

22 e 23
OUTUBRO

encontro de computação avanzada 2025



Universidade de Aveiro,
Edifício da Reitoria

FCCN | fct

CNCF



Parceiros:

comudel



Apoios:



Aveiro Tech City Living Lab

Susana Sargento (susana@ua.pt)

Dep. Eletrónica, Telecomunicações e Informática, Instituto de Telecomunicações
Universidade de Aveiro



Parceiro:



Apoios:

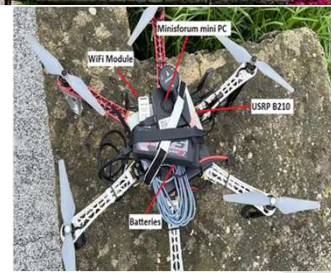
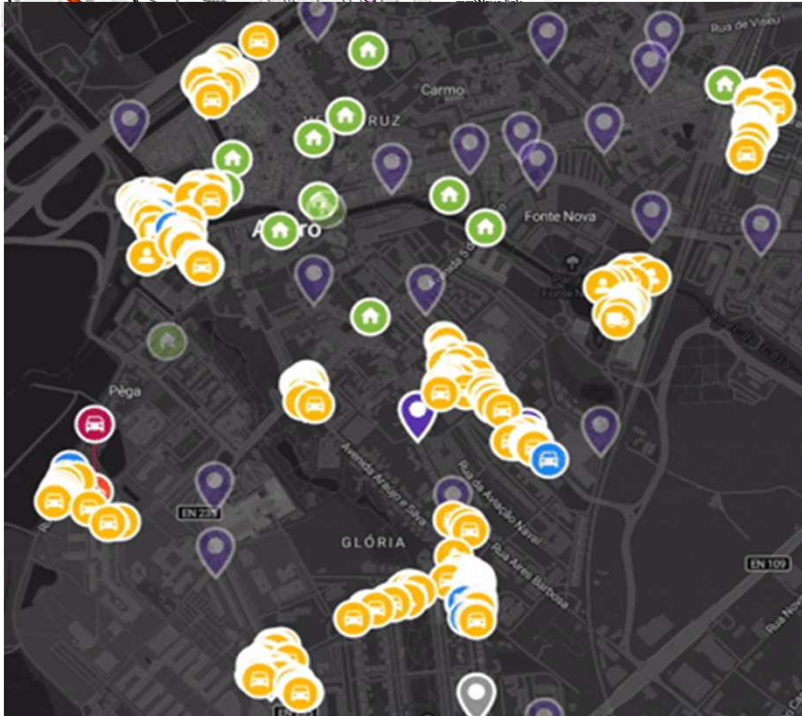
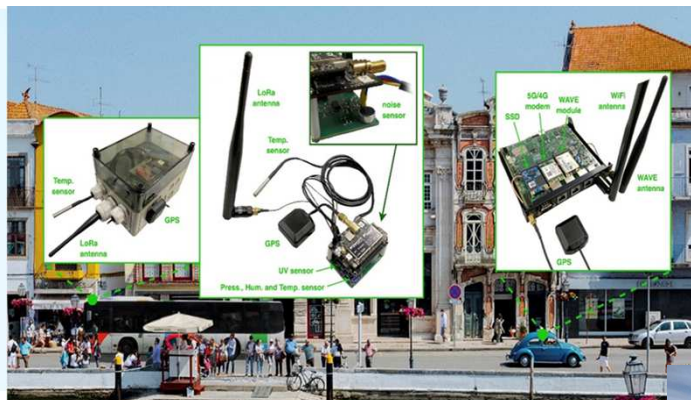




Smart Lamp Post (ITS-G5, C-V2X, 5G, Wi-Fi, LoRa)+mmWave+ sensors

Environment sensing, and OBU installed on vehicles

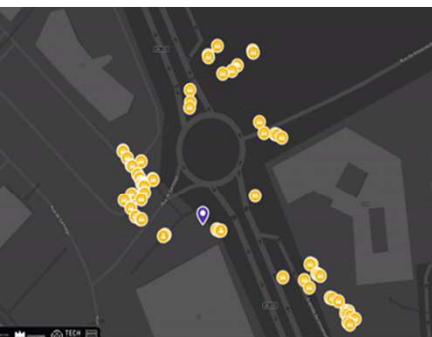
<https://new.aveiro-living-lab.it.pt/realtime>
Free Technological Zone (ZLT-Aveiro)



