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Smart energy services through cost-effective heating controllers

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Our Vision



“In EU, buildings account for 40% of the total energy consumption and almost 75% of them are energy inefficient.”

We develop **cost-effective** and **universal** retrofitting solutions for legacy building systems, delivering:

- improved energy efficiency
- advanced energy management
- smart energy services for key business stakeholders

Competitive advantages:

- joint monitoring and control across energy vectors (electricity - natural gas)
- verified system compatibility
- targeted services for specific business domains
- interconnected portfolio at scale



Legacy Heating



End user



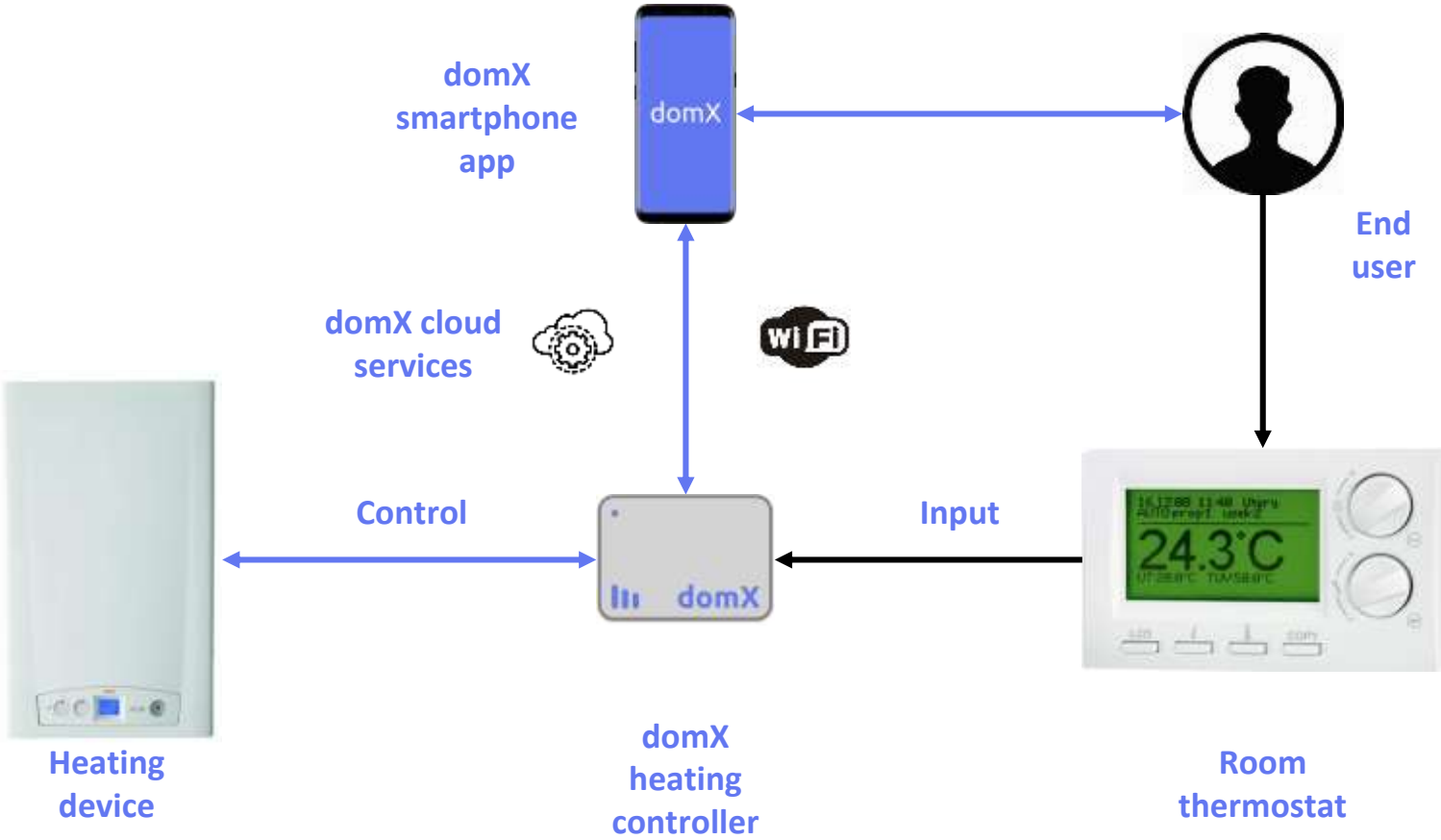
Room thermostat



Heating device



domX Retrofitting Approach



PATENT PENDING

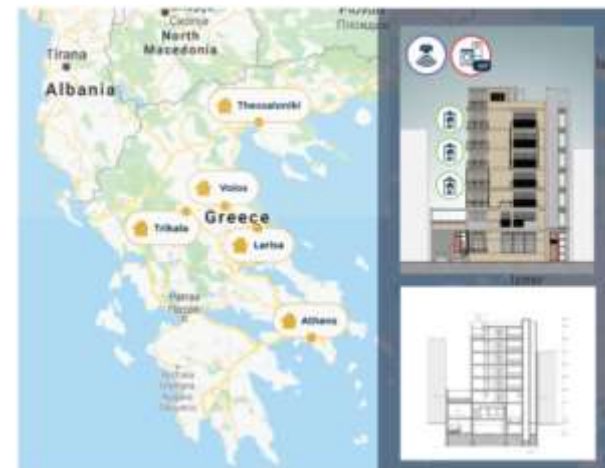
Stakeholder engagement



- The engaged stakeholders **receive targeted information about the benefits** of applying our automated heating control solution, including:
 - Heating usage
 - Gas consumption
 - Flexibility management
 - Boiler faults
 - Service management
- All data are communicated to connected stakeholders through user interfaces:
 - **Smartphone application** for end consumers
 - **Energy management dashboard** for business partners
- Within DECIDE more than **50 gas consumers** across 5 cities already participating and interacting with the system!



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Smart Services for End Consumers



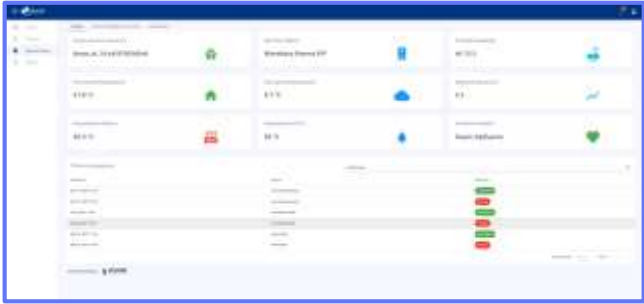
- **Unique Benefits**
 - Low-cost hardware
