

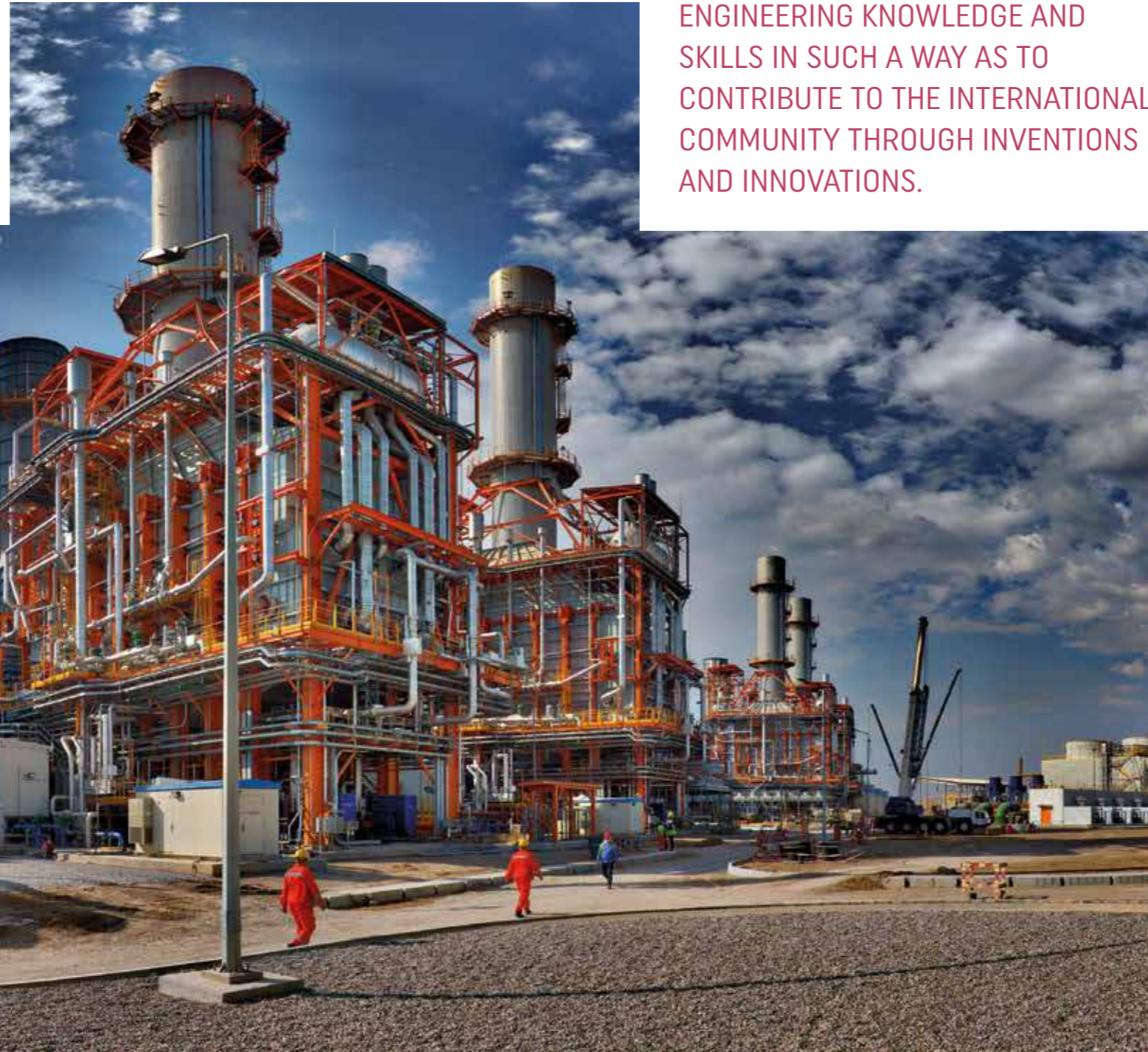
## CONTRIBUTING TO THE DEVELOPMENT OF THE ENGINEERING PROFESSION

Engineering is a profession which simplifies the work of individuals and societies, while doing this, designs and manufactures all necessary components and by ensuring their sustainability, pioneers technological and economic development of societies. At the same time, engineering is a profession and applied science which conducts research, prepares plans and projects, and generates products, methods, systems, innovations and technology in accordance with the principles of the basic sciences for the purposes of increasing the benefits which humanity derives from natural resources and provides people and communities with technical solutions to their problems.

Given the characteristics and impact of the engineering profession, engineers should shape their approach to their work in line with occupational ethical values while fulfilling their responsibility to the organisation they work for, without

diverging from the principle of creating a sustainable world for future generations.

ENKA provides the necessary infrastructure and ensures that occupational training is provided within the company to improve the technical knowledge and skills of its employees, for them to constantly develop their skills and adapt to consistently changing and advancing technology.



Baghdad Besmaya Combined Cycle Power Plant

**ENKA AIMS TO TRAIN ENGINEERS WHO KEEP TRACK OF ADVANCES IN THEIR PROFESSION, PUT THEIR KNOWLEDGE INTO INSTITUTIONAL FORM AND DEVELOP THEIR ENGINEERING KNOWLEDGE AND SKILLS IN SUCH A WAY AS TO CONTRIBUTE TO THE INTERNATIONAL COMMUNITY THROUGH INVENTIONS AND INNOVATIONS.**

ENKA brings stakeholders who might be able to contribute to the profession's sustainability in order to create environments in which developments in the field, good practices and problems are discussed, engineers who are successful in every aspect of their work are trained and contributions are made to the development of both the company and society.

