


<b>Building</b>	<b>Pilot R2.1</b>
Photo	
Name	Viborg Town Hall
Location	Prinsens Alle, 8800 Viborg
Country	Denmark
Type of Building	Office building
Year of Construction	Under construction
Net Floor Area	19.000 m <sup>2</sup>
Occupancy	Daily occupancy estimated at 500 persons plus an unknown number of guests
<b>ICT System</b>	
System Structure	Server based communication tool including a web-based interface
Technical requirements	Building Energy Management System must be able to change setpoints, operation modes and make detailed reports of measurements.
Frontends and functions	Web-frontends for generic information and expert frontends for specific analysis, information to users and building management experts. May change according to actual chosen solution.
Implementation date	-

Physical information				
Net floor area	19.000	m <sup>2</sup>		
Average U-value of constructions	0.2	W/(m <sup>2</sup> · K)		
Average U-value of windows	1.0	W/(m <sup>2</sup> · K)		

Primary indicators (see D1.2 for further information)	No.	Current (baseline)	Expected (after)	Unit (per year)
Primary energy consumption	1	4206	3254	MWh
Specific primary energy consumption	1a	218	168	kWh/m <sup>2</sup>
Delivered electricity	2	1121	966	MWh
Specific delivered electricity	2a	58	50	kWh/m <sup>2</sup>
Delivered heating energy	3	889	394	MWh
Specific delivered heating energy	3a	46	20	kWh/m <sup>2</sup>
Delivered cooling energy	4	367	367	MWh
Specific delivered cooling energy	4a	19	19	kWh/m <sup>2</sup>
CO <sub>2</sub> Emissions	5	914	695	ton(CO <sub>2</sub> )
Specific CO <sub>2</sub> Emissions	5a	47	36	kg(CO <sub>2</sub> )/m <sup>2</sup>
Relative reduction of CO <sub>2</sub> emissions	6	-	24	%
Relative energy savings in primary energy	7	-	23	%
Energy cost savings - actual costs	8	-	81460	€/m <sup>2</sup>
Relative energy cost savings - actual costs	8a	-	21,9	%