Floor 5: energy saving opportunities

Torre Parc Joan Miró · 2026 consumption · occupancy measured from 1 Jan to 26 Oct 2026

FLOOR 5 · ENERGY SAVING OPPORTUNITIES

Up to 16% of the floor's energy cost can be saved without changing where most people work.

This report covers what we measured on floor 5: **how much energy it uses, how many people use it each day and each hour, and when space nobody occupies is being heated, cooled and lit**. From there, it lists the actions the platform proposes for this floor, with the estimated annual saving of each.

Occupancy comes from work laptops connected to the corporate wifi, counted in the zone where people usually work. No cameras or sensors are installed and nobody is identified.

THE BUILDING, FOR CONTEXT

8	424	468	1,069 MWh	€135,037
floors · 6,272 m²	workstations	regular occupants	annual consumption	annual energy cost

Floor 5

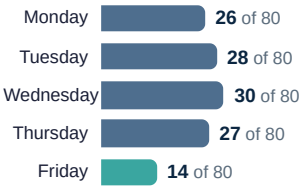
Area, workstations and full-year consumption.

Area	**782 m²**
Workstations	**80**
Assigned people	**90**
Measured regular occupants	**66**
Annual consumption	**203 MWh**
Annual cost	**€25,657**
Emissions	**23.3 t CO_2**
Consumption per m²	**260 kWh/m²**

It is **12.5% of the area** of the building and **19% of its consumption**: the floor that spends most per m² (the building average is 170). People who work here spend 6.5 to 7 hours on the floor and come in 3 or 4 days a week.

How each day is used

People at the same time at the busiest moment of each day. Average of 5 weeks, 21 Sep to 23 Oct. The line marks the 80 workstations.



Monday to Thursday the floor runs at around **35% of its workstations**. On Fridays it drops to **17%**. So far this year it has never exceeded 47 people at the same time.

How each hour is used

People at the same time across the whole floor, average for each hour. Average of the same 5 weeks.

	8h	9h	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h
M	7	18	23	24	24	24	12	9	7	7	6	2
Tu	10	26	27	28	28	27	14	12	10	9	7	2
W	11	29	29	29	29	28	13	8	8	8	6	4
Th	10	25	26	26	25	25	13	9	9	8	7	4
F	7	13	13	13	13	13	12	5	2	2	1	1

4 or fewer · 5–9 · 10–19 · 20–29 · 30 or more

Monday to Thursday the floor is busiest from 10:30 to 13:30 (23 to 29 people) and drops to 6–12 in the afternoon. On Fridays it does not exceed 13. **In green, 4 people or fewer**: there, heating and cooling can be turned down without closing anything, which is action 3.

Platform actions for floor 5

Estimated annual saving of each action, for the share that applies to floor 5. None requires building work or new equipment.

ACTION	KWH/YEAR	€/YEAR	T CO_2/YEAR	WHAT PUTTING IT IN PLACE INVOLVES
CAN BE APPLIED NOW, WITHOUT CHANGING WHERE MOST STAFF WORK				
1 · Close the floor on Fridays	18,057	2,247	1.97	There are about **14 people at the same time** on average (17 at most). They move to an open floor: over the 5 weeks measured, the building never exceeded 98 people on Fridays for 424 workstations. Heating, cooling and lighting on floor 5 are switched off.
2 · Close the floor in August	8,551	970	0.83	Over the 21 working days of August it had **4 people on average** and was **empty on 4 days**. The building never exceeded 145 people at the same time all month, against 315 on its busiest day of the year.
3 · Adjust heating and cooling to actual occupancy	3,990	497	0.43	Nothing closes: heating and cooling are turned down in each zone while it has 4 people or fewer, which here happens **half of the hours** in one of its two zones (mostly afternoons and Fridays, see hourly map). It needs to be connected to the HVAC system.
4 · Close Christmas week	2,592	333	0.26	A calendar decision, at no cost. The platform counts 5 working days; in 2026 there are 4 (28 to 31 December).
Subtotal	**33,189**	**4,046**	**3.49**	**15.8% of the floor's energy cost**
REQUIRE CONSOLIDATING FLOORS AND MOVING TEAMS THAT DAY				
5 · Close the floor on Mondays	18,057	2,247	1.97	Move about **26 people at the same time** (up to 30). Without floor 5 there are 344 workstations left and the building has not exceeded 315 all year. If floor 6 also closes, 289 are left: over the 5 weeks measured Mondays never went above 228, but the busiest day of the year would not have fitted.
6 · Close the floor on Wednesdays	18,057	2,247	1.97	Move about **30 people at the same time** (up to 33): its busiest day, though below half of its workstations. Without floor 5 there are 344 workstations left; over the 5 weeks measured, the building never exceeded 222 on Wednesdays.
Subtotal	**36,113**	**4,494**	**3.93**	**17.5% of the floor's energy cost**

Annual saving if all six actions are applied
At most, 33% of the floor's energy cost

€8,539	69 MWh	7.4 t
per year	per year	of CO_2 per year

- **Period.** 2026 consumption. Occupancy from 1 Jan to 26 Oct 2026 (no earlier data), working days from 8:00 to 20:00. Daily and hourly use come from 5 weeks, 21 Sep to 23 Oct, excluding the 24 Sep and 12 Oct public holidays; the hourly map takes occupancy at half past each hour. The Christmas closure has no measured occupancy behind it: December is outside the period.
- **Nature of the figures.** Savings are platform estimates based on measured patterns, not invoice amounts: they should be checked against the bills before setting targets. Some overlap (Fridays in August, or HVAC on days already closed), so the totals are a maximum.
- **Split across floors.** The August, Christmas, Monday and Friday actions also affect other floors; only floor 5's share is shown here. The HVAC action covers the whole building: 19% is assigned, floor 5's share of consumption.
- **Source.** iKnos, queried on 27 Oct 2026. Floor and zones: laptop-connected-recurrent-maxcountzone (regular work laptops, counted in the zone they visit most); building: laptop-connected-recurrent. Occupancy is a minimum: short visits are not counted. Figures rounded.