

## Simulation Model and Strategic Planning in the Vehicle Inspection Market



- Background: Atecsa, a Spanish vehicle inspection service provider owned by Nmás1, was looking to open new inspection centers to improve service in the area covered by the company
- Assignments: BCS developed a detailed analytical model to determine the evolution of the demand for vehicle inspections in the region served by the client
  - Estimated the evolution of demand per province and vehicle type, taking into account economic variables and social trends
  - Developed a dynamic model to determine the individual market potential, to simulate the geographical distribution of demand and to determine optimal locations for new centers
- Results: Atecsa incorporated BCS's findings into its business strategy
  - New locations were chosen based on the output of the model
  - Market estimations have been integrated into the client's business plan and were used as a basis for negotiation with local authorities and market regulators



