

STA Certified Programme in Intelligent Transport Systems (ITS)

The overall objective of the **STA Certified Programme in Intelligent Transport Systems** is to provide participants with a broad understanding of the main Intelligent Transport Systems (ITS) measures available in the light of *international best practices*.

The course not only provides a comprehensive analysis of the **state-of-the-art** in the field, but also studies in detail **practical cases** and brings insight into the accompanying **regulatory and standardisation strategies** required to secure the deployment of up-to-date road-related ITS solutions.

Up to 50 participants	Duration: 2 days (16 hours)
Target groups <ul style="list-style-type: none">▪ Transport Ministries▪ Road Directorates▪ Road research laboratories▪ Engineering consultancies▪ Road equipment manufacturers▪ Contractors / concession operators▪ Students (departments of civil & mechanical engineering)	Areas of knowledge <ul style="list-style-type: none">▪ Review of user-oriented, practical and accessible ITS systems that go beyond the elaboration of the “usual” ITS studies, analysis and strategies. The binomial ‘enforcement agents - cameras & radars’ approach evolve by fully utilizing the data available from a variety of sources (sensors, Bluetooth, license plate recognition, satellite, etc.).▪ Strategies for a greater optimisation of the existing infrastructure capacity.▪ Utilization of ITS systems to facilitate freight and passenger transfer between the different transport modes, which can be coordinated more efficiently in order to cut transport times and costs.▪ Deployment of more sustainable and more efficient mobility scenarios that benefit from car industry development.▪ Potential of cooperative systems to integrate data generated by both vehicles (V) and the infrastructure itself (I) and provide high-quality services.
Outcomes <ul style="list-style-type: none">▪ Define the role of ITS solutions in the context of a safe, sustainable and intelligent operation of road traffic▪ Understand and assess the potential of the different ITS technologies available▪ Decide which ITS solution is most appropriate for a given situation▪ Build and implement comprehensive ITS deployment strategies▪ Decide the most appropriate regulatory and standardisation courses of action	