

As a major company involved in green energy, SPIE intends to play a growing role in the global energy transition. Using its wide range of expertise, the Group promotes the development of nuclear and renewable energies on a daily basis.

## Promoting renewable energies

SPIE plays a direct role in large-scale green projects all across Europe, contributing to the development of renewable sources in the energy mix. To this end, the Group provides its customers with unique expertise on legal, administrative and financial planning, integrating equipment and optimising maintenance.

In this context, SPIE has completed several photovoltaic projects on diverse sites such as farms, fields, hotels and parking lots. Among its major projects: a giant **photovoltaic** plant in Toul-Rosières (France), which supplies electricity to a city of 62,000 inhabitants. The Group set up the 300 km of cable that link the plant's 300,000 solar panels to the grid. Near Abu Dhabi (United Arab Emirates), the SPIE Oil & Gas Services subsidiary also contributes to Shams 1, the largest high-concentration solar power plant in the world with a capacity of 100 MW: 258,000 parabolic mirrors across 2.5 km<sup>2</sup>, capable of supplying 20,000 homes and reducing CO<sub>2</sub> emissions by 175,000 tonnes per year.

A privileged partner of the European **water power** industry, SPIE works on planning major hydroelectric projects, such as the Pracana and Veiros dams in Portugal and the underground hydraulic plant in Chamonix (France). In the latter case, EDF moved the water catchment system in 2010 and contracted SPIE to set up the electric grid under extreme conditions.

In **wind power**, SPIE is taking part in the construction of 36 turbines for an onshore wind farm in the province of Flevoland (Netherlands), one of the largest in its category. For this large-scale project, SPIE is responsible for creating a substation, setting up cable and electrical attachments and linking the substation to the national electric grid.

Finally, SPIE also promotes the growth of biomass technologies. For example, the Group designed and built a methanation unit for organic waste such as pig manure and residues from the local food industry.

## Strengthening nuclear expertise

SPIE supports nuclear operators with advanced solutions in electro-mechanics and climatic engineering throughout a plant's lifecycle, from construction to maintenance to decommissioning. SPIE also participates in innovative projects, such as the Flamanville 3<sup>rd</sup> generation European Pressurised Reactor (EPR), where EDF contracted SPIE for all general electrical installations.

For a production site in La Hague (France), AREVA contracted SPIE for all preventive and corrective maintenance operations: maintenance and repair of tele-manipulators and managing video surveillance systems.

Finally, SPIE helps decommission French nuclear installations that have reached the end of their lifecycles, such as the Brennilis, Bugey 1, Creys-Malville and Saclay reactors. The Group's expertise now makes it possible to reduce the volume of wastes needing treatment and categorise wastes to optimise storage. In Fontenay-aux-Roses (France), SPIE also produced a reinforced cell for the CEA to clean up and decommission the Petrus complex, an installation designed in the late 1960s to generate and study trans-uranium elements.

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