

# SMART READINESS INDICATOR (SRI)

## Case study n°2

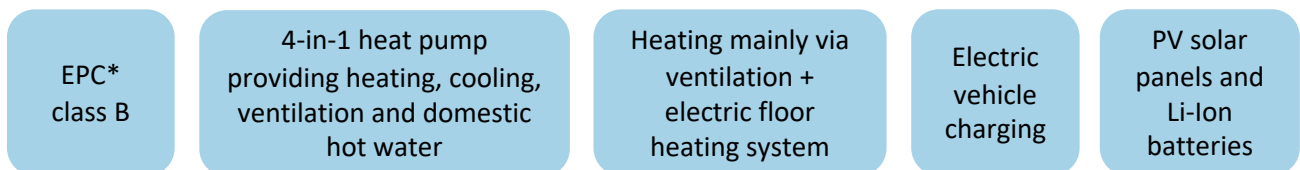
### THE BUILDING:

<b>Building type</b>	Residential (semi-detached houses)		
<b>Location</b>	Olm, Luxembourg		
<b>Surface area</b>	200 m <sup>2</sup>	<b>Construction year</b>	2020
<b>Specificities</b>	The Elmen social housing project, developed by <a href="#">SNHBM</a> , is expected to become a model of sustainable construction in Luxembourg. The case study concerns the demo house of the project.		



Demo house of the Elmen project. © Sébastien Thomas

### MAIN TECHNICAL CHARACTERISTICS:



\* EPC = energy performance certificate








### HOW THE SRI WAS ASSESSED:

Assessment carried out by [LIST](#). Use of the simplified service catalogue available in the SRI assessment package (available on request at <https://ec.europa.eu/eusurvey/runner/SRI-assessment-package>).










### OUTCOMES OF THE SRI ASSESSMENT:

Overall SRI score: **40%** \*

#### Scores per impact criteria:

Energy efficiency		51%
Maintenance and fault prediction		27%
Comfort		44%
Convenience		46%
Health, well-being and accessibility		32%
Information to occupants		35%
Energy flexibility and storage		51%

#### Scores per technical domains:

Heating		65%
Cooling		69%
Domestic hot water		31%
Ventilation		19%
Lighting		42%
Dynamic building envelope		16%
Electricity		51%
Electric vehicle charging		44%
Monitoring and control		31%

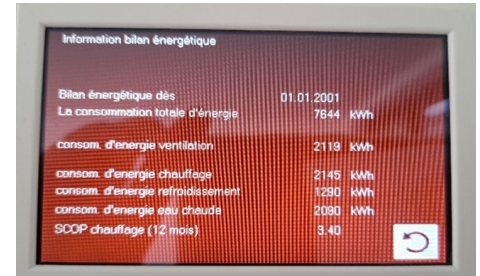
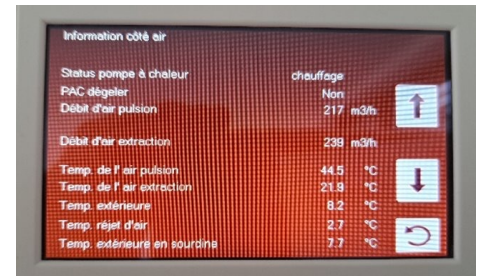
\* One of the highest scores observed for residential buildings which have an average score of 19%, according to a survey conducted in Q1 2023 (cf. [webinar presentation](#) slides 66-68)

## FOCUS ON ONE SERVICE:

### MC-13 “Central reporting of technical building systems performance and energy use”

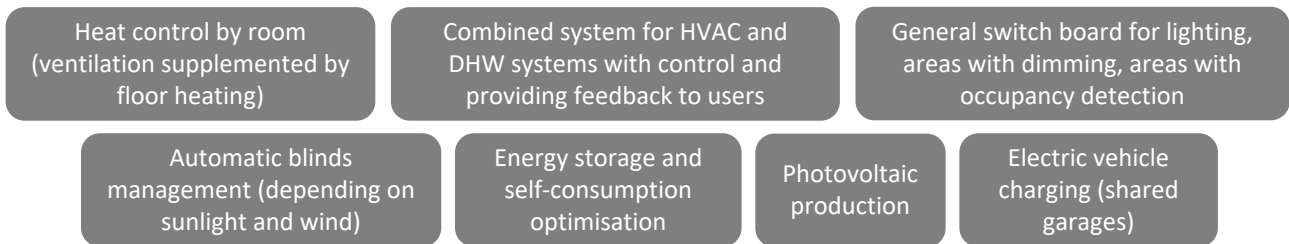
The building is equipped with an interface providing information to occupants on ventilation, heating, cooling and domestic hot water. Therefore, the functionality level for this service is 2.