Cidade de Aveiro (05-06/06/2025)



Computer Vision

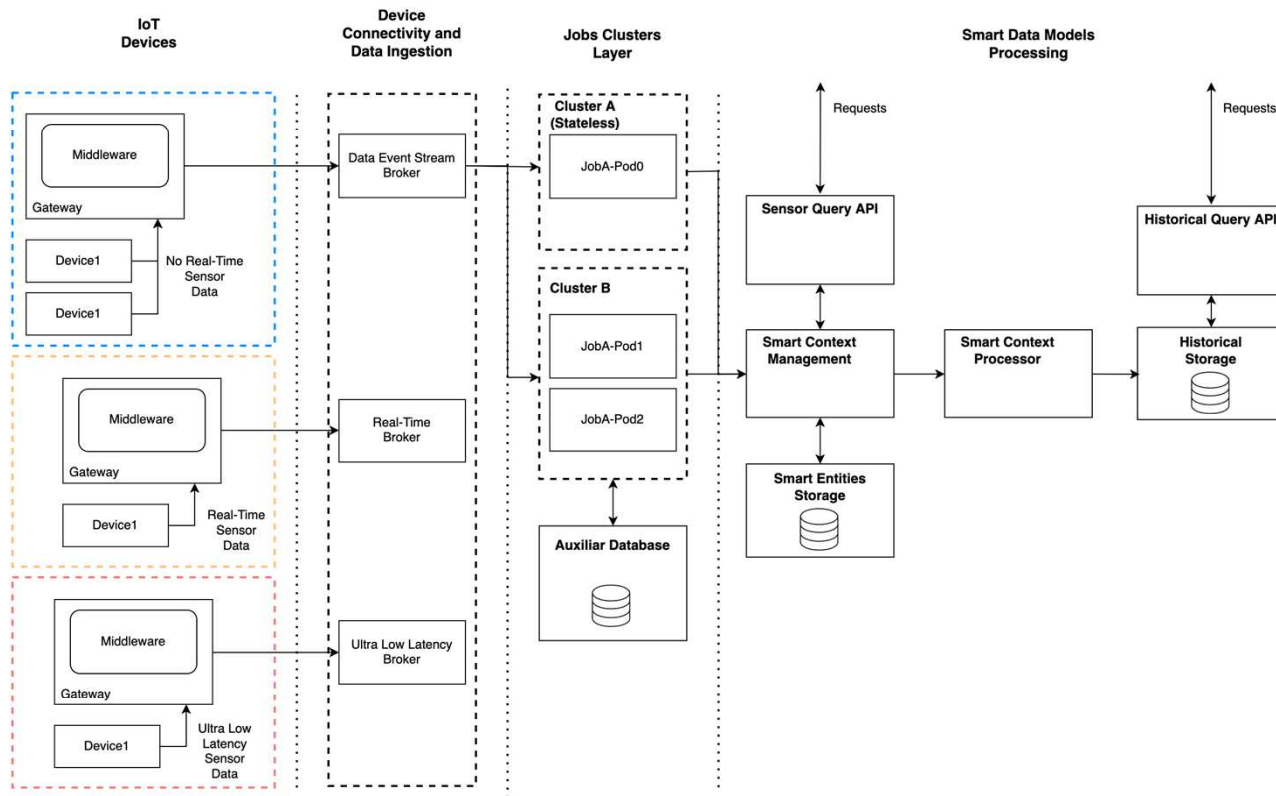


ATCLL Camera Dashboard
Real-time monitoring system

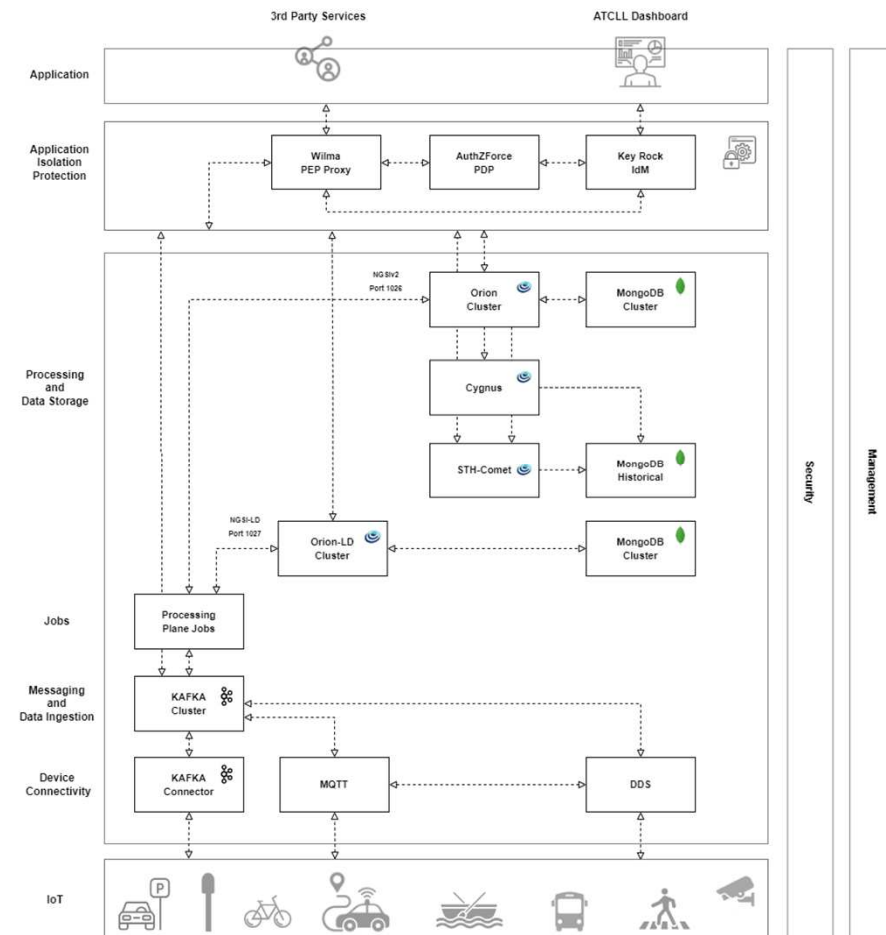
Total Cameras: 48
Active Cameras: 48
Inactive Cameras: 0
Alerts: 0

Camera ID	Status	Model	Server IP	Acquirer IP	Last Update
P1-1	ACTIVE	yoloV8 engine	10.0.2.15	10.0.2.15	10:28:15
P1-2	ACTIVE	yoloV8 engine	10.0.2.15	10.0.2.15	10:28:15
P1-3	ACTIVE	yoloV8 engine	10.0.2.15	10.0.2.15	10:28:15
P1-4	ACTIVE	yoloV8 engine	10.0.2.15	10.0.2.15	10:28:15

