

The background of the slide is a dark, industrial scene. It features a large, dark metal component, possibly a turbine or engine part, with bright orange and yellow sparks or light trails emanating from it. The lighting is dramatic, with deep blues and blacks, creating a sense of high-tech manufacturing or engineering.

# KMC JSC

We are designing the future today !



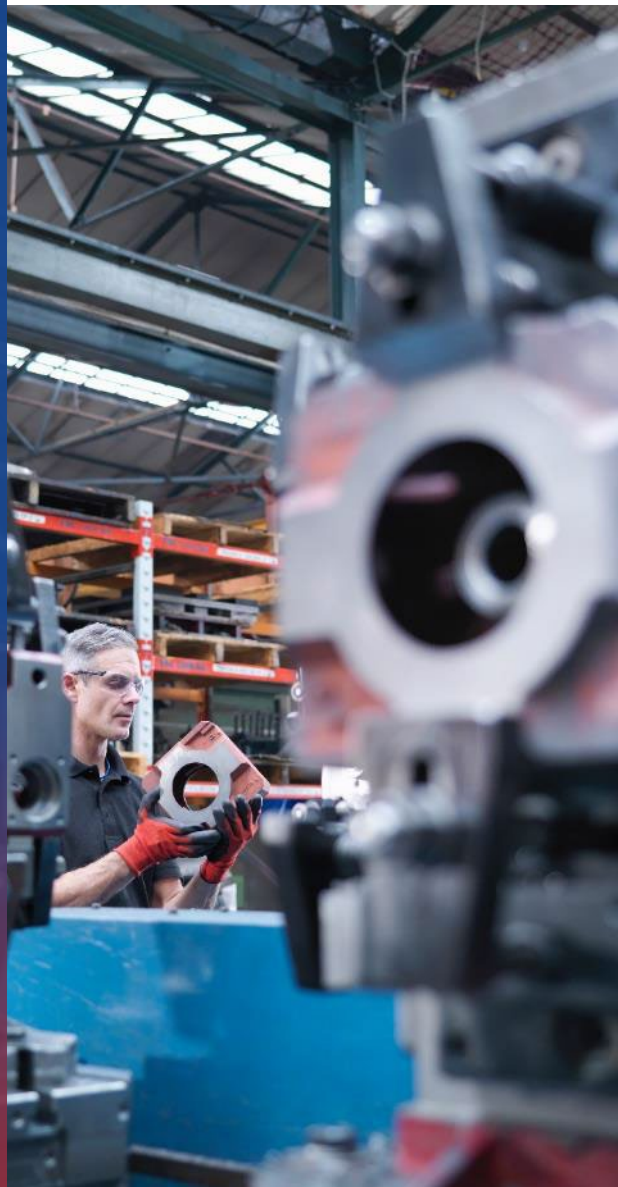
# KMIC



## OUR COMPANY

KMC JSC is a high-tech company providing specialized repairs in the energy sector since 1990. The main principles of the company's business are strict compliance with all requirements concerning the quality of the works, deadlines, full satisfaction of our partners' requirements.

WE KEEP DOING  
WHAT  
WE  
DO THE  
BEST!



## OUR COMPANY

Core business area:

- Projects of Bulgaria's nuclear Programme;
- Implementation of major turnkey engineering projects;
- Projects in the field of energy safety improvement;
- Reconstruction and modernization of machinery and equipment;
- Rail and energy infrastructure modernization;
- Repairs, rehabilitation and modernization of heavy mining equipment.



# STRUCTURE OF KMC JSC

The head office of the company is located in Sofia. In addition, KMC JSC operates subsidiaries in Kozloduy , Radnevo and Burgas . The main manufacturing facility is located on the Kozloduy NPP site. In 2022, KMC has founded a new company in Greece, KMC Greece S.A., whose main purpose is the execution of specialized repairs in the energy sector.

## Sofia

1408 Sofia  
Triaditsa district  
10, Dimitar Manov Street

## Kozloduy

3321 Kozloduy  
Kozloduy NPP site

## Radnevo

6260 Radnevo  
10, Tacho Daskalov  
Street

## Burgas

8000 Burgas  
Lazuren briag residence,  
office 101

## KMC Greece S.A.

68th, Liosion Str.,  
10439 Athens



# HUMAN RESOURCES



The company employs a highly qualified personnel comprising 220 members, divided as follows :

- Management staff;
- Administrative staff;
- Engineering and technical staff;
- Executive staff:
  - Technical supervisors;
  - Electrical and instrumentation and automation equipment Mechanics;
  - Fitters;
  - Welders;
  - Machine tool operators;
  - Drivers of specialised means of transport.