 - Upgrade of legacy boilers
 - Metering and Control through a single device
 - Improved Energy efficiency (up to 35%)
- **End user services**
 - Remote heating control
 - Reduced energy consumption
 - Improved climate comfort
 - Annual boiler service scheduling
- **End user feedback**
 - Energy consumption visualization
 - Personalized report on energy savings
 - Comparative performance evaluation across participants with similar characteristics (climatic zone, building, heating usage, etc.)



**Boiler attached with
the heating controller**

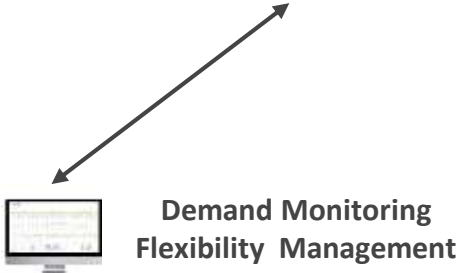


Smart Services for Business Partners



domX cloud
Energy Management Dashboard

Interconnected portfolio management



Energy
Suppliers



Technical
Service - Installation



Remote control
Consumption
monitoring



Building
Managers

Moving to Collective Actions



- **Identify ways to engage with more stakeholders:**
 - Blocks of residential buildings
 - Municipalities
 - Citizen energy communities
- **Customized Energy Management solution for**
 - Managers of Residential Buildings
 - Managers of Public Buildings
 - Assisting Citizen ECs to contribute to their Energy Efficiency Obligation Scheme (EEOS) share
- **Identify alignments with national initiatives**
 - Saving - Autonomous: Funding program for the Energy Upgrade and Autonomy of Homes
 - ILEKTRA: Funding program for the Energy Upgrade of Public Buildings
- **Regulatory barriers**
 - Municipalities: cannot subsidise/fund equipment cost for citizens
 - Energy Communities: cannot subsidise/fund equipment cost for members



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Thank you!

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