



UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

Escola Tècnica Superior d'Enginyeria  
de Camins, Canals i Ports de Barcelona



Urban Mobility



Co-funded by the  
European Union

# Master School General Business Meeting

Universitat Politècnica de Catalunya (UPC)

February 28th, 2025





UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

Escola Tècnica Superior d'Enginyeria  
de Camins, Canals i Ports de Barcelona



Urban Mobility



Co-funded by the  
European Union

## Talent Fair - Fall Edition

### Inspired by Futur Civil

- **Talent Fair** organized by the UPC's students - this year is the **27th edition** (will be held in May) and is aimed to all the students of the School of Civil Engineering.
- The **objective**: creating a bridge between companies and students - networking, finding internships, conferences, workshops, interviews, etc.

### Fall Edition

- **Specially addressed to the students of the Master in Urban Mobility.**
- Organized by the (local) students that within the I&E competences of the master.
- **Objective**: connection between companies and students, specially aimed to find internships where for 2nd year MUM students.



Cerca d'ofertes

## Ofertes de convenis

### (ID oferta: 13481) Títol de l'oferta: Pràctiques a l'Àrea de Mobilitat i Infraestructures del Transport de Barcelona Regional

**Informació oferta:** Barcelona Regional, agència pública de planejament estratègic, urbanisme i infraestructures al servei de l'Ajuntament de Barcelona, l'Àrea Metropolitana de Barcelona, el Port de Barcelona i el Consorci de la Zona Franca, com a principals accionistes, busca estudiants en pràctiques per donar suport a l'Àrea de Mobilitat i d'Infraestructures del Transport. L'estudiant s'integrarà en un equip multidisciplinari de professionals donant suport en les següents tasques: traçat, modelització i planificació d'infraestructures viàries i ferroviàries; estudis i informes en relació a la mobilitat i les infraestructures del transport; anàlisi de dades de mobilitat per a la presa de decisions; etc. Al llarg de l'estada, l'estudiant adquirirà coneixements tècnics sobre la xarxa ferroviària, viària i de mobilitat activa de l'entorn metropolità i regional, així com dels fluxos de mobilitat i la definició de polítiques públiques. També assolirà coneixements sobre diferents programes utilitzats en l'anàlisi i disseny de les infraestructures (CAD, SIG i traçat d'infraestructures) així com del paquet office, entre altres.

**Empresa:** BARCELONA REGIONAL, AGÈNCIA DE DESENVOLUPAMENT URBÀ, S.A.

**Població:** Barcelona **Jornada Laboral:** 5-6 hores diàries **Durada:** 6 mesos

**Titulació/s:** Grau en Enginyeria Civil 2020, Grau en Enginyeria Civil (Eng. de Camins, Canals i Ports), Bachelor's Degree in Civil Engineering, Grau en Tecnologies de Camins, Canals i Ports, Grau en Enginyeria d'Obres Públiques (Eng. Tècnica d'Obres Públiques), Màster en Enginyeria de Camins Canals i Ports, Màster en Enginyeria Civil, Màster en Enginyeria de Camins Canals i Ports (MECCP+), Màster Universitari en Mobilitat Urbana

**Requisits:** Coneixements generals sobre les infraestructures del transport i la mobilitat. Es valoraran coneixements en l'ús de programes de dibuix assistit per ordinador (Autocad, Microstation, etc.), programes de traçat de carreteres i ferrocarril (Inroads, Inrail o similars), de sistemes d'informació geogràfica (QGIS, Arcgis o similars) i interès en la mobilitat i les dades relacionades amb el transport. Català parlat i escrit correctament. Es busca una persona responsable, dinàmica, proactiva i que pugui treballar bé en un equip multidisciplinari d'especialistes dedicat a les infraestructures del transport i la mobilitat.

**Persona de contacte:** Noemi Torres

**Telèfon:** 93 223 74 00

**Email:** recursos.humans@bonregional.com

**Num places:** 1 **Data alta oferta:** 03/02/2025 **Data de caducitat:** 28/02/2025

### (ID oferta: 13413) Títol de l'oferta: Pràctiques a la Unitat d'Estudis (Estratègia i Transformació)

**Informació oferta:** Busquem una persona per incorporar-se amb conveni de pràctiques universitàries a la Unitat d'Estudis, integrada dins de l'àrea d'Estratègia i Transformació, donant suport al desenvolupament d'anàlisis de negoci per a la presa de decisions. La tipologia d'estudis que es porten a terme respon a les necessitats que la companyia té en cada moment, i van des d'anàlisis operatius acotats a problemàtiques molt concretes fins a plans estratègics d'alguna de les nostres unitats de negoci, passant per estudis de mercat o plans de viabilitat.

