

**KOSOVO MOTORWAY PROJECT – ROUTE 6**

The Kosovo Motorway Route 6 Project in the Republic of Kosovo has a total road length of 65 kilometres and construction continues between the towns of Ferizaj and Hani i Elezit in Kosovo. By its nature, the project has high interaction with flora and fauna. The interaction is managed by the Construction Environmental Management Plan established under the project. In 2018, the following activities were undertaken as part of the project to protect biodiversity:

- In crossings of the river that runs throughout the project line, a total of 2,250 metres of silt fence was used to prevent erosion and sedimentation.
- To prevent wild animals and other organisms from being harmed by entering the work area 87,000 metres of fence was built, 28,000 metres in 2018.
- 10,000 saplings that are compatible with the present fauna were planted at the connection point between the project and Route 7, construction on which had been completed previously. An additional 4,600 saplings were planted in different areas along the alignment. Cooperation was established with local experts for the procurement and planting of saplings.

- In addition to regular environmental training held for the increased awareness of project employees on environmental and biodiversity protection, the project team prepared videos which they shared with employees.

**HİSARÖNÜ BAY CLEANING WORK**

Since 2011, ENKA has been providing support to work undertaken by the DenizTemiz / Turmepa Association to clean up Hisarönü bay in the district of Marmaris in Muğla. The work continued in 2018 and support was given for activities to clean up and protect the flora in a region inhabited by 100 species of fish, 45 mammals, 123 birds, 27 reptiles, 167 land invertebrates and four amphibians.

As a result of the activities, 220,000 m<sup>3</sup> of wastewater was collected from privately-owned yachts and boats to prevent it from being released into the sea and was properly treated. Furthermore, with regular visits to and environmental awareness raising at boats and yachts, the discharge of solid waste from these vessels to the sea was prevented to protect the habitat in the area.



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**ENVIRONMENT-FRIENDLY MATERIALS, EQUIPMENT AND GREEN BUILDINGS**

It is a fact that environment-friendly buildings use resources more efficiently and therefore have lower operating costs and offer users more comfortable spaces. Although the investment costs of environmentally-friendly buildings are higher than conventional buildings, they soon redeem the costs through the savings they provide.

In recent years, ENKA has begun to undertake activities to make older buildings meet modern requirements and transform them into more environmentally-sensitive new buildings. ENKA aims to use its very high level of expertise, science and technology in its investments to minimise adverse impacts on humans and nature. Of the projects ENKA has completed until today, 14 were awarded LEED certificates.

ENKA's Kuntsevo Plaza Project, which was commissioned for business in 2015, won the first Russian Green Building Certificate (the Green Standard) in 2013. The Kashirskaya Multi-Functional Trade Centre Project in Moscow, which was completed in 2018, was also awarded the Russian Green Building Certificate. As they are multi-purpose shopping centres, these projects have set precedents and are pioneers in their sector.



Kuntsevo Plaza



The LEED certification work Cımtas Pipe began in June 2016 was completed successfully, and the Pipe Works Plant was certified in the LEED Gold category. The criteria for green buildings may be summarised as the energy efficiency of the machinery selected, the reduction of environmental impact in all processes from materials procurement onwards, the quality of covered spaces and the use of environment-friendly and innovative approaches. It was the first time in the world that the LEED Gold certificate was awarded to a pipe manufacturing plant. As part of Cımtas Ningbo's investment in a new plant, its administrative building has been designed in keeping with the requirements of LEED Gold certification. Since 2013, ENKA has been a member of the US Green Building Council.



ENKA is aware that climate change needs to be tackled and the energy sector needs to transition to a low-carbon growth model. However, in order to ensure dependable energy supply, the efficient use of relatively clean-burning, constantly available and dependable fuels, such as natural gas, is a necessity for the future of the energy sector. This is why one field of specialisation of ENKA is transforming open phase simple-cycle natural gas power plants to the modern and far more efficient two phase combined cycle power plants. This way, while ensuring a secure supply of energy, electricity production per unit of fuel and facility efficiency increase and environmental impacts decrease.

ENKA also contributes to the economy and serves towards a more sustainable future with the production of wind turbine towers and parts at Çımtaş Steel. In the past period, increasing demand for wind energy and subsidies for the domestic production of parts has created a market for domestic manufacturers in Turkey. Increasing its activities with the expanding market but not compromising on its quality standards, Çımtaş Steel has manufactured 92 wind turbine towers in 2018.



Çımtaş

2027 SUSTAINABILITY GOALS

RESPONSIBLE COMPANY	TARGET	2018 PERFORMANCE
ENKA POWER	Carbon dioxide emissions per unit of energy generation 400 gCO <sub>2</sub> /kWh	344.72 gCO <sub>2</sub> /KWh
ÇİMTAŞ	Greenhouse gas emissions for person-hour input for each tonne of production 25 tCO <sub>2</sub> e/(person-hour/tonne)	26.15 tCO <sub>2</sub> e/(person-hour/tonne)
	Domestic water consumption 15 litres/person-hours	20 litres/person-hours
ENKA GROUP	0 Tier 3 (>20m <sup>3</sup> ) environmental accidents	0
	We will undertake at least two projects to reduce blue water footprint.	2
	We will undertake at least two projects at ENKA Group to increase renewable energy use rate.	1
	We will contribute to at least one afforestation project every year to contribute to carbon neutralisation.	2
	We will make no compromises on the policy of banning plastic bottle use throughout ENKA Group that was initiated in 2018.	Target met.
ENKA SCHOOLS	We will continue to adhere to ENKA Schools' waste management practices, paper and purified drinking water use policies.	Target met.