Cloud



AVEIRO
TECH CITY
living lab

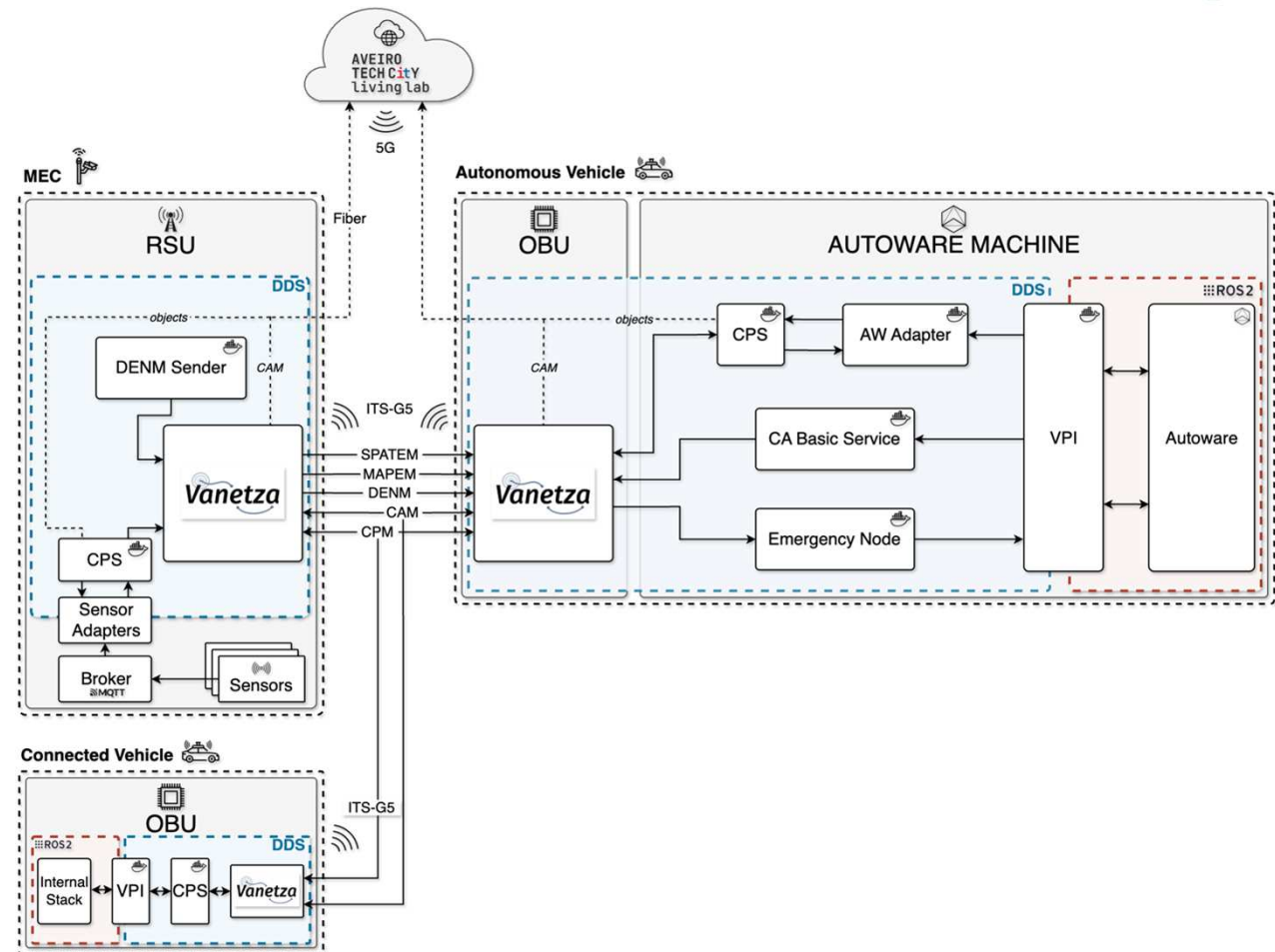
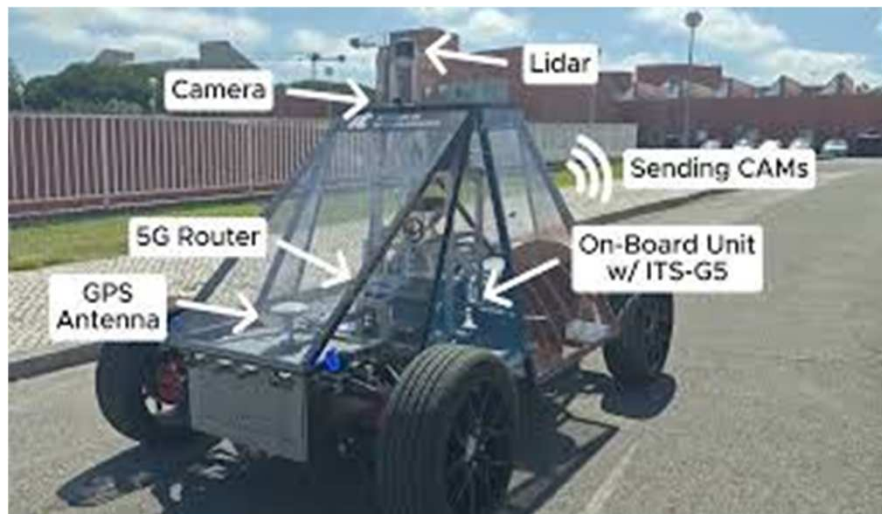




