



WP7

Demonstrations in operational environment

WP Leader: 1A Ingenieros



Objectives

- ➔ • Collect data for 2 years and develop baseline operation profiles.
- ➔ • Implement and demonstrate the streamlined process of PRELUDE implementation in the demo sites.
- ➔ • Justify the expected improvements due to the proactive optimization and locations of different buildings.
- ➔ • Attracting adopters of the methodology through the collection of material and feedback.



Partners involved

- Total of 317 PMs:

AAU	TAU	AIMEN	POLITO	FB	USMART	BUL	EMTECH	EMT GMBH	CORE	ESTIA
18.00	4.00	10.00	22.00	4.00	1.00	4.00	14.00	1.00	11.00	21.00

EUROC	IREN	IREN SPA	LIBRA	STAM	LASIA	TREE	1AI	DAEM	BLOK	CPEG	INCO-TECH
14.00	19.00	11.00	5.00	14.00	12.00	2.00	39.00	34.00	35.00	8.00	14.00

Tasks WP7

WP	Lead	Start (month)	End (month)
WP7 Demonstrations in operational environment	IAI	4	42
T7.1 Demo site monitoring and commissioning	IAI	4	30
T7.2 Demonstrations: Geneva	CPEG	4	30
T7.3 Demonstrations: Turin	IREN	4	30
T7.4 Demonstrations: Krakow	BLOK	4	30
T7.5 Demonstrations: Athens	DAEM	4	30
T7.6 Demonstrations: N. Denmark	AAU	4	30
T7.7 Demonstration activities and evaluation of results	IAI	30	42
T7.8 Monitoring SRI and EPBD alignment	EUROC	4	42



<p><u>T7.1</u></p> <p>The systems will be installed and demo site and evaluation will be conducted.</p> <p>Will identify any issues with the installation prior to the start of demonstrations.</p>	<p><u>T7.2</u></p> <p>Control the installation.</p> <p>Maximise the self consumption.</p> <p>Monitoring of the indoor environment conditions.</p>	<p><u>T7.3</u></p> <p>Demo buildings will be analysed using simulations.</p> <p>Platforms and apps will have a commercial level.</p>	<p><u>T7.4</u></p> <p>Individual thermostats In the apartments.</p> <p>With sensors and the respective users will receive alerts and notifications.</p>
<p><u>T7.5</u></p> <p>Sensors and monitoring.</p> <p>Users feedback will show their acceptance.</p>	<p><u>T7.6</u></p> <p>Apply PRELUDE methodology in order to minimize performance gap between expected and real performance.</p>	<p><u>T7.7</u></p> <p>Monitoring and coordinate the data collection from each demo site.</p> <p>The interpretation of the data will inspire solutions.</p> <p>User feedback will be collected through the app.</p>	<p><u>T7.8</u></p> <p>PRELUDE report will be monitored and reported with regards to the EPBD and SRI.</p>



Milestones

Milestone number	Milestone title	Lead beneficiary	Due Date (in months)	Means of verification
MS 6	Monitoring operational	17 - 1AI	12	Monitoring plan implemented and data collection started at the demo sites
MS 7	Demostration progress	17 - 1AI	18	Progress of demos reported in M 18 meeting
MS 11	Start of demonstration	17 - 1AI	30	System ready and demo sites commissioned, presented in M30 PSC meeting
MS 12	User feedback reported	17 - 1AI	36	First round of user feedback reported

Deliverables

Deliverable Number	Deliverable Title	Lead beneficiary	Nature	Dissemination level	Delivery date
D7.1	Demonstration site overall management report	17 - 1AI	Report	Confidential, only for members of the consortium	30
D7.2	Demo site #1 Switzerland report	20 - CPEG	Report	Public	30
D7.3	Demo site report#2 Turin	12 - IREN	Report	Public	30
D7.4	Demo site report #3 Krakow	19 - BLOK	Report	Public	30
D7.5	Demo site report #4 Athens	18 - DAEM	Report	Public	30
D7.6	Demo report #6 N.Denmark	1 - AAU	Report	Public	30
D7.7	Demonstration report	17 - 1AI	Report	Public	42
D7.8	Best practices for SRI assessment	11 - EUROCC	Report	Public	42

Identification of major risks