Engineers have very significant duties and responsibilities for building a better and sustainable future. There is need for works in order to eliminate very critical risks such as the natural and cultural environment being damaged, societies becoming unable to renew themselves through innovation and endangering individual and community health or even lives.

In the reporting period, ENKA carried out the activities detailed below in the context of its efforts to contribute to the development of the engineering profession.

### ENGINEERING INTERNS

A total of 138 engineering and architecture interns were given positions during the reporting period. Throughout their internships all interns were provided with applied training on ENKA's engineering projects and activities and thus had the opportunity to improve themselves in terms of engineering practices and to gain work experience. In addition, ENKA's corporate and engineering knowledge and experience, acquired over 60 years of engineering activities, was passed on to the interns. ENKA group companies have accepted approximately 400 interns in the reporting period.

### COLLABORATION WITH STUDENT SOCIETIES

With the purpose of promoting works on sustainability and contributing to the development of the engineering profession, ENKA supports various student societies. ENKA took on the silver sponsorship of the CivilCon Engineering Convention in 2018, which was organised by the İstanbul Technical University Engineering Preparatory Club with the aim of bringing students from ITU and other universities together.

In 2018, ENKA was the materials and prizes sponsor for the EBEC (European BEST Engineering Competition), organised by the Middle East Technical University BEST (Board of European Students of Technology) Ankara Group.

Aside from its sponsorship support, ENKA has participated in METU and Boğaziçi University career days to meet students.

**ENKA DESIGN CENTRE**

SINCE ITS ESTABLISHMENT, ENKA HAS CONTINUOUSLY IMPROVED ITS DESIGN AND ENGINEERING ACTIVITIES BY FOLLOWING-UP INNOVATIONS AND TECHNOLOGICAL DEVELOPMENTS IN THESE FIELDS; FOCUSED ON RESEARCH, DEVELOPMENT, INNOVATION AND INVENTION WORKS, AND TO THIS END ESTABLISHED THE ENKA DESIGN CENTRE, WHICH IS LICENSED BY TURKEY'S MINISTRY OF SCIENCE, INDUSTRY AND TECHNOLOGY, IN 2016.