# OUR SERVICES

## WORKS AND SERVICES PROVIDED IN NUCLEAR POWER PLANTS

The operations carried out by KMC JSC in nuclear power plants include: design, supply of main and auxiliary equipment, installation and commissioning.

The company has proven to be a reliable partner that successfully manages engineering projects in the nuclear power industry.

✓ Electrical installation works

✓ Mechanical installation works

✓ Operations related to the decommissioning of nuclear facilities



**KMC**

# OUR SERVICES

## ELECTRICAL INSTALLATION SERVICES

KMC JSC offers a wide range of services related to design, construction and commissioning.

Our experts have a solid experience and are certified to operate in this field.



Traction and node substations



LV, MV and HV switchgears



Cable routes



Energy efficient lighting installations



Overhead lines (catenary) and rectifier stations



Electrical part of heavy mining equipment



The logo for KMC, featuring the letters 'KMC' in a stylized, white, sans-serif font. The letters are slightly tilted and have a modern, geometric feel. The logo is set against a blue and red gradient background.

# OUR SERVICES

## REPAIR AND INSTALLATION WORKS IN ENERGY INDUSTRY SECTOR

The objectives of KMC JSC are related to a progressive and sustainable development while taking care of the environment.

The cleaner the energy is, the more reliable and secure the future will be for us and our children.



Repair of turbine, boiler and auxiliary equipment, pumps, etc.



