

University : Universitat Internacional de Catalunya (UIC)

Country : Spain

Web Address : www.uic.es/en

[2] Energy and Climate Change (EC)

[2.3] Smart Building Implementation

***At least five requirements for each building**

No.	Name	Place	auto mation		safety				ener gy		wate r		indoor environ ment				lightning				Building Area (m ²)		
			B 1	B 2	S 1	S 2	S 3	S 4	E 1	E 2	A 1	A 2	I 1	I 2	I 3	I 4	L 1	L 2	L 3	L 4			
1	Universitat Internacional de Catalunya (UIC); Alfa and Beta Buildings, calle Iradier	Barcelona, Spain	x	x		x	x			x									x	x			17523.57 m ²
2	Universitat Internacional de Catalunya (UIC); Delta and Gamma Buildings, calle Terré	Barcelona, Spain	x			x	x			x									x	x			5301 m ²
3	Universitat Internacional de Catalunya (UIC); Sant Cugat Buildings	Sant Cugat, Spain	x			x	x			x									x	x			22968 m ²
Total																							46892,57 m²

————— Please compile one row for each building (or homogeneous part of it) by marking each requirement with a “X” —————

Smart building implementation: $\frac{\text{total smart building area}}{\text{total building area}} \times 100$

Total Building Area: $46892,57 \text{ m}^2 \frac{46.892,57 \text{ m}^2}{46.892,57 \text{ m}^2} \times 100 = 100\%$



Figure 1. Alfa and Beta Buildings, calle Iradier



Figure 2. Delta and Gamma Buildings, calle Terré



Figure 3. Sant Cugat Buildings

Additional evidence links:

Aerial photos:

1. Barcelona campus (calle Iradier):

Google Maps. (n.d.-a). [Calle Immaculada, 22, Barcelona]. Retrieved October 22, 2022, from

<https://www.google.es/maps/place/Troa+-+Garb%C3%AD+UIC/@41.4056163,2.1231225,129m/data=!3m1!1e3!4m5!3m4!1s0x12a4983e70621f3f:0xe94372f702b2b13d!8m2!3d41.4059499!4d2.1236685>

2. Barcelona campus (calle Terré):

Google Maps. (n.d.-b). [Carrer Terré, 11-19, Barcelona]. Retrieved October 22, 2021, from <https://www.google.es/maps/place/Carrer+de+Terré,+11,+08017+Barcelona/@41.4068466,2.1205013,183m/data=!3m2!1e3!4b1!4m5!3m4!1s0x12a4983c02aaeb9f:0xe69e46b612d00878!8m2!3d41.4068466!4d2.1210485>

3. Sant Cugat campus:

Google Maps. (n.d.-c). [Calle Josep Trueta, Sant Cugat del Vallès (Hospital Universitari General de Catalunya)]. Retrieved October 22, 2021, from <https://www.google.es/maps/place/Hospital+Universitari+General+de+Catalunya/@41.4749249,2.0424198,733m/data=!3m2!1e3!4b1!4m5!3m4!1s0x12a49116fde48c5d:0xdad481c777fc386c!8m2!3d41.4749249!4d2.0446085>