Applus+ offers a comprehensive service of high technical quality. Applus+ is involved in every stage of the project, from the design development phase to construction and operation. Our experience gained over the years, combined with state-of-the-art technology, allows us to offer customized services worldwide.

Some projects around the world:

- High technology testing devices for advanced road survey services
- ECODYN: Equipment for road marking surveys (night and day, retroreflectivity and visibility)
- PIDO: Rolling weight Deflectometer for bearing capacity survey of road pavements and granular layers
- LIDAR: High accuracy road inventory system through cloud of points, asset extraction, as built, special routes, etc.
- GPRI: Ground penetrating radar for pavement layer thickness survey as well as moisture content and other pathologies
- LASER CRACK MEASUREMENT SYSTEM: 3D pavement surface survey for road distress detection
- GT/GTester: Skid resistance survey of road pavements
- SCRUM: Pavement skid resistance and macrotexture survey under wet conditions

Applus+ is present in over 70 countries with more than 350 offices worldwide.
Applus+ is a company that specializes in inspection and testing services for all types of industries. We work for different sectors such as construction, energy, oil and gas, telecommunications. Applus+ is expert in control, surveillance and quality monitoring for all types of linear infrastructures such as roads and highways, railways, waterways and the energy sector.

**Areas of expertise**
- Solutions for roads
- Geotechnical, Structural and Environmental Monitoring, Risk Management*
- Operations

**We undertake a wide variety of projects from conventional roads to highways and freeways.**
- Feasibility studies
- Environmental impact studies
- Preliminary design
- Concessions
- Detailed design
- Rehabilitation and improvement projects
- Road Safety Audits
- Health and Safety Studies

Specific studies: Surveying, Mapping, Geotechnical Engineering, Road Safety, Structural Integrity, Hydraulics and Hydrology, Drainage, Environment and Health & Safety.

**Construction**
- QA / QC
- Occupational Risks Prevention
- Environmental Impact Monitoring
- Field supervision
- Topographic monitoring
- Instrumentation and monitoring
- Materials testing
- Contract management
- Technical back office
- Specialized consulting
- Geotechnical, Structural and Environmental Monitoring, Risk Management*

**Remarkable support technologies**
- **BÚHO SYSTEM**
  - Using high-definition visual and thermographic imaging, as well as helicopter geo-referencing, we analyse medium to high voltage power lines and their elements.
- **DRONES**
  - Progressive knowledge and technology are integral to our business and so we are integrating the use of drones, or UAV’s, into our inspections. This greatly expands our remote capabilities and offers us the potential to offer more time efficient services.
- **SECTUM GIS**, SIGUM GIS Interface (for project monitoring): GIS is the Geographic Information System developed by Applus+ which has been applied to data visualisation and monitoring of applications.

It is a software platform for field inspection to improve performance and efficiency to support Quality Assurance and Quality Control process during the execution of any type of project.

**Services**
Our services and solutions cover all phases of the project, from analysis and design, to maintenance and operation and through to execution and assembly.

**Solutions for roads**
Applus+, with more than 35 years providing solutions in roads sector and participating in all the stages of the project, helps our customers to achieve their quality and quantity objectives, meeting the budget and deadlines committed.

**Design**

**Construction**
- QA / QC
- Occupational Risks Prevention
- Environmental Impact Monitoring
- Field supervision
- Topographic monitoring
- Instrumentation and monitoring
- Materials testing
- Contract management
- Technical back office
- Specialized consulting
- Geotechnical, Structural and Environmental Monitoring, Risk Management*

**Geotechnical, Structural and Environmental Monitoring, Risk Management**
Applus+ aims to provide integrated support to designers, builders and infrastructures operators with instrumentation & monitoring services and specialized asset diagnostics, during construction or maintenance phase.

Applus+ offers instrumentation system design, installation, commissioning, maintenance, data transmission, data management and analysis, warning and decision making tools.

**Operations**
With the latest technology and a team of highly qualified technicians, Applus+ provides integrated solutions for Asset Management: Road Management Systems, Technical Consultancy Services, Road Inventory Surveys, Pavement Condition Surveys y Asset Management Software and Inventories with LIDAR technology.

We are specialists in rehabilitation and asset integrity studies, development of maintenance strategies by condition indicators methodologies and pavement structural design.

**Remarkable support technologies**
- **BÚHO SYSTEM**
- **DRONES**
- **SECTUM GIS**, SIGUM GIS Interface (for project monitoring): GIS is the Geographic Information System developed by Applus+ which has been applied to data visualisation and monitoring of applications.