Functionality level 0 (non-smart default)	Functionality level 1	Functionality level 2	Functionality level 3 (smartest level)
None	Central or remote reporting of real-time energy use per energy carrier	Central or remote reporting of real-time energy use per energy carrier, combining TBS* of at least 2 domains in one interface	Central or remote reporting of real-time energy use per energy carrier, combining TBS* of all main domains in one interface



\* TBS = technical building system

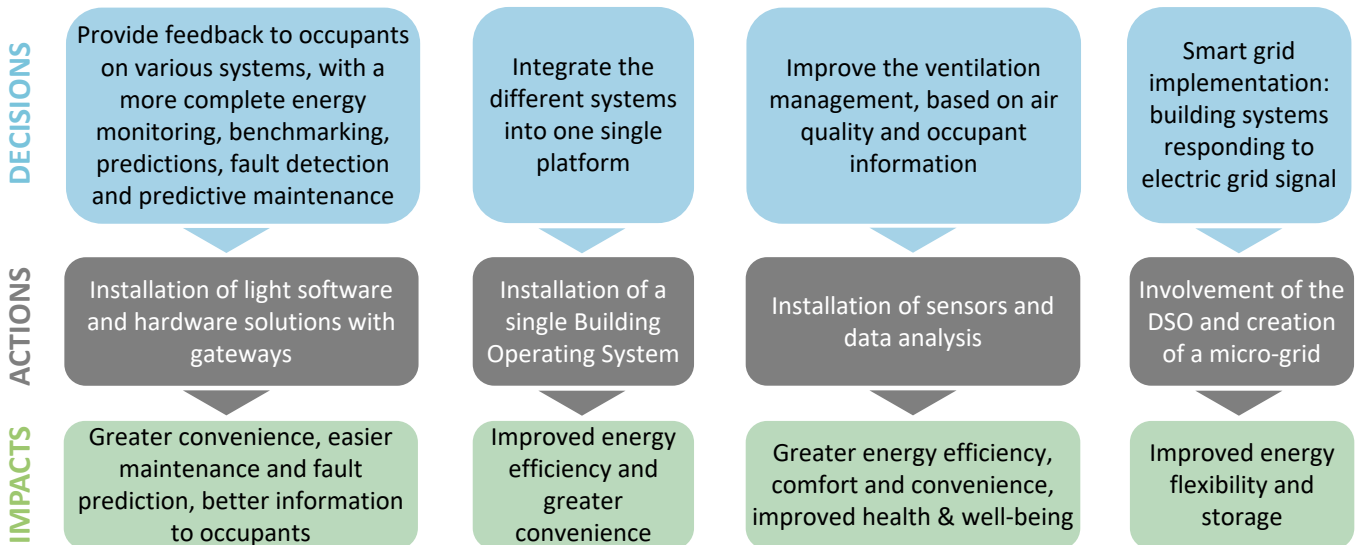
## ASPECTS POSITIVELY IMPACTING THE EVALUATION:



\* HVAC = heating, ventilation and air conditioning  
\* DHW = domestic hot water

## IMPROVEMENT POTENTIAL:

To increase the overall SRI score from **40%** to **70%**:



## FOLLOW AND CONTACT US!

- SRI website, newsletter, FAQ and resources: <https://energy.ec.europa.eu/smart-readiness-indicator>
- European Commission Contact: Brigitte Jacquemont: [ENER-BUILDINGS@ec.europa.eu](mailto:ENER-BUILDINGS@ec.europa.eu)
- Twitter: @Energy4Europe #SmartReadinessIndicator