


<b>Building</b>	<b>Pilot R1.1 (Rozanes)</b>
Foto	
Name	Rozanes: Residence for lodging researchers.
Location	42 Duque de Baena Avenue, Castillo de Rozanés plot
Country	Spain
Type of Building	Residence
Year of Construction	Under construction
Net Floor Area	6.888 m <sup>2</sup>
Occupancy	18.980 users/year
<b>ICT System</b>	
System Structure	OPC Client/Server based communication tool with a web-based interface
Technical requirements	Building management devices connected to an OPC server that offers their data to a third party software (read only)
Frontends and functions	Web frontend for all the public. Different access to basic or expert modules on the user role
Date of Implementation	-

<b>Physical information</b>		
<b>Net floor area</b>	6.888	m <sup>2</sup>
<b>Average U-value of constructions</b>	0,6	W/(m <sup>2</sup> · K)
<b>Average U-value of windows</b>	2,4	W/(m <sup>2</sup> · K)

<b>Primary indicators (see D1.2 for further information)</b>	<b>No.</b>	<b>Current (baseline)</b>	<b>Expected (after)</b>	<b>Unit (per year)</b>
<b>Primary energy consumption</b>	1	1.990,18	1.734,96	MWh
<b>Specific primary energy consumption</b>	1a	288,93	251,88	kWh/m <sup>2</sup>
<b>Delivered electricity</b>	2	543,36	471,77	MWh
<b>Specific delivered electricity</b>	2a	78,89	68,49	kWh/m <sup>2</sup>
<b>Delivered heating energy</b>	3	723,24	654,36	MWh
<b>Specific delivered heating energy</b>	3a	105,00	95,00	kWh/m <sup>2</sup>
<b>Delivered cooling energy *</b>	4	18,55	17,28	MWh
<b>Specific delivered cooling energy</b>	4a	2,69	2,51	kWh/m <sup>2</sup>
<b>CO<sub>2</sub> Emissions</b>	5	335,98	291,74	ton(CO <sub>2</sub> )
<b>Specific CO<sub>2</sub> Emissions</b>	5a	48,78	42,35	kg(CO <sub>2</sub> )/m <sup>2</sup>
<b>Relative reduction of CO<sub>2</sub> emissions</b>	6		13	%
<b>Relative energy savings in primary energy</b>	7		13	%
<b>Energy cost savings – actual costs</b>	8		1,65	€/m <sup>2</sup>
<b>Relative energy cost savings – actual costs</b>	8a		12	%