

61 Mondego Hotel

Largo das Ameias 3-4
PORTUGAL Coimbra

2018
 Finished

About

This is a refurbishment project for the Mondego Hotel. It was decided to maintain the perimeter walls, including the Art Deco façade, and demolish the entire interior. The construction of the new floor slabs is made with CLT panels. In addition, with this intervention, an extra floor was added.



Aerial view.



Historical façade.
 Global Art Deco <https://n9.cl/5192i>



Agents involved

Architect	Nuno Lopes		
Developer	Oliveira e Paiva		
Construction company	Unknown		
Structural engineer	Lluís Jorge		
Timber installer	TISEM	Timber manufacturer	Stora Enso



Construction process.
 Global Art Deco <https://n9.cl/5192i>



General

17* Height (m)	5 Floors above ground
Built-up area (m ²)	Ground floor area (m ²)
Budget (€)	€/m ²

Building use **Public Residence**



Exterior of the building.



Technical data

Mass Timber

Structural system

Bracing system

CLT walls

Timber products used

- CLT panels on walls and slabs

1 Concrete floors

4 CLT floors

0 Concrete-timber floors



Art Deco façade after demolition process.
TISEM <https://n9.cl/d917x>



Construction timing

12 Months to complete the building

3 Weeks to build the structure



Wind actions

Terrain category III

Area with regular cover of vegetation or buildings or with isolated obstacles with separations of maximum 20 obstacles heights (such as villages, suburban terrain, permanent forest)

Slenderness



CLT core.
TISEM <https://n9.cl/d917x>



Sustainability

Picea abies Wooden specie

250 Wood volume
(m3)

74 Potential CO2
benefit (t)
115

2600 Distance of
transportation (km)

Special
transportation
needed

75% Percentage of
structure made of
wood



Construction process. Laying of CLT panels on interior walls.

TISEM <https://n9.cl/d917x>



Construction process. Laying of CLT panels on interior walls.

TISEM <https://n9.cl/d917x>



References:

- TISEM. Online survey on 09.11.21.