

POWER

Global power generation player

We deliver comprehensive solutions to clients in Europe and all over the world. We are a global network of power generation experts with the capacity to deliver local projects.

Thanks to our expertise on the entire electricity chain, from power generation to consumption on territories, we understand our clients' issues and challenges. We benefit from the local expertise of our network and who has a deep knowledge of the local technical regulations but we also provide global knowledge support with worldwide subsidiaries.

We work across different areas of the power generation infrastructures, from basic design to maintenance and operation.

We specialise in the following sectors:



Hydro

Hydropower supplies over 70% of the world renewable electricity and generates over 16% of the world's global electricity.

Positioned across the entire value chain of a hydro project, we deliver a wide range of solutions for new power plant development and refurbishment projects. Omexom is a fully integrated EPC contractor including civil work with VINCI Group's sister entities.



Solar

For over 10 years, Omexom has been a key player in the solar photovoltaic sector. We are perfectly positioned to support solar farm projects and hybrid solar / storage systems at any stage of the energy chain. After installation, we remain heavily involved in the maintenance of solar farms and batteries and provide training to ensure their sustainability.



Wind

The share of wind power in the world energy mix is expected to double by 2040, and consequently quadruple its installed capacity.

Omexom has over 25 years experience in the wind energy sector and provides a wide range of services from project engineering to operation and maintenance.

On top of its historical T&O activity, Omexom's know-how of utilities and independent power producers' contractual requirements are key to ensure the success of your wind project. Moreover, with its strong local network, Omexom has full knowledge of local grid requirements and practices.

Omexom engages in the highest levels of requirements in terms of quality, environment, health and safety to deliver sustainable and efficient solutions.



Nuclear

Nuclear energy is the world's second largest source of low-carbon power. It now provides approximately 11% of the world's electricity from around 450 power reactors (Source: World Nuclear Association- World Nuclear Performance Report 2017). Omexom has a network of 700 experts in the nuclear sector. We have French expertise in non-destructive testing and asset management. From engineering to construction, maintenance, decommissioning and waste treatment, we're active across all areas of the nuclear power plant cycle.

We understand the challenges faced by the electricity sector in Europe and throughout the world. We're committed to promoting environmental sustainability, energy security and equity as part of the World Energy Council's energy transition goals.

With 400 business units across the world, we have access to a talented team of local suppliers and contractors, each with their own unique expertise. Our collaborative approach ensures that you get the best team for your project.

We operate in 32 countries, working with local suppliers. Our de-centralized approach means we fully understand the cultural impact of the projects we're involved in.

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TRANSMISSION



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Power transmission delivered by overhead & underground lines

Electricity supply security is a key concern for every country. The wide-scale integration of intermittent energy sources into the electrical grid is posing major challenges for operators around the world, both in terms of adapting existing infrastructures, and of developing smart systems to balance supply and consumption across the grid.

To meet these challenges, Omexom works in tandem with electricity transmission network operators and designs, builds and maintains high and very high voltage lines throughout the world.

Omexom works in collaboration with major Original Equipment Manufacturers (OEMs) and provides customer-specific services using a wide range of dedicated and innovative tools like helikarts and drones.

Omexom also provides steel structure workshops, alternative scaffolding systems, and catenary support systems.

In some cases our energy storage expertise allow us suggest postponing investments in the transmission grid by adding smart storage solutions instead of developing new lines.

We specialise in the following energy transmission services:



HV Underground cables

We're involved in all aspects of line-based electrical energy transmission. Working with energy producers and suppliers, we offer a range of underground lines services. Some of the services we provide include planning and dimensioning, supply chain procurement, trench implementation, protection works, and testing and commissioning.



Overhead lines

From design to commissioning and maintenance, Omexom supports its customers throughout every stage of an electricity transmission overhead line project. Our cutting-edge approach to overhead line transmission enables us to provide a range of services. We provide site preparation and scheduling, method statements, resource and plant management, infra-red thermal vision, and corrective maintenance.

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Electricity Distribution Services

At Omexom, we understand the essential need for real-time energy distribution. We're committed to promoting sustainability, energy security and equity. We work with local authorities and Distribution System Operators (DSOs) across the world to reach those different goals. We're involved in setting up electricity distribution network, both rural and urban areas.

We work across every sector of the distribution chain from design and engineering, through routing and planning.



Overhead & Underground Lines

As the global demand for power increases, so does the need to improve the energy infrastructure in rural communities. Similarly, there's an increasing need for asset management, particularly in Europe. We meet those needs providing localised electricity distribution.

We work with energy producers, energy collectives, industrial energy suppliers, and energy unions. Our decentralized approach enables us to collaborate with local contractors, each with their own unique skillsets. Whether working in a heavily-populated area, or a rural landscape, our local expertise enable us to deliver projects effectively.



Large-scale projects & emergency response services

We specialise in delivering large-scale projects in collaboration with our long-term local contractors. We're involved in every aspect of line-based distribution from project deployment to managing and operating power infrastructures.

We also provide a global emergency response service, resolving distribution issues, particularly during adverse weather conditions.

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