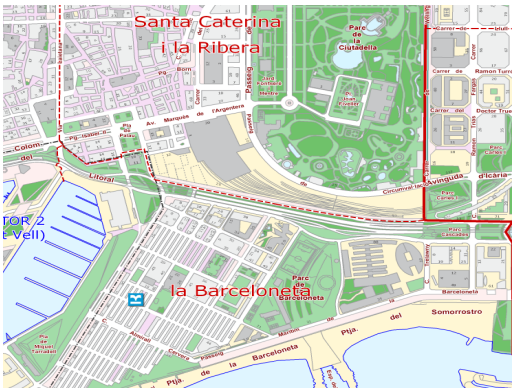
PRINCIPAL DATA

LIBRARY NAME:	Biblioteca Fraternitat (Barceloneta)				
DISTRICT Nº:	Districte 1	**DISTRICT NAME:**	CIUTAT VELLA	**BIM**	602799
ADDRESS:	Carrer Comte de Santa Clara, 8	**Total area**	806	**Library area**	687
HOURS:	T: Mon/Tues/Wed/Fri, from 3.30 pm to 8.30 pm M/T: Thurs 10 am to 8.30 pm			**Distribution:**	
Website:	http://w110.bcn.cat/portal/site/Biblioteques/menuitem.ba089d1b6812ed8cf740f740a2ef8a0c/?vgnextoid=2dd6c704a77ba310VgnVCM10000072fea8c0RCRD&vgnextchannel=2dd6c704a77ba310VgnVCM10000072fea8c0RCRD&lang=ca_ES				

	Use
GF	Loan service/newspapers and music and film
Upper GF	Management offices
F1	Children's and family area
Upper F1	Offices
F2	Information service/Art/Science/Restoration/Barceloneta
Upper F2	Philosophy/Geography/History/ICT/Games
F3	Novels, comics, literature/ multimedia area

LOCATION

How to get there



IMAGES

SUPPLIES:

	Principal	Reserve
Electricity	X	
Gas	-	
Water	X	

PRIMARY ENERGY CONSUMPTION:

Electricity	Consumption	Rate	Ratio
	Consumption 2012 (kWh) 106054	Cost 2012 (€) 20079,96	(kWh/m²) 154,37
	Consumption 2011 (kWh) 123714	Cost 2011 (€) 21907,18	(kWh/m²) 153,49
Gas	Consumption	Rate	
	Consumption 2012 (kWh) -	Cost 2012 (€)	(kWh/m²)
	Consumption 2012 (m³) -	Cost 2012 (€)	
	Consumption 2011 (kWh) -	Cost 2011 (€)	(kWh/m²)
Water	Consumption	Rate	
	Consumption 2012 (m³) 161	Cost 2012 (€) 477,85	(m³/m²) 0,23
	Consumption 2011 (m³) 156	Cost 2011 (€) 448,1	(m³/m²) 0,19

ENERGY MANAGEMENT DATA

The company has an energy manager
There is an energy-accounting procedure
There are meters for the main sectors
There is a centralised Control and Monitoring system
Previously energy audits have been carried out
There is an Energy/Emissions reduction plan
Other services:

Special features:

Redesigned Ground floor:
Unique building with dual levels

Closures

Facade with panes of ç3 facades (some windows with interior curtains, but the majority WITHOUT)
Stairwell skylight
F3 skylight

Electricity

General Distribution Boards (location on GF)
Sub-distribution boards (1 per floor)

Lighting

Types of lighting	open spaces GF	Fluorescent lighting
	GF upper, Upper F1	downlights (office)
		fluorescent lighting (technicians room and store)
	children's area F1	Induction fluorescent lighting NOT electrical ballast
	open space F2 + Upper F2+F3	fluorescent lighting
	toilets	incandescent light bulbs
Lighting control	open spaces GF	Use of magneto-thermal switches in the distribution boards
	staff areas in GF upper and F1	Using switches for turning lights on and off
	open spaces F1, F2, F3	Use of magneto-thermal switches in the distribution boards
	toilets	Using switches for turning lights on and off (dependent on users to switch lights off)
Lighting control		There is no type of control nor is there any timetable, vigilance, or natural light, etc.

Air conditioning and heating

Cold	YES
Heat	YES
Output system GF	System 1x1 (with exterior air contribution) condensation room rack / evaporation room GB
Distribution system GF	Network of tubes from each machine
Terminal elements GF	Vents to open space + office grills GF upper
Output system	4 ut Heat Pump ROCA YORK (cold and hot) Located on third floor the compressors are changed often
Distribution machinery (F1, F2, Upper F2, F3)	Ground Fan coil units with built in thermostat (YORK)

Air conditioning and heating

Ventilation

Air curtain at entrance doorway

Water

AF	YES	
ACS	No	
Toilets	Hand basin	Press taps (timed)
	WCs	Double flush