**Empresa:** BARCELONA DE SERVEIS MUNICIPALS, S.A.

**Població:** Barcelona **Jornada Laboral:** Parcial, matins **Durada:** 900 hores

**Titulació/s:** Grau en Enginyeria Ambiental, Grau en Enginyeria d'Obres Públiques (Eng. Tècnica d'Obres Públiques), Grau en Enginyeria Geològica (Eng. Geològica), Grau en Ciències i Tecnologies del Mar, Màster en Enginyeria de Camins Canals i Ports,



Cerca d'ofertes

Alta d'oferta

Validació d'ofertes

Planning de tribunals

Informes tutor

Informe fita 3a

Informe fita 3b

Atenea TFE

## Cerca d'ofertes de TFG/TFM

Cerca per paraula clau (al títol, descripció i feines bàsiques)

Text a cercar:

Cerca per atributs de l'oferta

Qualsevol titulació, incloent no vigents (desmarqueu per filtrar titulacions)



# Internships & Master Thesis

## Internships

- Within the [Portal Camins](#) intranet we have developed and promoted a digital platform to connect students with companies / master thesis proposals / master thesis directors.
- We are approaching companies which have hosted internships within the MUM, and others related to urban mobility initiatives..
  - Present the **Talent Fair** proposal
  - Ask for **new internship** proposals.
  - Help companies on how to upload their **internship offers** at *Portal Camins*

## Master Thesis

- We prepared a document describing the **areas of expertise** of all **professors** involved in the urban mobility field
  - The aim is to help the students find the professor that match their interests.
- We are contacting professors to **encourage** them to upload their master thesis proposals on *Portal Camins*.
  - There are currently 19 Master Thesis offers at *Portal de Camins*
- We will contact the students to explain to **how to find** the Master Thesis in *Portal Camins*



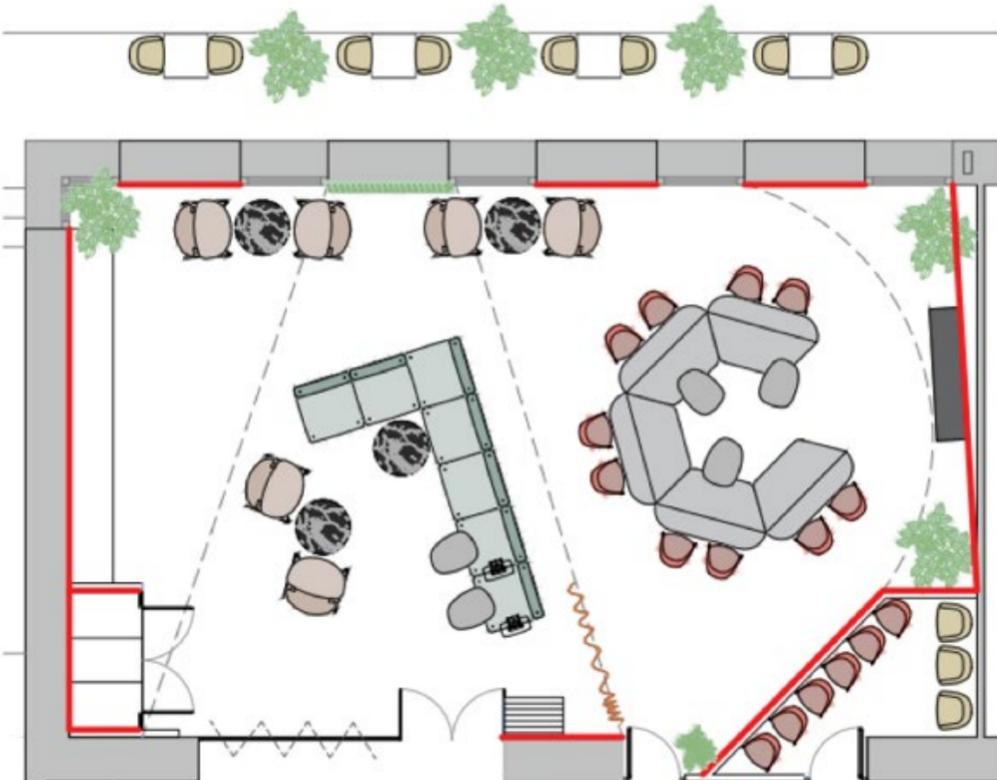
UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH  
Escola Tècnica Superior d'Enginyeria  
de Camins, Canals i Ports de Barcelona



Co-funded by the  
European Union

## Improved facility

- Multi-purpose room aimed to **create stronger bonds with the sector** and **networking** with the companies.
- It is currently being designed.



