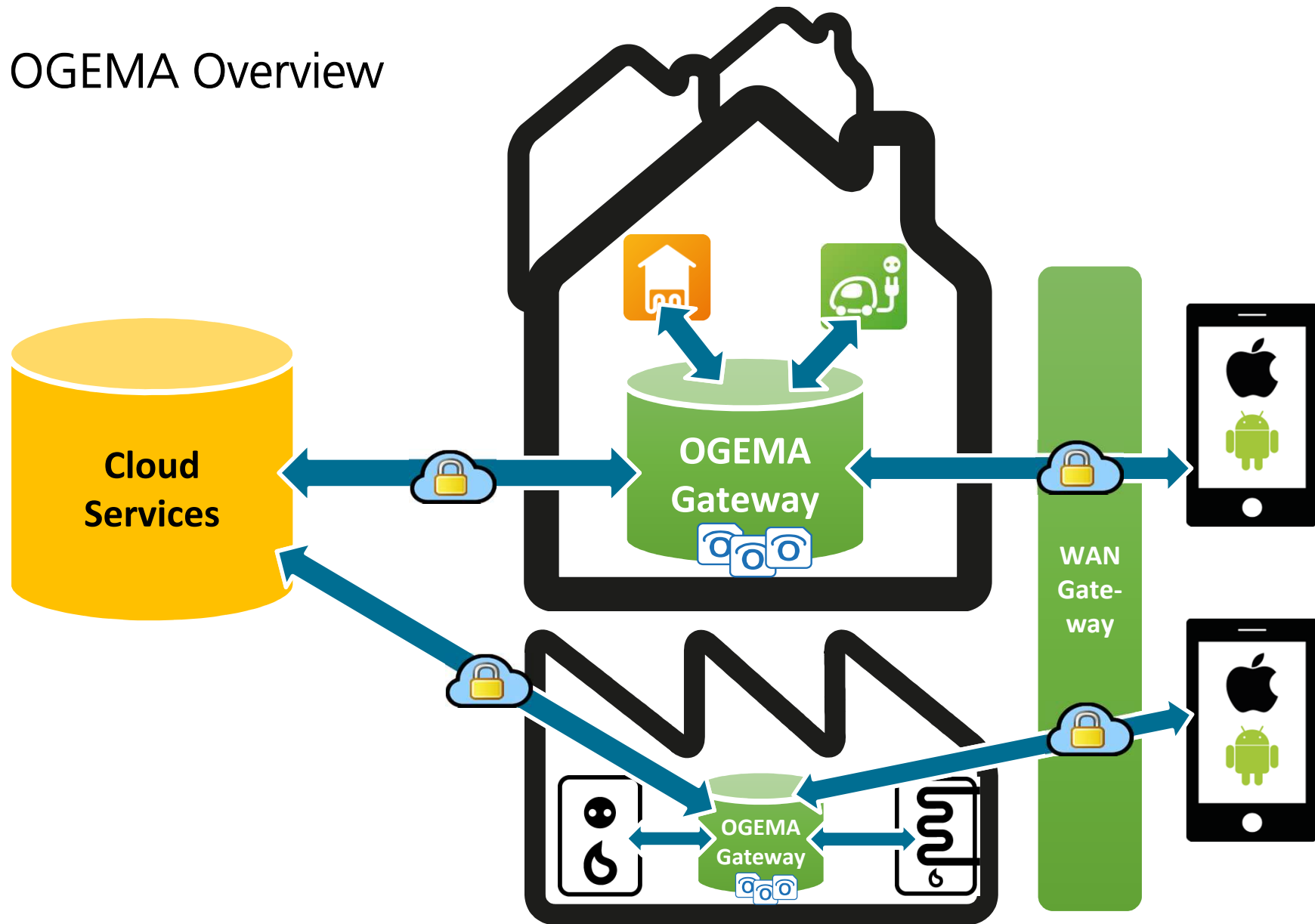
OGEMA – Smart Energy Platform for Buildings