Far Edge

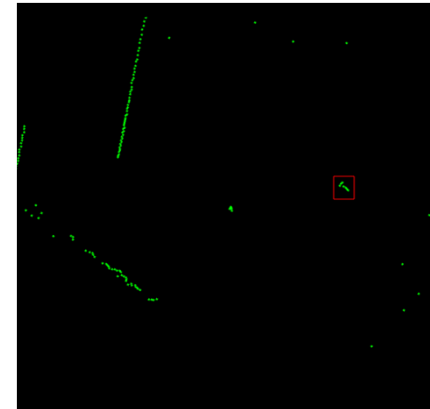


Veículos

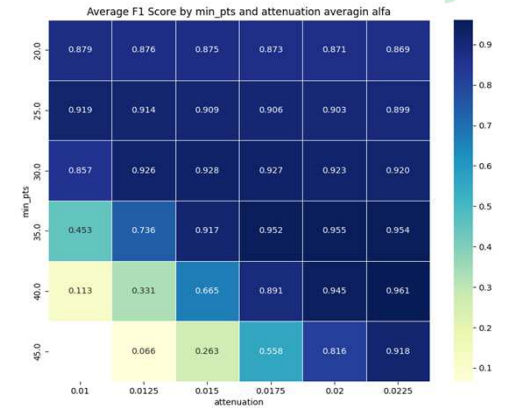


Far Edge

Bicicletas
UAVs



LIDAR point cloud with L-Shape
detection of one car.

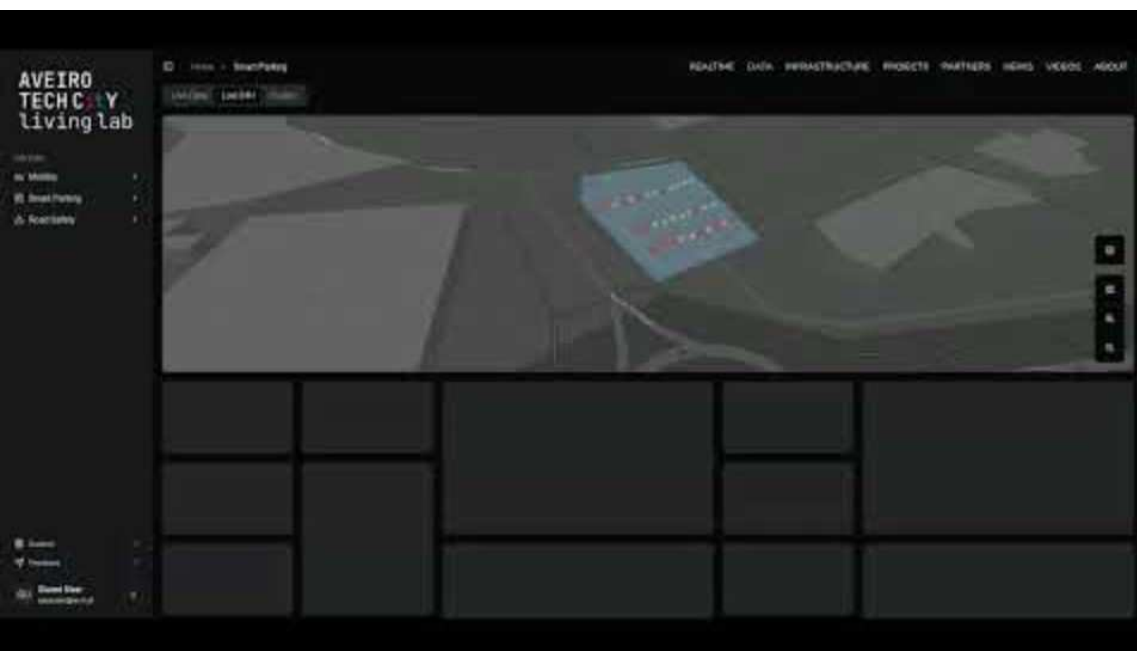


F1-Score of LIDAR detection

<https://www.youtube.com/watch?v=8KCnaPVJTUs>



Exemplos de Aplicação



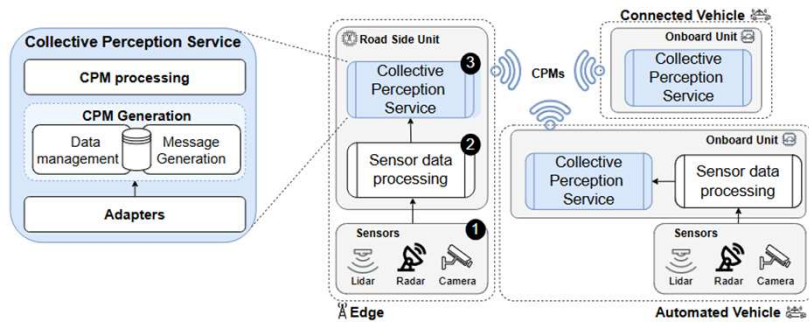
City Platform that support use cases such as smart parking, mobility and road safety, based on V2X monitoring, and city sensing
<https://www.youtube.com/watch?v=Frm9vUpjOaE>



