



Biblioteca de les Aigües Universitat Pompeu Fabra

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INTRODUCTION



We will talk about the **rehabilitation** of the **Pompeu Fabra's library**, which used to be a water deposit,
designed in **1874** by the head of construction **Josep Fontserè** and inaugurated in **1880**. The library
belongs to the Ciutadella Campus of the **Pompeu Fabra University**, built in **1990**.



Structure of the original building

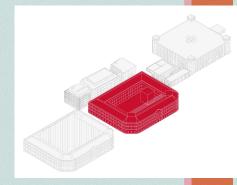
Water deposit

- Antoni Gaudí was in charge of the static calculation of the tank as a whole and the supporting elements
- Traditional structure, due to enormous loads that the water deposit had to bear and the height of the building
- Roman inspired style: Parallel arches of exposed brick factory wall, 1 meter thick, 14 meters high and 65 meters deep, which intersect in barrel vaults or arches.

Military barracks

 The Ciutadella barracks were designed from fixed modules, with rather elongated rectangular building wings, with a ground floor and two floors, with a two-sided roof, organized around a rectangular courtyard porch





Evolution of the building (previous uses)

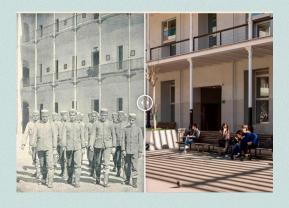
Aigües:

- Used as water deposit
- Regulate flow from the waterfall to water the Ciutadella park gardens
- Big library Pompeu Fabra University
- Great connections to other rehabilitated buildings in the university campus

Ciutadella military barracks:

- Roger de Llúria building
- Memorial homage to nearly one hundred and twenty professors people who were separated from the university (Francoist dictatorship)





At what point does the building fall into disuse?

- Established in 1880 as a water deposit.
- Uses of the building: fire warehouse, changing room and mobile park for the urban guard
- It was a **hospice** and a **municipal asylum** between the years 1896 and
 1977
- It became the property of Pompeu
 Fabra University in 1922
- In 1999 it was inaugurated as a library.
- <u>It never fell into disuse</u>



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Rehabilitation of the building

- Original structure
- Building parallel piped structure/Department floating prism
- **Structural rehabilitation**: consolidation, restoration, cleaning, painting, and reconstruction
- Linear park around the building with green areas and facilities
- Constructed: durable materials (<u>steel</u>). Military barracks (<u>brick, steel, glass</u>)
- **Building**: intended for classrooms, services, and dean's office. New classrooms and departments located in central courtyard.
- Rehabilitation not completed due to lack of funding







Three chimneys Sant Adrià de Besos

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INTRODUCTION

The San Adrián thermal power plant is known as the power plant with the 3 chimneys. It is located on the banks of the Besós river, in the municipality of San Adrián de Besós, in the province of Barcelona (Spain).



Use of the original building and its owner

- They generated between 25% and 30% of catalan electricity
- Currently in disuse
- Operational between 1973 until
 2011
- Current owner: FECSA



fecsa

Rehabilitation plan

- They wanted to destroy the chimneys but the town hall denied it
- Cultural Property of Local Interest
- 32 hectares next to the sea will lodge new households and parks



Rehabilitation plan





Let's wrap it up!

Conclusion

- The **1992 Olympic Games** held in Barcelona initiated the complete transformation of the city, and especially the urbanization of the *Poblenou* area.
 - The water deposit and military barracks are still in their original structure, but now they are being used as a library and classrooms of the *Pompeu Fabra* University
 - The Sant Adrià chimneys are currently part of a governmental project. Their idea is to remodel the area around the chimneys, keeping the towers as they are.



Erasmus+ ReACT