# Extracurricular activities to complement the learning process of the students



## First visit: ATM Headquarters

### Opportunity to visit the **Tram Works in Avinguda Diagonal**

- Hosted by Mr. **Eduard Cabrera**, Head of Infrastructure Management at the Metropolitan Transport Authority.
- The students got an inside look at how Barcelona is advancing toward a more sustainable future.
- The visit started at the **ATM headquarters**, where students learned about the technical aspects of the project, followed by an **on-site walk** to see the works in action.





# Extracurricular activities to complement the learning process of the students



## Second: La Clariana

Opportunity to visit the change of “La Plaça de les Glòries”

- Hosted by Mr. **Josep Melero**, from the Barcelona City Council.
- The students got the chance to know the **sustainable solutions** that have been implemented in the transformation of this historic road junction.
- The students got to know how SUDS, solar pavement, biodiversity and green connectivity for a **better urban mobility** were used in the project.

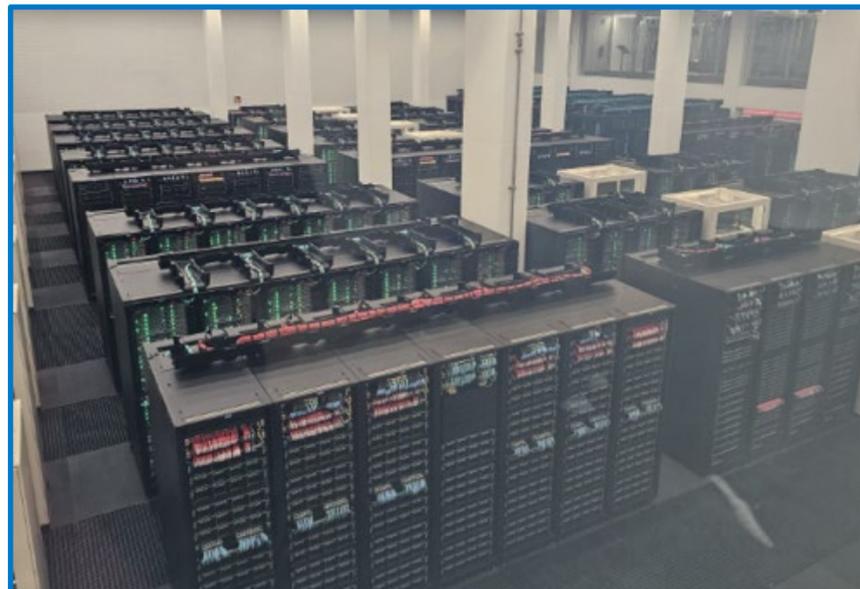


## Extracurricular activities to complement the learning process of the students

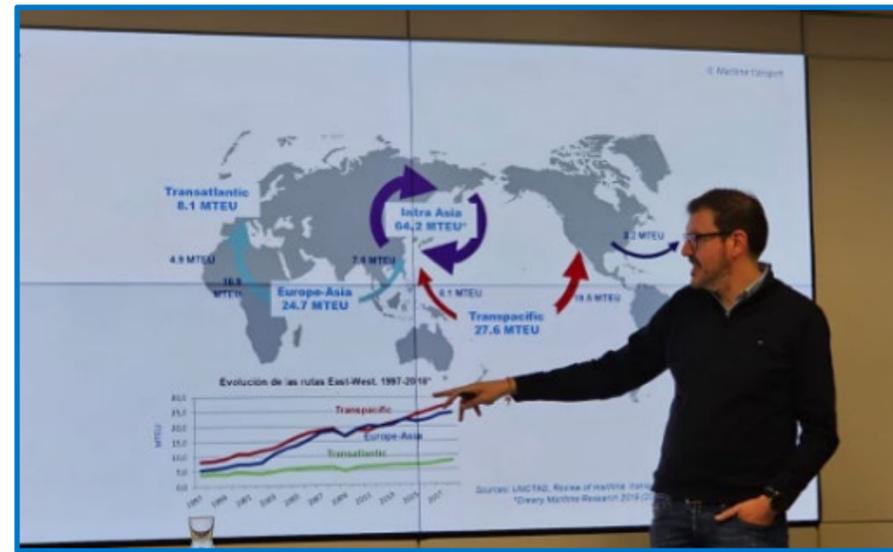
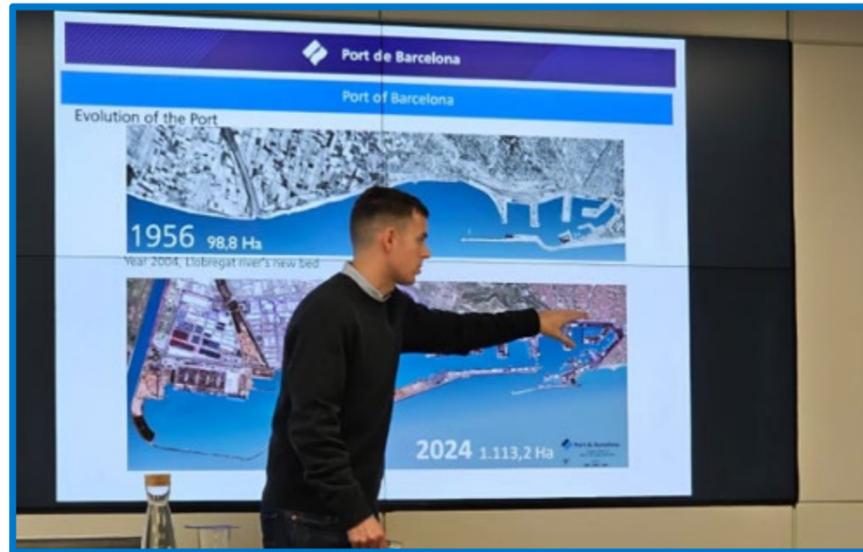


### Third visit: Barcelona Supercomputing Center (BSC)

- The students discovered **MareNostrum 5**, the most powerful supercomputer in Spain es (314 petaflops, 2 petabytes of RAM), ranked 3rd in Europe and 8th worldwide.
- Moreover, they had the chance to explore the impressive **Quantum Spain**, a cutting-edge resource driving advancements in quantum computing and its applications in Artificial Intelligence.



# Extracurricular activities to complement the learning process of the students



## Fourth visit: Port of Barcelona

- Hosted by:
  - Mr. **Àlex Peralta**, Head of Port Operations,
  - Mr. **Andoni Bengoetxea**, Territorial Planning Engineer and Technical Management of Concessions.
- The students gained valuable insights into how the Smart Port operates as a cornerstone of global trade and urban mobility in a sustainable and efficient way.



## Extracurricular activities to complement the learning process of the students



### Fourth visit: Ongoing construction of La Sagrera Station

- Hosted by Mr. **Luís Ubalde**, civil engineer and technical coordinator of the project.
- Located at the northern entrance to the city, this station is set to become a key mobility hub, connecting various transportation modes in one central space.
- The students got to know how the **project is developing** and how one space will be able to operate different methods of transportation in a more connected, efficient and sustainable urban environment.



## Extracurricular activities to complement the learning process of the students



### Fifth visit: Visit to the BICING bike sharing for Barcelona

- Visit to the Headquarters of the Bicing bike sharing service for Barcelona, in the "Pedalem Barcelona" building. Pedalem Barcelona is the company in charge of the manufacturing, installation and operation of the BICING urban transport service, based on the shared use of mechanical and electric bicycles in the city of Barcelona. Pedalem serves more than 120,000 users and manages 7,000 bicycles (6,000 mechanical and 1,000 electrical) and 519 stations.





UNIVERSITAT POLITÈCNICA DE CATALUNYA  
BARCELONATECH

Escola Tècnica Superior d'Enginyeria  
de Camins, Canals i Ports de Barcelona



Urban Mobility



Co-funded by the  
European Union

# THANK YOU!

---

Universitat Politècnica de Catalunya (UPC)

February 28th, 2025