Manufacture and installation of metal structures



Construction and installation of pipelines and equipment

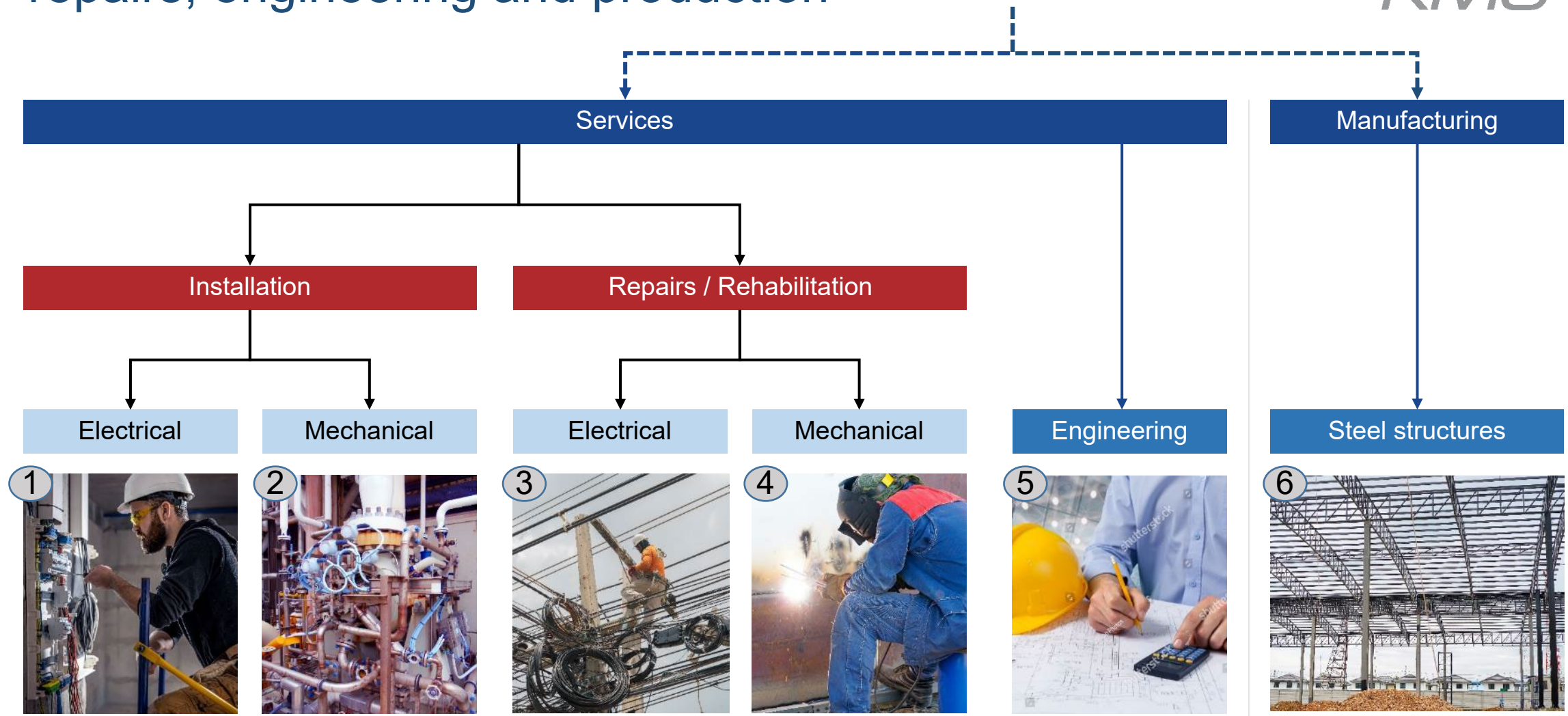


Installation of new technological equipment in NPP, TPP, HPP and other production plants



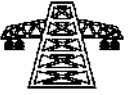
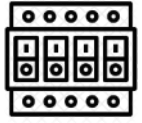
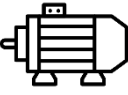



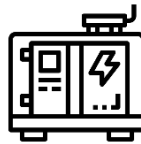









# We work along six main categories related to installation, repairs, engineering and production




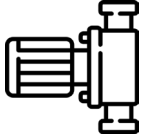


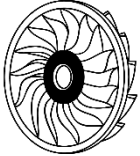

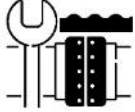

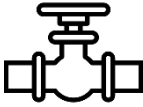
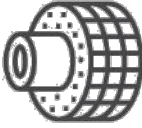


# Electrical installation and repair (category 1 & 3) can be divided into the following services



Electrical Transmission	Electric Power Systems and Management	Electric devices	Specialized equipment
 <p>Installation of poles, portals and equipment for electrical network and substations</p>	 <p>Electrical panels and switchgears</p>	 <p>Electrical motors</p>	 <p>Telecommunication equipment</p>
 <p>Underground cable installation and repair work</p>	 <p>Boards and cabinets</p>	 <p>Electric generators</p>	 <p>Heat tracing</p>
 <p>Cable and wiring replacement</p>	 <p>Transformers</p>	 <p>Other devices</p>	 <p>Lighting systems</p>
 <p>Power and control cable installation and replacement</p>	 <p>Electric grounding</p>		



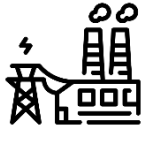

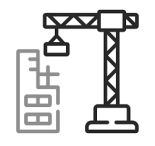



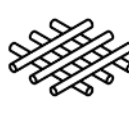

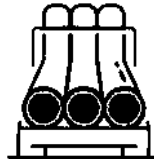

# Mechanical installation and repair (category 2 & 4) can be divided into the following



Main equipment	Auxiliary equipment	Heat and water pipes	Other
 Boiler equipment	 Pumps	 Pipeline construction	 Generic metal works
 Turbine equipment	 Heat exchangers and oil coolers	 Repair / rehabilitation	 Welding services
	 Valves	 Insulation	
	 Bearings	 Shock absorption	