ENKA, in its design and engineering works in infrastructure, construction, architecture and industrial projects, has established collaborations with the Scientific and Technological Research Council of Turkey (TUBITAK), the Technology Development Foundation of Turkey, the Ministry of Industry and Technology, local and international private design and engineering institutions and adopted the principle of making sustainable contributions to the development of engineering.

With its total staff of 147 including 101 designers, ENKA İnşaat Design Centre has made valuable contributions to the development of the engineering profession within the reporting period through research and development, the design of new production technologies, innovation in project design and engineering activities and design innovations for time-cost-performance optimisation.

ENKA continues its work efficiently and reliably with a total of 56 licenced design and engineering software, the most widely used among them being CSI SAP 2000, ETABS, AutoCad, Navisworks, Aveva and Tekla. The Design Centre has completed design and engineering works on nine projects in the reporting period and continues with design and engineering work on 10 other projects. A total of approximately TRY 12 million was spent on the design and engineering of these projects.

**ENKA ACADEMY**

ENKA Academy aims to improve employees' professional competencies, technical knowledge and skills, social skills and their leadership and management abilities through various training activities, seminars, conferences and workshops. In addition, ENKA Academy aims for continuous development by supporting various activities organised by third-party organisations such as fairs, symposia, seminars and trainings. To this end, a total of 11,508 person-hours of training was provided in 2018 for the development of the engineering profession.

**CORPORATE KNOWLEDGE, LIBRARY AND SUBSCRIPTIONS**

ENKA offers its corporate knowledge as an internal electronic library accessible by all employees for the purposes of conducting existing processes effectively, standardising the quality of its products and services across all locations, institutionalising the experience it has acquired since its establishment, perpetuating its corporate culture and determining its working rules and methods. All employees can access numerous international scientific publications, magazines and libraries via this platform.

**ÇİMTAŞ**

In 2018, Çimtaş once more attended the Career Days held by ENKA Schools annually in order to inform students about different professions. Çimtaş Pipe MIS (Management Information Systems) Application Development Chief Yalçın Özkan attended the event organised at Private ENKA Technical Schools and informed students about computer engineering, business processes and job opportunities.

**ENKA SYSTEMS**

As part of its efforts to contribute to the development of the engineering profession, ENKA Systems participated in an ITU Informatics in Construction Management course "Building Information Modelling & Integrated Projects Production" class and provided information to students about BIM integrated Document Management System (EDMS) software and its areas of use in the sector. In addition, ENKA Systems sponsored the Design Together 2019 Competition organised by ITU –Engineering Preparatory Club which started in November 2018 and continued until March 2019. In December 2018, ENKA Systems participated in ITU Construction Management postgraduate class on Cost Control and informed students about EGFS, EGPS and EGVN software and their application in the sector.

**ENKA SCHOOLS KOCAELİ**

In 2018, ENKA Schools Kocaeli Industrial Automation Department teachers taught a Mechatronics course for 2 weeks (80 hours) at Kocaeli University's Mechatronic Engineering Department.



**"OUR MAIN GOAL IS TO  
CARRY OUT WORK SAFELY."**



STAKEHOLDER  
ASPECT

ENKA, which mainly carries out construction work, has the main aim of carrying out work safely. Working safely is paramount in all our undertakings. Thanks to the safe working environment at ENKA, we have been working here for years.

ENKA offers trainings to develop the skills of its employees. ENKA also holds examinations to measure knowledge and add to the experience of its employees. The experience and knowledge gained this way will definitely help in the future.

ENKA has been contributing to the development of Kazakhstan for over 26 years. It provides employment opportunities for the local population at construction projects. This contributes greatly to the economy of Kazakhstan.

**Nurbergen Kanturiyev**, *Electricity Foreman*

**Ferudun Mert**, *Electrical Works Supervisor*

**Khamidulla Nuraliyev**, *Welder*

