

gemminis

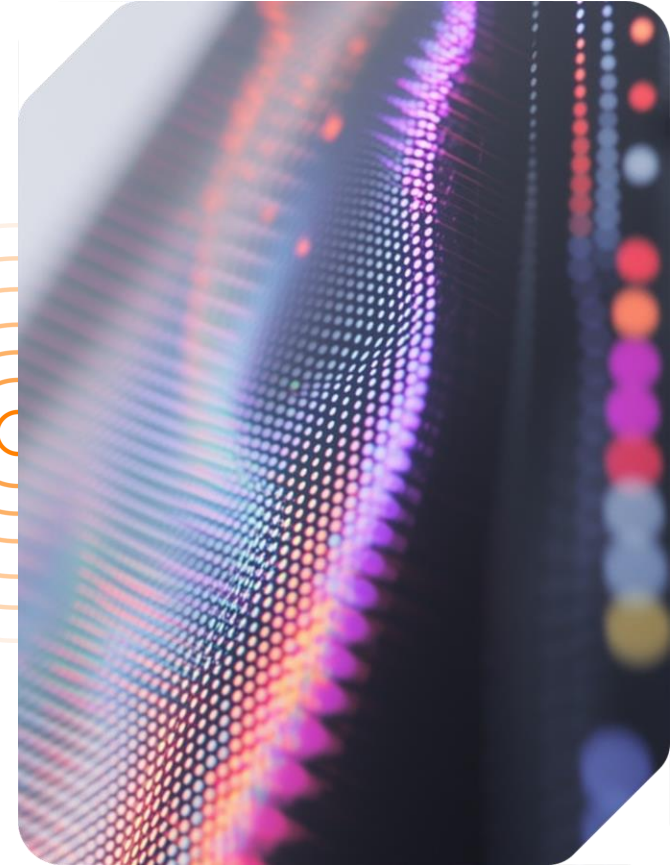


مجموعة التحالف العصري
Modern Alliance Group



AI Digital Inventories

Digital inventories through **Artificial**
Intelligence 



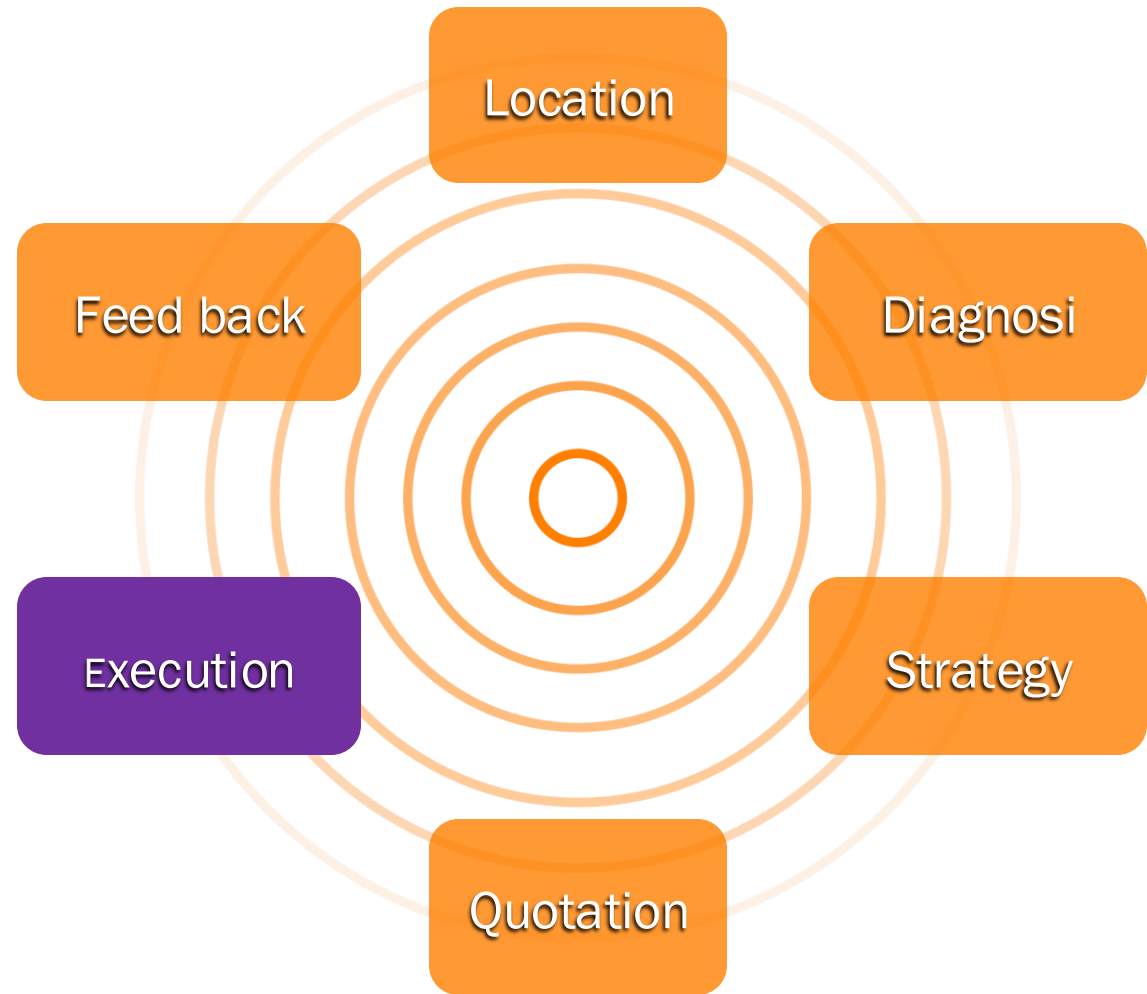


This is about data

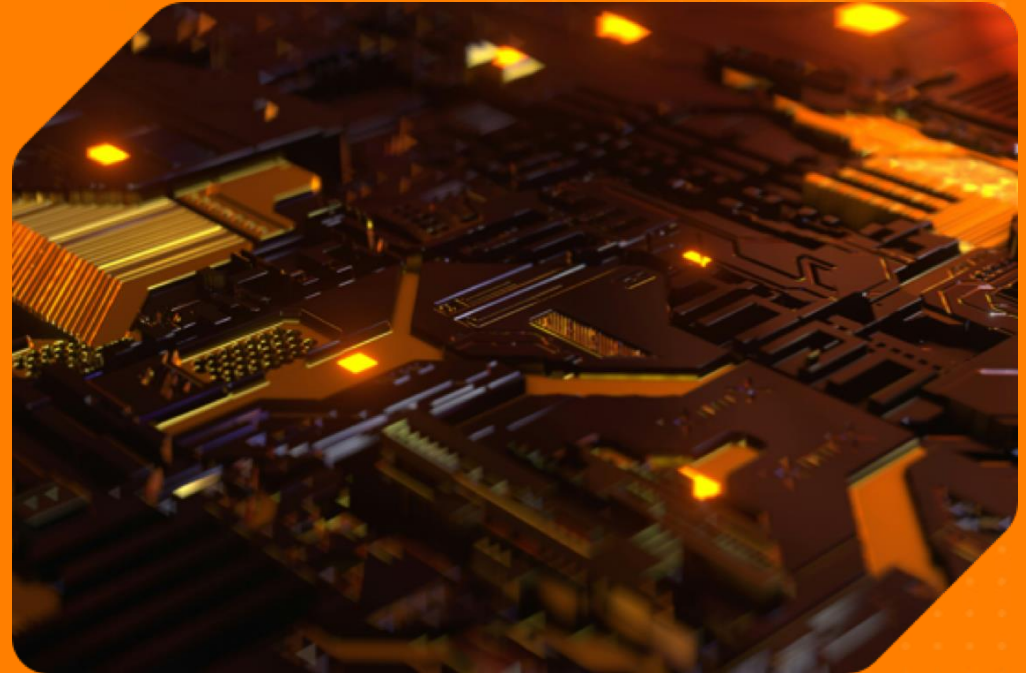


What's about?

Data, data, data ➤



How we do it? ↗



gemminis technology

Image acquisition system



Electric vehicles (EVs)



- Bifocal camera
- High-precision GPS system
- Inertial Navigation System (INS)
- Integrated CPU
- Remote internet connectivity

02. Data processing

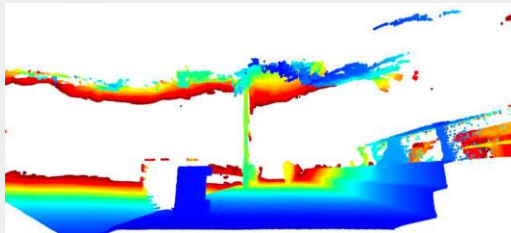
Georeferenced image ↗



Segmentation ↗



Geographic coordinates ↗



GEMMINIS Ensures highly efficient data capture

GIS data base ↗

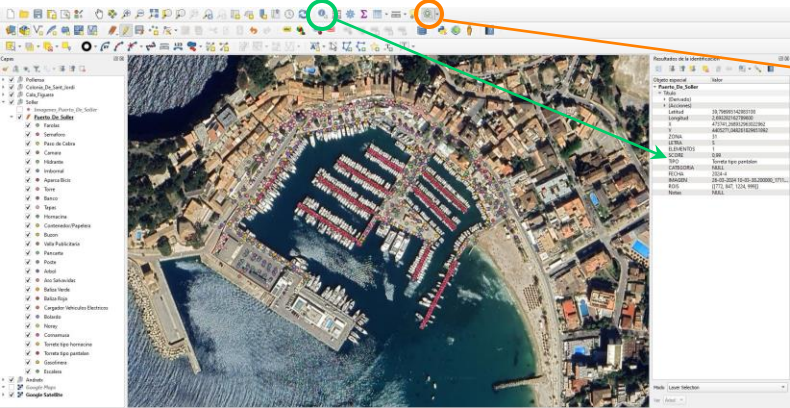


Data visualization and validation ↗





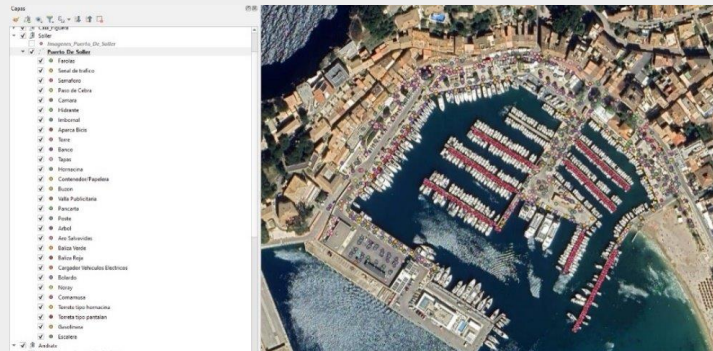
Latitud	Longitud	X	Y	ZONA	LETRA	ELEMENTO	SCORE	TIPO	CATEGORIA	FECHA	IMAGEN	ROIS	Notas	Puerto
39.7973904	2.6940153394	473804.1877	4405314.710	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-19.200000_171	[[1033; 973; 1075; 1009]]		Soller
39.7974040	2.6940254869	473805.0616	4405316.214	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-19.200000_171	[[11007; 1504; 1055; 1555]]		Soller
39.7974185	2.6939929978	473802.2856	4405317.830	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-21.700000_171	[[11042; 1490; 1088; 1545]]		Soller
39.7974051	2.6939819442	473801.3342	4405316.340	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-21.700000_171	[[11070; 846; 1121; 919]]		Soller
39.7974343	2.6939641704	473799.8237	4405319.591	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-23.700000_171	[[11050; 1608; 1110; 1658]]		Soller
39.7974210	2.6939524142	473798.8122	4405318.117	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-23.700000_171	[[11033; 961; 1100; 1010]]		Soller
39.7974354	2.6939227476	473796.2779	4405319.734	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-25.700000_171	[[11046; 934; 1100; 1000]]		Soller
39.7974483	2.6939341827	473797.2617	4405321.150	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-25.700000_171	[[11046; 1555; 1113; 1619]]		Soller
39.7974560	2.6938965096	473794.0394	4405322.017	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-27.200000_171	[[11025; 1414; 1071; 1457]]		Soller
39.7974421	2.6938881592	473793.3192	4405320.480	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-27.200000_171	[[11046; 891; 1096; 929]]		Soller
39.7974725	2.6938689296	473791.6844	4405323.850	31	S	?	0.99	Cornamusa		martes, 26 de marzo de 2024	26-03-2024 10-08-29.200000_171	[[988; 1395; 1036; 1438]]		Soller



Dedicated visualization tool for
sidewalks, pavements, and port
platforms



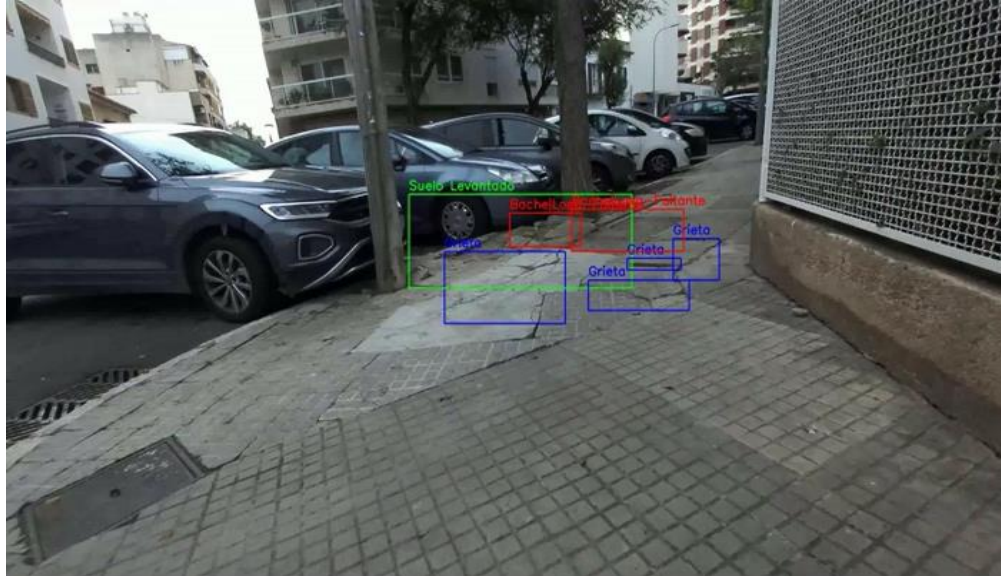
- Tree
- Traffic signs
- Pedestrian crossing
- Bench
- Bicycle rack
- Billboard
- Storm drain
- CCTV camera
- Fire hydrant
- Niche
- Mailbox
- Green beacon
- Red beacon
- Electric vehicle charger
- Manholes and handholes
- Phone booth
- Pothole
- Streetlight
- Utility pole
- Cell tower
- Traffic light
- Litter bin
- Waste container
- Bollard
- And many more elements...

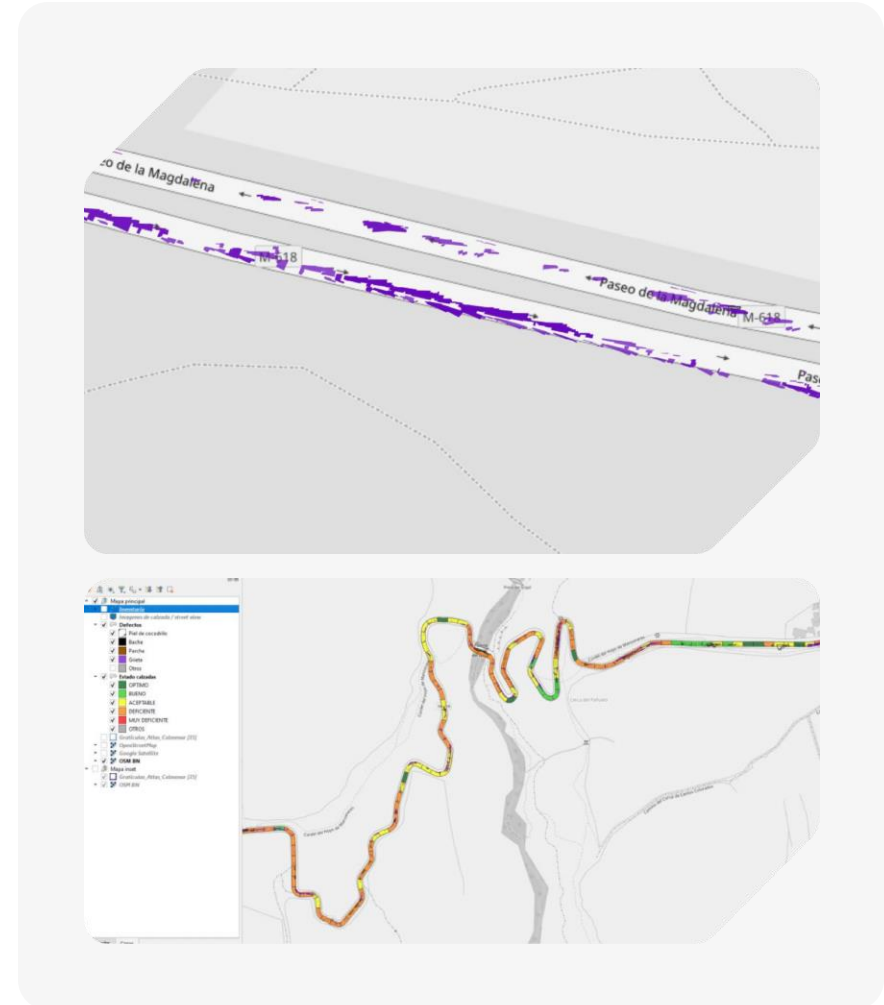


Inventories

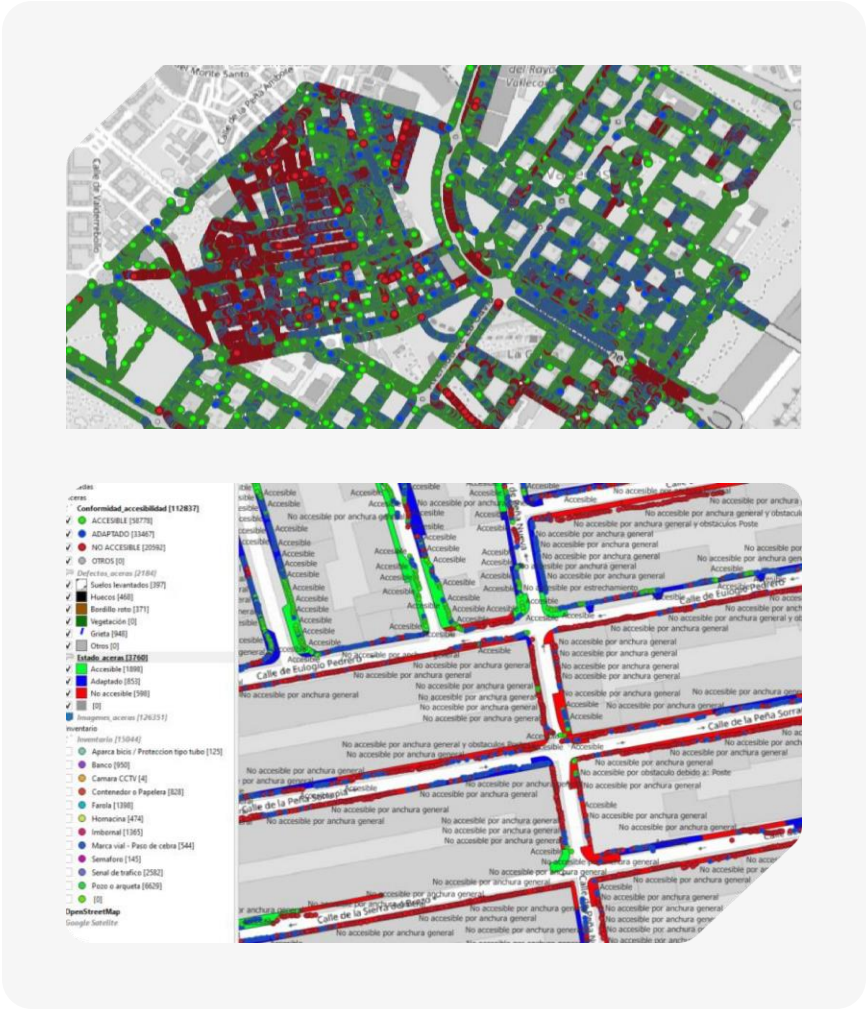
With semi-automatic recognition,
enabled by the implementation of AI.

