



 **LOCATION**

Barcelona (Spain)

 **HEIGHT**

90 m

 **ALBA EQUIPMENT**

1 Passengers & material hoist

PMH

BARCELONA



MAIN CHALLENGE

This **Barcelona** project involved the construction of a **high-rise residential complex**, with interior and façade work progressing simultaneously. The site required equipment capable of:

TRANSPORTING HEAVY LOADS

Heavy **materials** and prefabricated elements at a rate matching multiple crews working simultaneously.

REACHING EXTENDED HEIGHTS

Reliable operation up to and beyond the building's **90 m roof level**, with capacity for **future extension works**.

SERVING PERSONNEL AND MATERIALS

Avoiding **separate hoist** systems to streamline logistics and reduce site congestion.

TECHNICAL SOLUTION

For the 90 m residential towers in Barcelona, ALBA chose the **PMH passenger & material hoist** mounted on a square **M650 mast**.

PMH

The **PMH** delivers a maximum load capacity of **3 200 kg**, combining worker and material transport in a **single cabin**. Its variable speed drive reaches up to **80 m/min**, halving vertical travel times compared to standard rack-and-pinion systems. Modular mast sections enable installations up to **350 m high**, comfortably covering the full building height and any future overruns.

This model can be available in a **double-cabin format** and features a **C door for rapid component loading**.

Additionally, **ALBA TELEMATICS** can be installed to enable **remote control** of the hoist for management, **diagnostics and proactive maintenance** purposes.

