

Meeting the Needs of Communities for Infrastructure and Superstructure

ENKA contributes to the development and welfare of the countries in which it conducts operations through its main business activities, which aim to create lasting assets and leave a positive heritage. ENKA has carried out a total of more than 500 oil, gas and petrochemical, power plant, infrastructure and building projects, employing more than 400 thousand people in Turkey and abroad, and accelerating the development of local economies to this date.

Since the 1970s, ENKA has been Turkey's leading firm in the design and construction of power plants. It has engaged in long-term collaborations with global firms active in this field. ENKA's experience with power plants can be summed up as follows:

- Six thermal power plants with a total installed capacity of 4,070MW
- Thirteen natural gas combined cycle power plants with a total installed capacity of 14,296MW
- Eight simple cycle power plants with a total installed capacity of 4,166MW.

A high proportion of these projects have been constructed in developing countries. They have been designed and put into operation in order to overcome the shortages of power, which constitute as one of the greatest challenges faced by developing countries.



ENKA mainly employs locally recruited staff on the projects, which it carries out, and works with local subcontractors and business partners. By training local personnel and sharing its knowledge and experience, it contributes to the development of local workforces, sectors and economies.

Among these projects are the Adapazari, Gebze and Izmir power plants, which are also operated by ENKA. In total, more than 7,000 persons worked in the construction of these plants at various stages. Having acquired experience of engineering and construction processes on these projects, these workers were later employed on power plants and other energy projects undertaken by ENKA in other countries, and assisted the local people in these countries to acquire experience in the energy sector.

Out of the projects which commenced in 2000, the Adapazari and Gebze plants were completed in 2002 and the Izmir plant in 2003. With these power plants starting operation, ENKA became Turkey's largest private sector power generator. In 14 years of commercial operation, the ENKA power plants have generated 400 billion kilowatt-hours of electricity. With the capacity to generate 32 billion kilowatt-hours annually, they account for 11% of Turkey's total power output. These figures show the importance of these plants for the Turkish economy.

These plants have been regarded as exemplary investment projects by global standards on account of their performance in terms of production and environmental sensitivity, and in view of their technical infrastructure and the management systems in use.

Following these projects in Turkey, ENKA has also constructed several power plants in Iraq. These plants will contribute to the development of the country and its gradual post-war recovery. They have added more than 4,000MW of power to the Iraqi grid.

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In the engineering and construction activities, which ENKA has been carrying out in Tengiz, Kazakhstan, since 2013, the ratio of local (Kazakh) employees has reached 92%, and at no stage of the work has this ratio





fallen below 70%. Approximately 20,000 Kazakh personnel have been employed on the project directly since its inception. In addition, ENKA has worked with more than 100 local subcontractor firms, providing employment for about 10,000 more local personnel. As a result of this strategy, the local subcontractors have become more proficient at construction work and some have acquired the capacity to work directly with the owner of the project. More than 1.2 million person-hours of training have been provided to employees during the course of the project. As a result, local personnel, most of whom had no experience, have been turned into proficient and experienced workers. Many senior staff have been transferred to Kazakhstan's leading firms, where they hold important positions. More than 100 million person-hours have been worked on the Tengiz projects in Kazakhstan, which began in 2003 and are still continuing today, and there have been no fatal accidents. The longest period worked without lost time incident was around 30 million person-hours. The total value of the labour, goods and services obtained from the local market for these projects is about US\$750 million.

With respect to the building construction sector, ENKA has worked on urban development projects, hospital buildings, airport projects, factories and production facilities,

particularly in the Russian Federation, in member countries of the Community of Independent States (CIS), and in Africa. As a result, it has supplied the countries in question with essential needs and contributed to local development while acquainting these countries with quality and safe engineering practices.

ENKA's experience with motorway, bridge and tunnel projects goes back to 1958. In the 1970s, ENKA carried out the Anatolian Highway project, which formed an important part of the development of Turkey's Infrastructure Network. This motorway is of critical importance as it links Turkey's European part of Istanbul with its capital, Ankara, in the continent of Asia.

Immediately after the construction of the Gerede-Ankara Motorway, ENKA made its mark with new motorway projects in Eastern Europe, completing motorways which brought touristic and economic development in their wake in Croatia, Romania, Albania and Kosovo.

Over 60 years, ENKA has carried out all the necessary construction works for more than one thousand kilometres of motorways, bridges, tunnels and viaducts in Libya, Saudi Arabia, Croatia, Romania, Kosovo, Albania and Turkey. This work is continuing today.