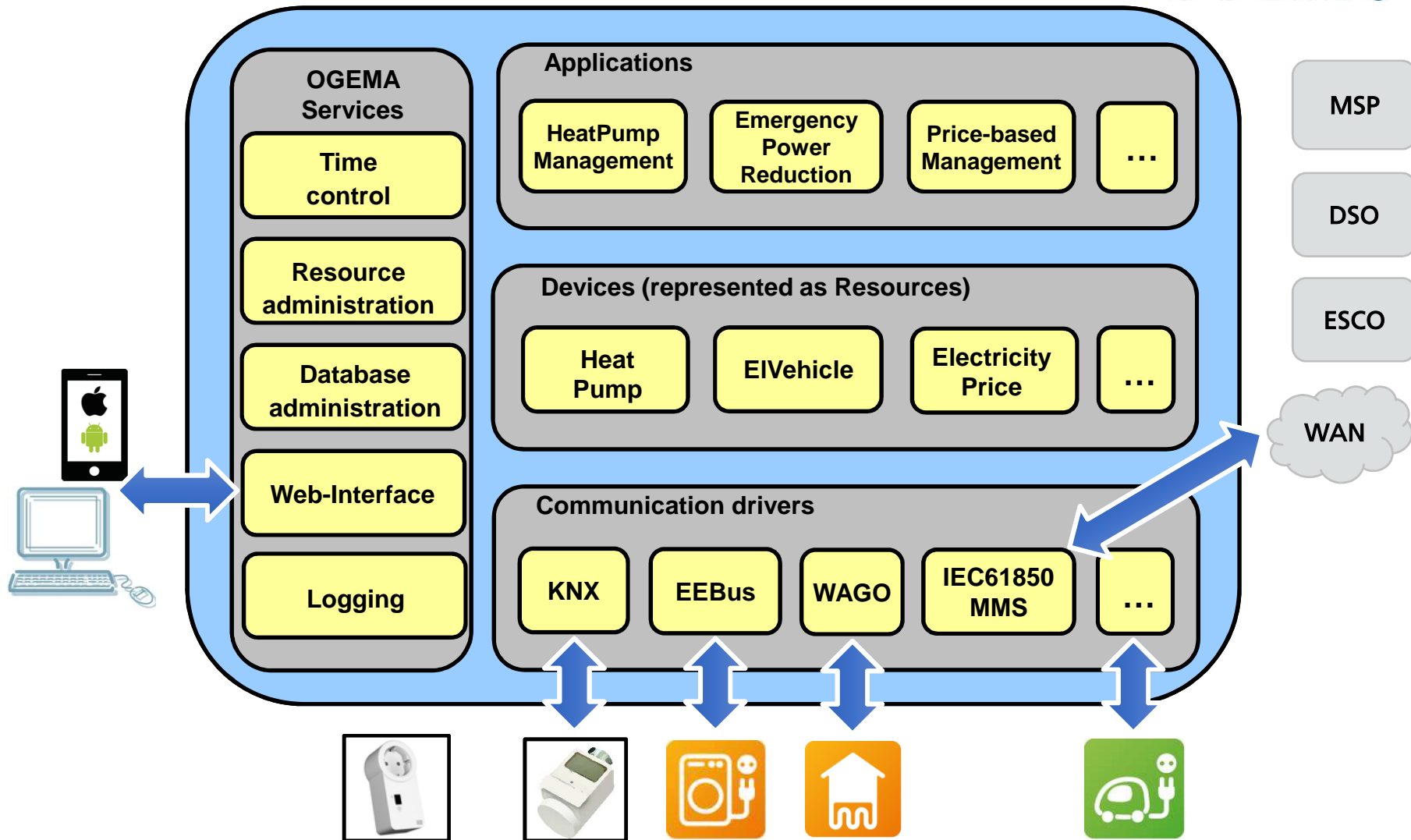
- OGEMA: Strong focus on Energy Management, but designed to support applications from all domains around building automation and operation



