

## Waste Management

In all the regions and places it works, ENKA manages its waste in such a way as to minimise its impact on the environment, paying due attention to the waste hierarchy. All related operations are conducted in the context of waste management plans developed in accordance with the ISO 14001:2015 Waste Management System standard, and in compliance with the local legislation in the country where the activity is being carried out.

ENKA's primary approach to the management of waste is to prevent or reduce the amount of waste at source as much as possible, and to recycle and re-use those wastes which are formed in spite of this. In cases where these primary steps cannot be implemented, waste is categorised and disposed of via authorised institutions.

In addition, training and awareness raising activities aimed at employees and relevant stakeholders are carried out in all of ENKA's subsidiaries and workplaces so as to ensure

waste management is properly addressed. For instance, in the offices and shopping centres, which ENKA TC owns and manages in Moscow, awareness-raising activities are conducted even for tenants and customers, to ensure that they show the necessary sensitivity.

ENKA makes maximum efforts to prevent leaks and spills and takes all necessary precautions to prevent any leaks from reacting with the soil or water. During the reporting period, there were no major (Tier-III) leaks or spills at any ENKA workplace. During the SCPx pipeline project under way in Georgia, 17 Tier-II leaks occurred. These leaks were handled in the shortest possible time under Emergency Response Plans. Absorbent pads and granules were used, and contaminated soil was packed into special bags, which were transported to the relevant temporary storage area and subsequently disposed of in the same way as hazardous waste.





### Total Amount of Waste by Type and Disposal Method

The following table encompasses data from: ENKA Headquarters, ENKA Power electricity generation plants in Adapazarı, Gebze and Izmir, Çimtaş Steel, Cimtaş Pipe, ENKA

Pazarlama, Istanbul ENKA Schools, ENKA Sports Club, ENKA TC, CCI, MKH and OMKH workplaces in Russia, and selected ENKA projects - namely, the Kashirskaya Multi-Functional Trade Center in Russia and the CSG-1, CSG-2 and Area 81 sites of the SCPx project in Georgia.

	Hazardous Waste (kg)	Hazardous Waste (m <sup>3</sup> )	Non-Hazardous Waste (kg)	Non-Hazardous Waste (m <sup>3</sup> )
Recycling	1,627	-	1,249,661	11,828
Recovery (including energy recovery)	231,463	-	-	34
Disposal by licensed waste disposal companies	254,235	466.5	9,477,610	62,167
<b>TOTAL</b>	<b>487,325</b>	<b>466.5</b>	<b>10,727,271</b>	<b>74,029</b>

## Environmentally-Friendly Buildings

Environmentally friendly buildings are known to consume less energy and water, cause lower greenhouse gas emissions, provide their users with a more comfortable and pleasant environment and generate savings due to their lower operating costs. Although the investment costs of environmentally friendly buildings are higher than those buildings constructed in the standard manner, the features they incorporate enable them to redeem the extra cost rapidly.

In recent years, ENKA TC has embarked on a process of major investments to convert its older buildings into new buildings that are capable of meeting modern requirements and more responsive to the environment. The Kuntsevo Plaza project, for instance, holds a Russian Green Building certificate and is one of 37 green investments in Russia. The Kashirskaya Multi-Functional Trade Center project, which is under construction in Moscow, has been awarded a project design certificate, which is the first step towards meeting Russia's national Green Building Standard. It is also aiming to obtain LEED Gold certification. Also in future investments, the aim will be to control the potential negative impacts on human beings and the natural environment and keep them to a minimum through the use of the best available expertise and the latest science and technology. Fourteen of

the projects that ENKA has completed to date have been awarded LEED certificates.

Similarly, Cimtaş Pipe has completed the LEED Certification work, which it began in June 2016, and its Pipe Work plant has earned the right to LEED Gold certification. Green buildings are certified in accordance with a set of criteria that includes, in



summary, the energy efficiency of the machinery selected, and the reduction of negative impacts on the environment during all processes from the purchase of materials onwards, the quality of interior spaces, and the adoption of environmentally friendly and innovative approaches. It is the first time that this certificate has been awarded to a pipe fabrication facility anywhere in the world.

The administration building that forms part of the new Cimtaş Ningbo plant investment has also been designed in accordance with the LEED Gold certification criteria.



Reserves of natural resources are declining significantly as a result of global warming and environmental pollution. Research points to high levels of natural resource use, energy consumption and greenhouse gas emissions in buildings. In order to prevent this, the construction sector has started to adopt the approach of developing environmentally friendly projects that consume less energy and water and create less waste. Activities of this kind are important if natural resources are to be conserved and sustainable living environments ensured, both in Russia and all over the world.

ENKA TC's Kuntsevo Plaza project, which went into operation in 2015, received its first Russian Green Building certificate in 2013. Work is now in progress to obtain the same certification for the Kashirskaya Multi-Functional Trade Center project. The work which has been done on the Kuntsevo Plaza and Kashirskaya Multi-Functional Trade Center projects has set a precedent, since they are multi-purpose shopping centres and have been the pioneers in this sector. At the same time, ENKA TC has been a member of the US Green Building Council since 2013.

In our future investments, our goal will be to pay more attention to this issue, to score points on those criteria for which we lost points during the certification of the Kuntsevo Plaza and Kashirskaya Multi-Functional Trade Center projects, and to obtain international certificates with more stringent criteria, such as LEED. Our activities related to environmentally friendly buildings will continue and increase in the context of the ENKA Sustainability Strategy.

**Kemal Atay, ENKA TC  
Project Development and  
Construction Department  
Manager**



The Kuntsevo Plaza project, for instance, holds a Russian Green Building certificate and is one of 37 green investments in Russia.