# The remaining two categories (5 & 6) can also be divided into several subgroups

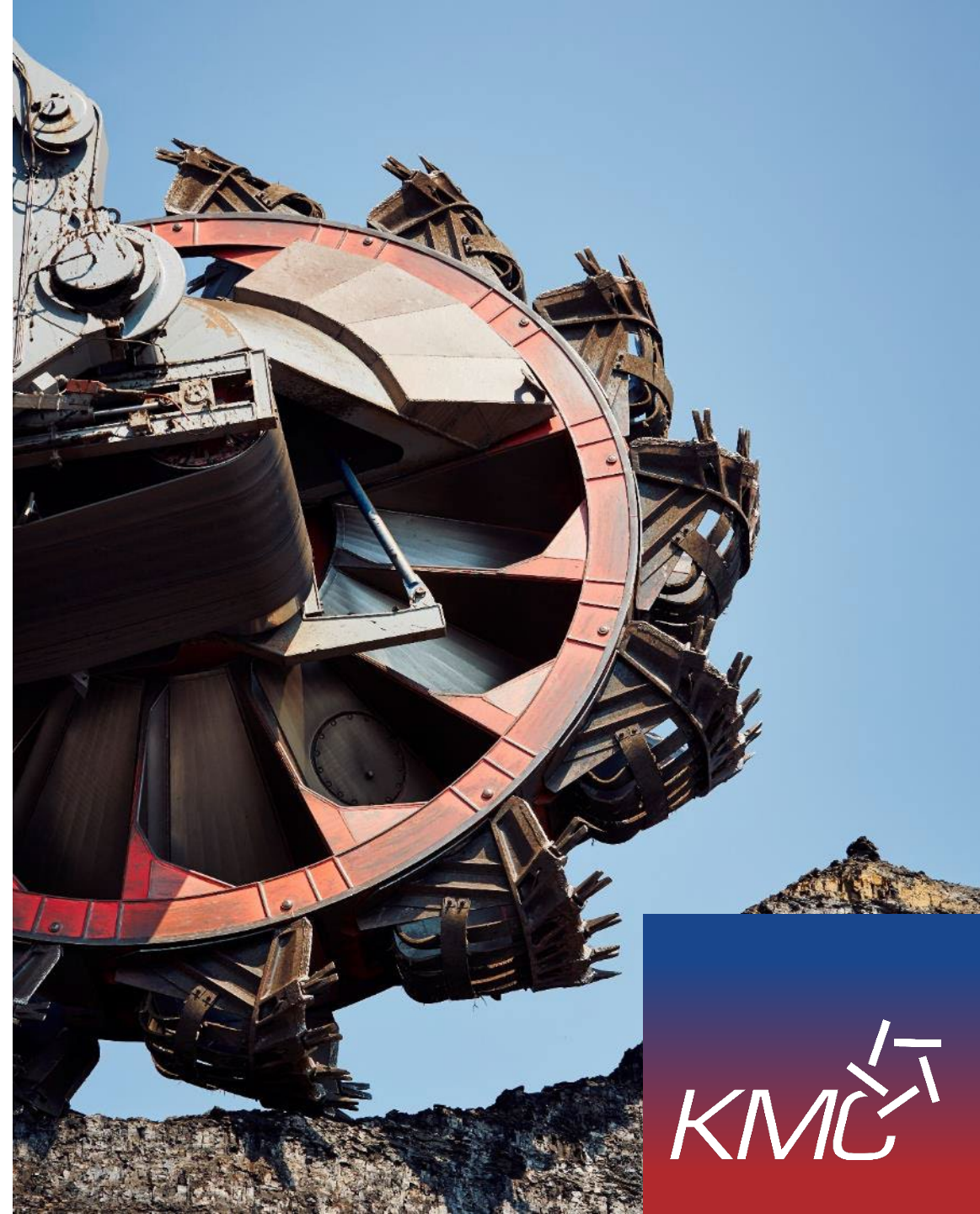


5 Engineering		6 Steel frames / Metal constructions	
	Nuclear power plant engineering services		Technological equipment engineering
	Energy technology engineering services		Reporting and analysis
	Construction sector engineering		Logistic / warehousing facilities
	Industrial engineering		Infrastructure projects
			General purpose
			Mechanical equipment support
			Pipelines
			Sheet metal constructions
			Non-standard equipment

# OUR SERVICES

## REPAIR OF HEAVY MINING EQUIPMENT

- ✓ Repair of rotary excavators
- ✓ Repair of bucket chain excavators
- ✓ Repair of bulkers
- ✓ Replacement of roller blocks and rotor units
- ✓ Repair of Rubber Belt Conveyors
- ✓ Rehabilitation of existing and construction of new facilities
- ✓ Construction and rehabilitation of electrical systems and equipment

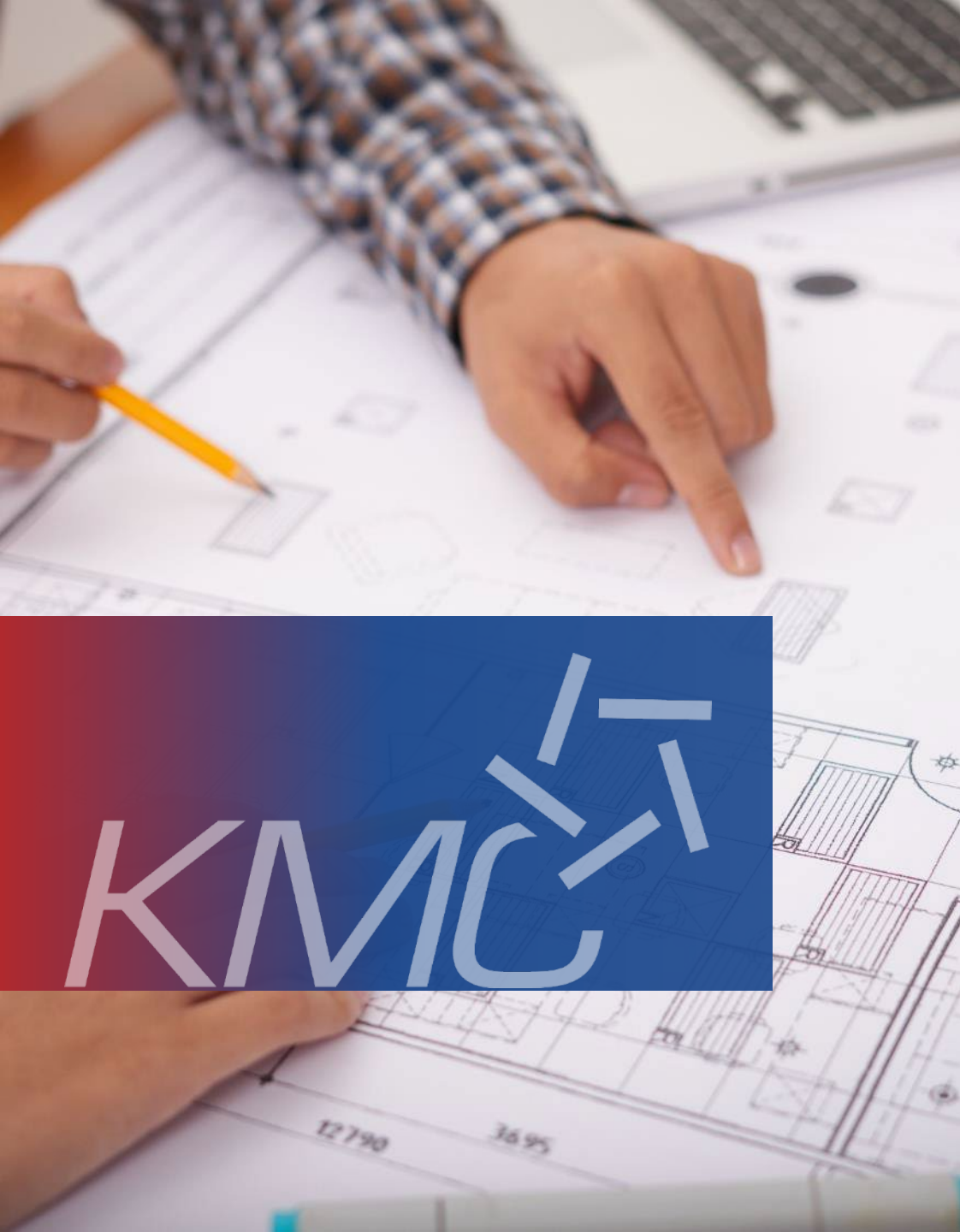


# INVESTMENT IN THE FUTURE

The aspiration to constantly modernize the production capacities of **KMC JSC** has led to the decision to start the construction of a new **high-tech production** site dedicated to the manufacture of small, medium and large stainless steel structures.

It will be extended by a **modern administrative building** meeting the needs of the company and satisfying all energy efficiency requirements.





## REFERENCES



- Kozloduy NPP - Mechanical and electrical installation work on main and auxiliary equipment and systems of nuclear power units 5 and 6 during and/or related to scheduled annual overhauls - 2019 -2023;
- Kozloduy NPP - Installation works for replacement of RT and Cross cabinets of Units 5 and 6;
- Kozloduy NPP - Replacement of heat exchangers and piping of fans 6TL04D02 and 6TL05D01;
- Kozloduy NPP - Construction of external water supply system for fire fighting to warehouses in the Logistics Department;
- Kozloduy NPP - Construction of pipeline from HVO-2 to neutralization pits (NP) with PVC pipes and reconstruction of neutralization pits
- Kozloduy NPP – Overhaul of cable tunnels/channels and cable trays for voltage up to 6kV in EP2, providing connections of building “New back-up power supply” with Units 5 and 6;
- Kozloduy NPP - Overhaul of 5 Offshore water pumps, type ОПБ5-110Э with electric motor ДВДА173-49-12-16к, 400 / 800kW.”
- SERAW - Project No. 13b and 13c – Provision of dismantling and fragmentation tools and equipment in Reactor and Auxiliary building - Equipment for Localised Air Cleaning and Vacuum Decontamination; Equipment and Components for Installation of Temporary Electrical Systems



## REFERENCES

- TPP Sofia Iztok - Disassembly and installation of a new Turbogenerator TG 3 - Electrical and instrumentation and automation equipment Part;
- TPP "Maritsa East 2 TPP" EAD - Restoration of compromised sections of desalinated water tank (ROV-2)";
- TPP "Maritsa East 2 TPP" EAD - Replacement of the slurry pipeline and fire protection pipeline
- TPP Varna PLC - Dismantling, delivery, installation and adjustment of gas distribution installation of unit 6;
- Contour Global Maritsa East 3 PLC - Repair of turbine equipment;
- Toplofikatsia Sofia - "Engineering of "Orlandovtsi THP";
- Toplofikatsia Sofia - Supply of instrumentation and automation equipment for heating substations;
- Toplofikatsia Sofia - Delivery, dismantling, installation and commissioning of heating substations;
- Toplofikatsia Sofia - Construction works for replacement of sections of the heat transmission network;
- Trolleybus transport of Vratsa - Reconstruction of existing overhead catenary and Rectifier station 1 and Rectifier station 2;
- Bulgartransgaz - Design, implementation and commissioning of the construction of "Electric substation 110 / 6kV, compressor station Valchi Dol";
- Koncar-Energy - Rehabilitation of Belmeken HPP, Sestrimo HPP and Momina Klisura HPP;





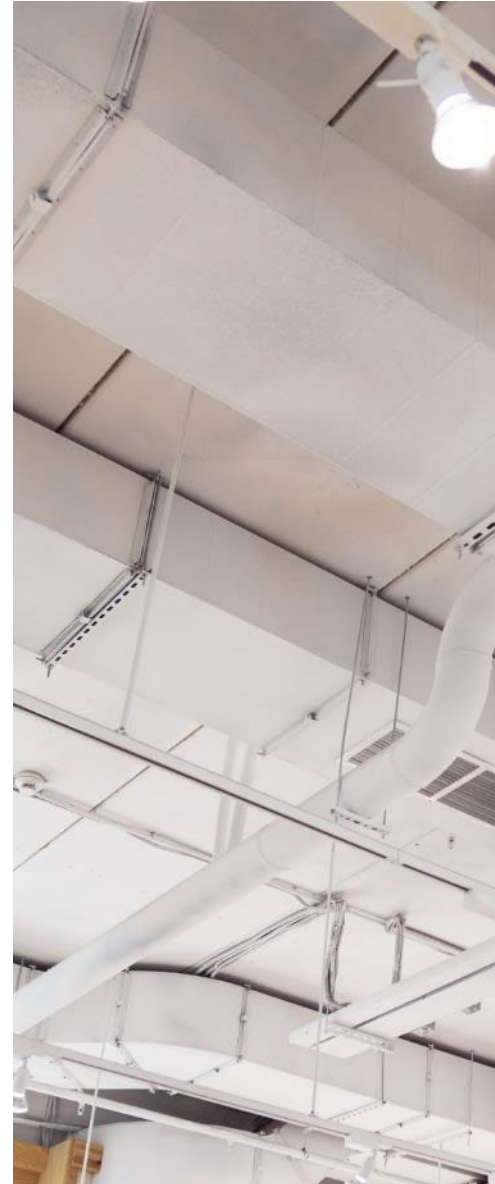
## KEY PARTNERS AND CUSTOMERS

- Hitachi Energy Bulgaria EOOD
- Siemens Energy Ltd
- Koncar -Engineering DD Zagreb
- Danfoss
- DIEHL Metering GesmbH
- OBO Bettermann Bulgaria EOOD
- NPP Kozloduy PLC
- State Enterprise Radioactive Waste
- TPP Maritsa East 2 EAD
- ContourGlobal Maritsa East 3 PLC
- Electricity System Operator EAD
- National Electric Company EAD
- Bulgartransgaz EAD
- Maritsa East mines EAD
- Toplofikatsia Sofia EAD
- Lukoil Neftohim Burgas PLC
- Aurubis Bulgaria PLC
- Mondi Stambolijski PLC



# ONGOING PROJECTS

- Kozloduy NPP - Scheduled Annual Repairs - Repair Works - 2023-2024;
- Kozloduy NPP - Scheduled Annual Repairs - Electrical Works - 2023-2024;
- Kozloduy NPP - Modernization of the safety systems AZ/PZ, ARM and AROM of power units 5 and 6;
- Kozloduy NPP - Replacement of 6 KV switchgear sections, sections 5BK, 5BY, 6BK, 6BY, BE, BF, BG, BH;
- Kozloduy NPP - Modernization of rotating filter grids of the 5,6VA Danube water purification systems in CPS 3 and CPS 4;
- Kozloduy NPP - Supply, design and installation of high voltage switching equipment in 110 kV Outdoor Switchgear;
- Kozloduy NPP - Replacement of 6/0,4kV transformers (5,6BU08 and 5,6BU09) and 0,4kV switchgear (5,6CC and 5,6CD);”
- Kozloduy NPP – Dismantling of 9 (nine) rotating filter grids in CPS 2
- State Enterprise RAO – Project 35-1 - Power supply for NPP and RAO facilities and buildings;
- State Enterprise RAO – Project 32b-6 Design and implementation of Emergency Power Supply for the Consumers of Compressed Air and Nitrogen Station to the PMF



**All processes  
in KMC JSC  
have clear rules  
and deadlines  
as well as  
responsible  
leaders!**

# ONGOING PROJECTS

- National Railway Infrastructure Company - Design and modernization of traction substation of Boychinovtsi;
- Electricity System Operator EAD - Extension of the 31,5 kV Outdoor switchgear at Maritsa East substation;
- Greens OOD – Construction works of a step-up substation 33/110kV “PV Greens“
- Toplofikatsia Sofia - Design, supply, construction and design supervision of main heating transmission pipelines
- Toplofikatsia Sofia - Construction works for replacement of sections of the heat transmission network;
- Toplofikatsia Sofia - Delivery, dismantling, installation and commissioning of heating substations;
- Toplofikatsia Sofia – Delivery of instrumentation spare parts for heating substation
- Toplofikatsia Sofia – Modernization of turbogenerator №8
- Mini Maritsa East EAD - Repair work on heavy mining equipment and rubber belt conveyors;
- Mini Maritsa East EAD - Repair, refurbishment and replacement of excavator cabs;
- Mini Maritsa East EAD – Construction of new electrical house for 3C 1341



**We at KMC JSC  
believe that  
honesty and  
transparency are  
the cornerstones  
of trust in the  
business sector!**



## CERTIFICATES

- Quality Management Certificate - ISO 9001:2015
- Environmental Management Certificate - ISO 14001:2015
- Occupational Health and Safety Management System Certificate - ISO 45001:2018
- Welding procedure management system certificate - international standard EN ISO 3834-2: 2005;
- Management System Certificate – SA 8000:2014
- Information Security Management System ISO/IEC 27001:2013.



## Registration in the Bulgarian Construction Chamber for:

- 1st group - high-rise buildings construction (residential, public-service, industrial), associated infrastructure, electronic communication networks and facilities - category I to V;
- 2nd group - transport infrastructure buildings - category I to IV;
- 3rd group - energy infrastructure constructions - category I to V;
- 4th group - constructions of public works and infrastructure projects, hydraulic engineering and environmental protection - category I to V.



- Certificate of the State Agency for Metrological and Technical Surveillance of entities involved in the maintenance, repair and reconstruction of equipment with elevated risk, pressure vessels, steel pipelines for steam and hot water;
- Certificate of conformity of the production control system in the enterprise EN 1090-1:2009;
- Welding certificate EN-1090-2:2018 EXC 4 acc. BDS;
- BDS EN IEC 60079-19:2020 Explosive atmospheres. Repairs, overhauls and equipment repairs.



# Thank you

We are looking forward to working together!

We are at your disposal for any further questions.

## Contacts:



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