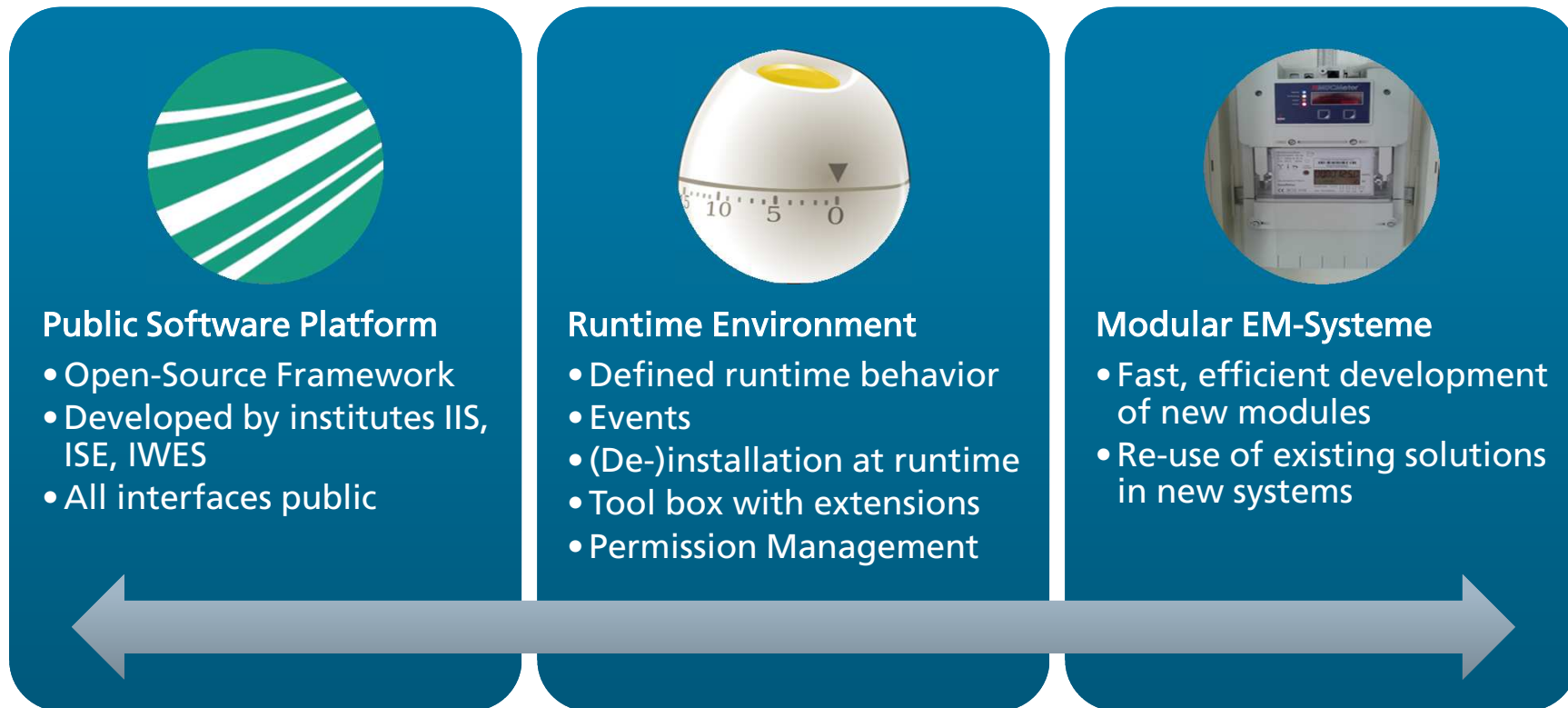
OGEMA Overview



OGEMA Gateway Architecture



Publication of specification interfaces (API) and framework implementation 12/2014 as open source



Application of OGEMA in Field tests

- E-Energy Project "Model City Mannheim"
 - E-Energy Project "Model Region Harz"
 - EU-Project Smart House – Smart Grid
 - Hessian Project "Farmer Education Center Gut Eichhof"
 - German Project "PINTA"
 - E.ON Mitte AG "REV2020"
 - further Projects under preparation
- About 1000 Energy management interfaces have been field tested
- Different Devices: Refrigerators, Freezers, Dryers, CHP, PV Systems, Heat Pumps, Agricultural Mills, ...
- Variable Tariff, Ancillary Services, Peak Shaving, Energy Efficiency, ...



MODELLSTADT MANNHEIM



SmartHouse/SmartGrid



BEAMS



schaufenster
elektromobilität

Eine Initiative der Bundesregierung

OGEMA Contact Point at Fraunhofer IWES:

<http://www.ogema.org>

Dr. David Nestle

Head of Department Energy management
Division Systems Engineering and Distribution Grids
Fraunhofer IWES
Königstor 59
34119 Kassel
Germany

Tel.: +49 561 7294-234

Fax.: +49 561 7294-200

Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages