

Smart Transportation

We guarantee the reliability and safety of sustainable mobility services for people, goods, and infrastructure based on data

What is happening

The strong impetus towards digitisation triggered by the Covid-19 pandemic is changing the way we transport people and goods. New technologies, combined with the need to rethink urban mobility as well as road, air, and port transportation, are making data increasingly important. It is thanks to their exploitation that digital ecosystems are created to establish new connections between users, means of transport, and infrastructures.

Upcoming challenges

The diffusion of a new and sustainable form of mobility is one of the cornerstones of every government. The immediate future, however, will have to contend with the ongoing pandemic crisis and a drastic reduction in the demand for transport. AI & Advanced Analytics, IoT, and Digital Twin will be among the technologies that will help us to understand and predict new ways of travelling, make infrastructure safe, redesign models.

Our approach

Our strong position in the Smart Transportation sector offers unique experience and value to customers and their users. We combine a wide range of innovative technologies, a proven track record in project management, strong expertise on core processes, as well as reliable IT infrastructures and powerful software applications. We guarantee the reliability and safety of sustainable and data-based mobility services for people, goods, and infrastructure.



[Leggi il White Paper](#)

Any idea of innovation must make us ask a simple question: what are the effects of this innovative process? Bringing together business and technology, we at Engineering support the creation of mobility ecosystems that are capable of renewing the concept of movement and all services linked to transportation. Our aim is to enable modular solutions to provide digital services covering everything from city access and parking payments to the sustainable care of vehicles and infrastructure, always putting the traveller at the centre of this ecosystem.



Paola Poli

Director Transportation and Infrastructure Division, Engineering

La nostra value proposition



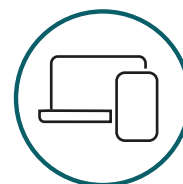
DESIGN & BUILDING

We support our stakeholders from the first stages of the planning and construction of transport infrastructures.



OPERATION & MAINTENANCE

We provide solutions that range from diagnostics to the proactive and automated maintenance of modes of transport to the management of infrastructures.



SERVICE

We develop solutions with user functionality for use in different operational contexts that are relevant to infrastructure and transport managers.

What we do

Rail



We carry out countless projects for both large-scale infrastructure managers and local public transport operators. Our solutions range from maintenance management to the monitoring of unattended critical infrastructure. We bring together the world of infrastructure with that of logistics and workshops, to ensure that the whole chain is efficient and optimised.

Road



We implement highly customisable traffic management and tunnel management systems and solutions, ranging from the management of ancillary services to physical security systems based on complex video analysis, to the supervision and remote control of plants and equipment, mechanical and electrical systems. We are the technology partner for all EPCs, including in international contexts.

Airport



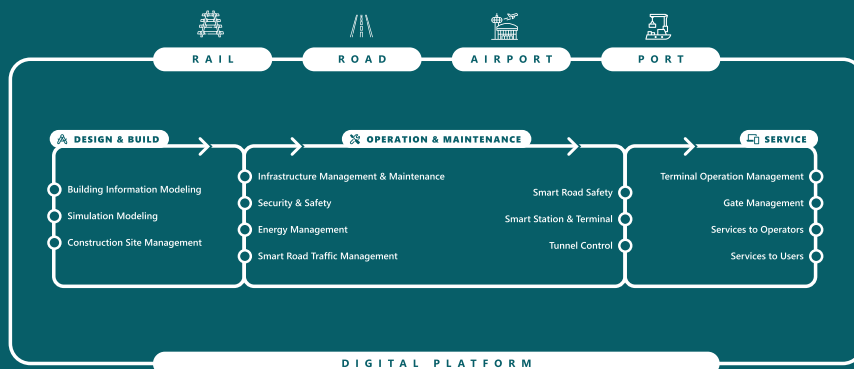
Our integrated solutions provide a concrete response to the changing needs of the sector: from flight information display systems to resource planning simulation and fuel management systems. We guarantee computer security and the protection of data, safeguarding the systems that support infrastructure and services for travellers.

Port



We implement management solutions for the operation of port terminals. We build systems for physical security, baggage and cargo handling, infrastructure monitoring and maintenance. We provide port systems (container, Ro-Ro and cargo terminals) with solutions integrated with rail services for the rapid transfer of goods and the recovery of port space. We carry out 3D reconstructions of the port area with simulations of the environmental impact.

Our Portfolio for Smart Transportati



Scopri la Portfolio Map e i nostri Case Study

ENABLING SERVICES	Technology & Cloud Services	Business & User Services	IT Consulting	Mobile Applications	UX & Service Design	Digital Communication & Strategy		
ENABLING TECHNOLOGIES	AI & Advanced Analytics	Cloud	Cybersecurity	IoT	Intelligent Automation (RPA)	AR / MR / VR	Blockchain	Digital Twin

THE WORLD WE LIVE IN

- AUGMENTED CITY
- SMART ENERGY & UTILITIES
- SMART TRANSPORTATION
- DIGITAL MEDIA & COMMUNICATION

THE WORLD WE WORK IN

- DIGITAL INDUSTRY
- DIGITAL FINANCE
- DIGITAL RETAIL & FASHION
- SMART AGRICULTURE

THE WORLD THAT LOOKS AFTER US

- SMART GOVERNMENT
- E-HEALTH
- DIGITAL DEFENSE, AEROSPACE & HOMELAND SECURITY