The Company has been developing this project since being awarded a €30 million contract in 2009 by Kozloduy nuclear power plant.

IBERDROLA ENGINEERING AND BELGOPROCESS SUCCESSFULLY COMPLETE FINAL TESTING ON RADIOACTIVE WASTE TREATMENT PLANT IN MORCENX (FRANCE)

- Following tests carried out over two days at Europlasma Inertam facilites, the plant is to be moved to Kozloduy nuclear plant in Bulgaria for permanent installation.
- The project is based on plasma technology, an innovative technique which subjects radioactive waste to temperatures of up to 5,000°C to reduce volume.
- The Kozloduy nuclear waste processing plant will open up new opportunities in the industry, as it allows for significant size reductions of low and intermediate level nuclear waste.

IBERDROLA ENGINEERING and the Company BELGOPROCESS, have successfully completed final testing on their plasma technology-based radioactive waste treatment plant, an initiative that could revolutionise the nuclear energy industry.

The Company carried out these tests over a two-day period at the Europlasma Inertam facilities in Morcenx, in the south of France. The second test was attended by representatives from relevant industry enterprises interested in developing projects using this technology.

Following these tests, IBERDROLA ENGINEERING will now move the plant to its final destination, the Kozloduy nuclear plant in Bulgaria, 200 kilometres from the capital Sofia, where it is to be permanently installed.

The aim of the Kozloduy project is to create a radioactive waste treatment plant based on plasma technology, which significantly reduces the volume of this type of waste by subjecting it to temperatures of up to 5,000 degrees centigrade.

The application of such high temperatures produces a liquid waste which, when cooled, vitrifies into a solid form whose volume is reduced by as much as 80 times. This is then packed into containers...
and encased in concrete.

The Kozloduy plant opens up new opportunities in the nuclear energy sector, since it allows for significant reductions in the amounts of low and intermediate level nuclear waste generated during the operation of nuclear power plants.

The consortium formed by IBERDROLA ENGINEERING and BELGOPROCESS is developing the project since being awarded in 2009 a contract by Kozloguy nuclear power plant to supply a facility for the treatment and conditioning of solid radioactive waste with high volume reduction factor.

The contract is valued at €30 million and is co-financed by the European Bank for Reconstruction and Development (EBRD) and the Bulgarian Government. The consortium won the contract following an international tendering process organised by the EBRD.

**An international benchmark in the energy industry**

With this project, IBERDROLA ENGINEERING has further strengthened its position as a global player in the nuclear energy industry. Among its latest projects we can highlight the power uprating of Laguna Verde nuclear plant in Mexico, which was completed in February of this year, and the construction of toroid coils for the International Thermonuclear Experimental Reactor (ITER) by a consortium that includes the Spanish Company Elytt Energy and ASG Superconductors from Italy.

IBERDROLA ENGINEERING is one of the key energy engineering companies with projects in over 30 different countries. The Company’s main business is the development of turnkey energy projects in power generation, nuclear, networks and renewables, both within the Iberdrola Group and for third parties.

All projects are completed with a high degree of innovation and technological capacity, factors that have made the company a worldwide benchmark in energy engineering whilst underpinning its ability to compete internationally.