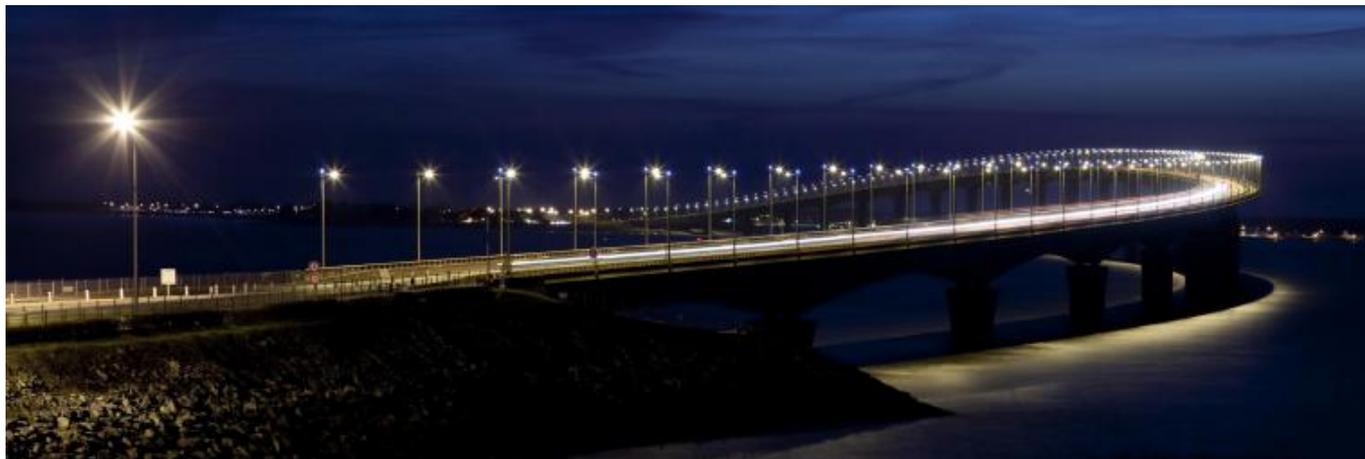From installing street lights and renovating neighbourhoods to rehabilitating cultural heritage sites, SPIE helps redefine urban areas on a daily basis. By using its expertise in outdoor networks and public lighting it helps to build cleaner, brighter and safer cities.



## More lights, fewer emissions

SPIE works hard to **make cities brighter while helping them to use less energy**. To this end, the Group offers smart solutions designed to limit the energy consumption of public lighting systems (**signal lamps** and **city signs**, as well as decorative and event lighting). For example, SPIE will handle the redesign and maintenance of all public lighting in the town of Leucate (France) as part of a public-private partnership. For this project, SPIE has set the goal of **45% in energy savings**. Building on these efforts, SPIE also offers **smart lighting systems**, such as the **City Networks system**. With this system, cities can adjust public lighting according to a number of factors, including weather or local events that require more lighting.

## Promoting cultural heritage sites

SPIE's expertise in **public lighting** also helps the Group **highlight local monuments and historical sites**. This is the case at the Château de Puylaurens (France), a majestic medieval fortress built in the 13th century, where SPIE's lighting system takes into account a number of rigid environmental constraints and energy reduction targets.

## Improving urban security

A member of AN2V (Association Nationale des Villes Vidéosurveillées), SPIE develops **video monitoring solutions** to keep cities safe. In France, the communities of Annecy, Le Havre, Belfort and Argenteuil have already adopted SPIE solutions. In addition to communities, SPIE also provides security for transport routes. The Group provides remote operation systems for motorway tollbooths, including one solution currently in use on the APRR network that combines video monitoring and intercoms. SPIE's video monitoring services also include automated speed control systems (radars and speed limit signs).

## Tunnel safety

SPIE works to improve **safety in tunnels**. In Belgium, SPIE was contracted to handle the operational maintenance of the **Cointe Tunnel** near Liège. The Group set up a high-performance management system that includes dynamic signs, traffic counts in each section of the tunnel, remote management, radio rebroadcast, remote light control and closed circuit television (CCTV). SPIE has

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also worked on the Fréjus Tunnel in France, where it set up a fibre optic network to provide video monitoring for its daily traffic of 4,000 vehicles.

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