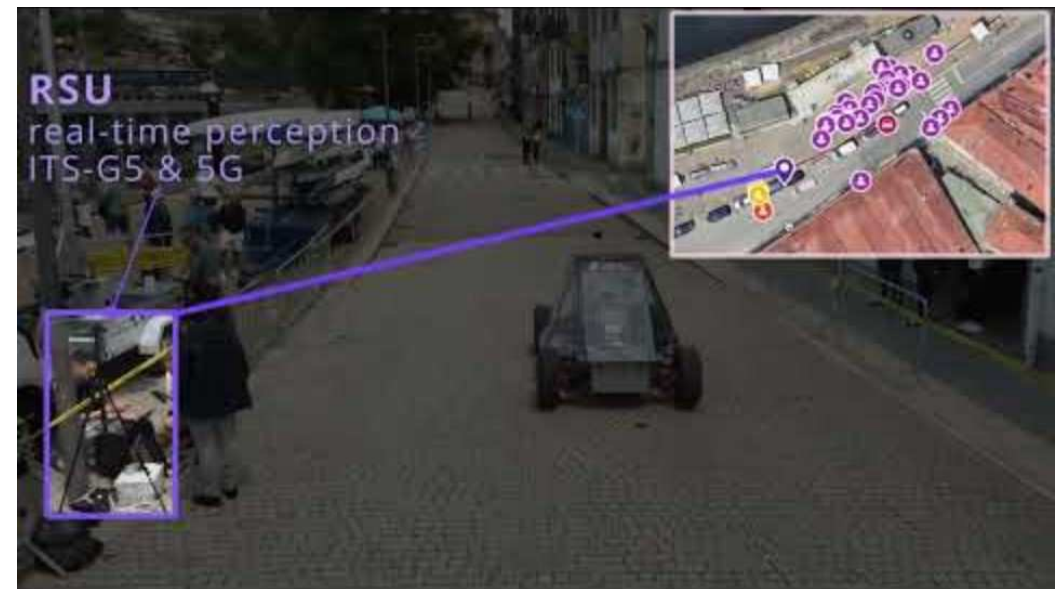
Digital twin
<https://www.youtube.com/watch?v=ug8WInNdn-s>



Exemplos de Aplicação



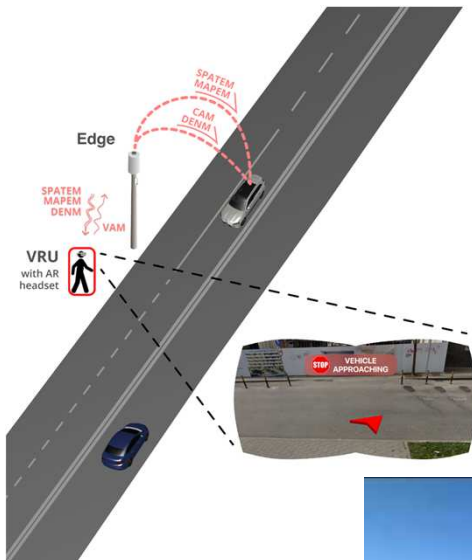
<https://youtu.be/ePclc4O1gk8>



<https://www.youtube.com/watch?v=vKSeLnqCKoQ>

Exemplos de Aplicação

<https://www.youtube.com/watch?v=837cFBvnPX4&list=PLQyL2FAp3-uOQZykDRQ-z4PwwF0lqRdBM&index=3>



<https://www.youtube.com/watch?v=cYHqxrIKcZg&list=PLQyL2FAp3-uOQZykDRQ-z4PwwF0lqRdBM&index=2>

Computação Avançada: Cloud/Edge Privada e Pública



Obrigada.

Para mais informações sobre os serviços da FCT, desenvolvidos pela FCCN, consulte fccn.pt ou faça *scan* ao *QRCode*.



fccn.pt/servicos

Thank you.

For more information about FCT services developed by FCCN, visit fccn.pt/en or scan the QRCode.



fccn.pt/en/servicos