Conditions and Types of Sidewalks Pavements





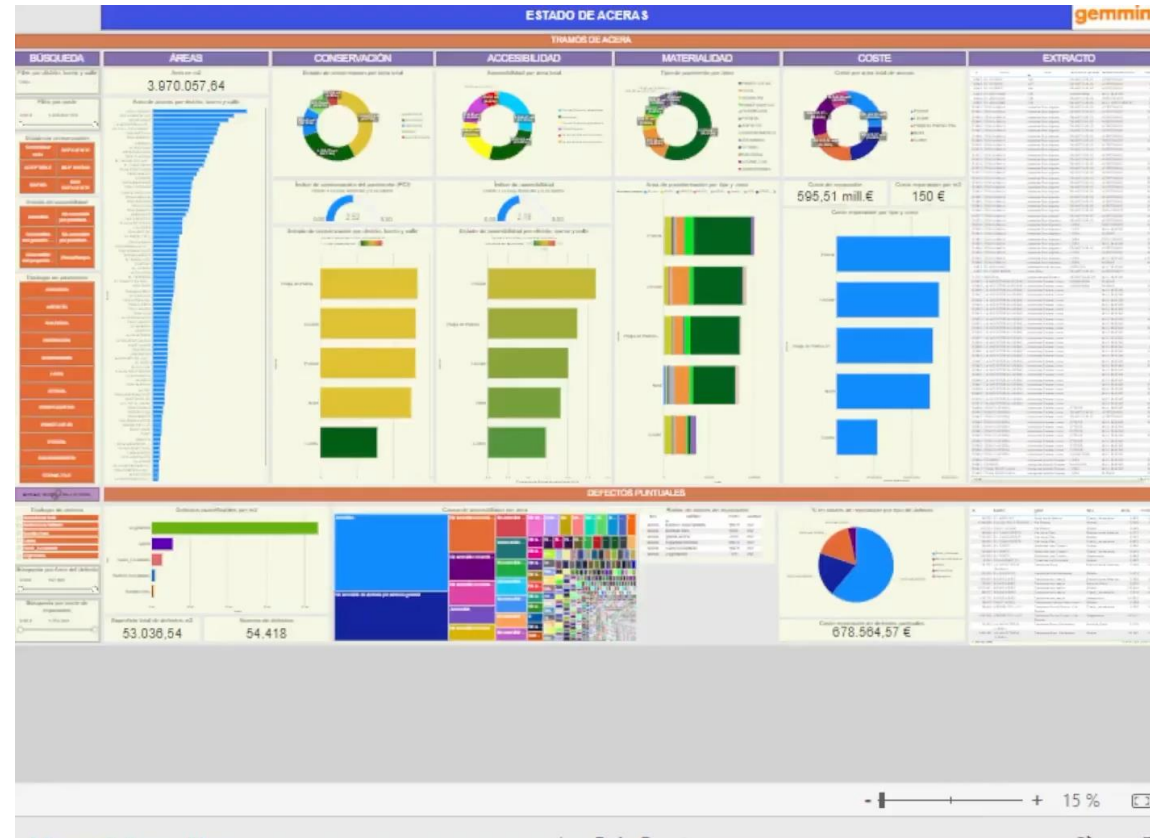
Accessibility Conditions for PRM





Data Management ↗

Data
management
powered by
Power BI



Powered by
Power BI



Our clients ↗



Intended Users of Gemminis



Infrastructures manager



Government teams

Our clients



MADRID



Ajuntament de Palma



Ajuntament de
Sant Antoni de Portmany



Ajuntament de
Sant Feliu
de Llobregat

 Ports IB



Asociación
Española de la
Carretera

+3.500 km Sidewalks

+2.500 km Roads

Technology Readiness Level TRL-9



Thanks ↗



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gemminis

www.mag.sa

+966 55 109 1199

www.gemminis.io

info@gemminis.io

+34 971 761 150

