

# Water Infrastructure Engineering

Applus+ has more than 35 years of experience providing water infrastructure engineering and consulting services for governments and private industries.

Our broad experience in [infrastructure construction](#) and operation allows us to offer our clients sustainable and cost-effective designs and a wide variety of technological solutions.



## THE Applus+ SOLUTION

We provide expert knowledge in water infrastructure engineering and the provision of [environmental consulting services](#) and [environmental monitoring systems](#) for all kinds of infrastructure projects.

We have extensive experience in [water infrastructures](#), providing global solutions for water supply and sanitation. We act from the preliminary design stage to the operation one. We offer expert consultancy services in many related areas: [geotechnical engineering](#), hydraulic and structural engineering, QA/QC, environmental, and health and safety.

Applus+ has been involved in the development of many water infrastructures in Europe and Latin America, providing consulting engineering support for master plans, feasibility studies, detailed design, [building construction supervision](#), and asset integrity management.

Our water infrastructure services encompass:

- Preliminary design and detailed design for water supply and sanitation networks
- Hydrological studies
- Hydraulic modeling of channels. Floodplain studies



- Projects for hydraulic conditioning of channels and protection against floods
- Specific studies: flow studies and hydraulic calculations
- Sanitation plans
- Flow monitoring
- Asset inventory
- Asset integrity

Our comprehensive experience in major water infrastructure projects includes:

- Detailed design in wastewater treatment plants, pumping stations, and wastewater transportation systems renewal
- Detailed design for the sanitation, purification, and desalination projects
- Drafting of construction projects for regional sanitation systems
- Detailed design to control flood risks
- Technical support on public sanitation plans and guidelines