

**welcome to enetecs  
engineering technologies**





## who we are

We are a team of experienced experts supplying specialist engineering for the power and automation industries with the use of the most modern technologies.

We have gained our experience mainly in Elsta Group, a global network supplying specialist E&I turn-key solutions for industrial clients.

In 2019, as the Group's strategy evolved, a part of the Engineering Department was outsourced and Elsta Engineering was created as a separate entity.

# trusting us pays off

## 87 completed projects

No person is the same, no project is alike. We think outside the box and give you tailored solutions best suited to your project.

## 20 years of experience

For over 20 years we have been optimising project costs and execution thanks to precision engineering, outside-the-box thinking and cutting-edge technologies.

## 20 experienced engineers

Our team is your advantage. We have executed a number of major international projects. Working both remotely and on site, we're familiar your needs.





# what makes us stand out



**Practical approach to design based on our engineers' experience**



**Striving to optimize costs within engineering activities (value added engineering)**



**Quality assurance systems based on the software applied**



**Own surveillance and work monitoring tools**



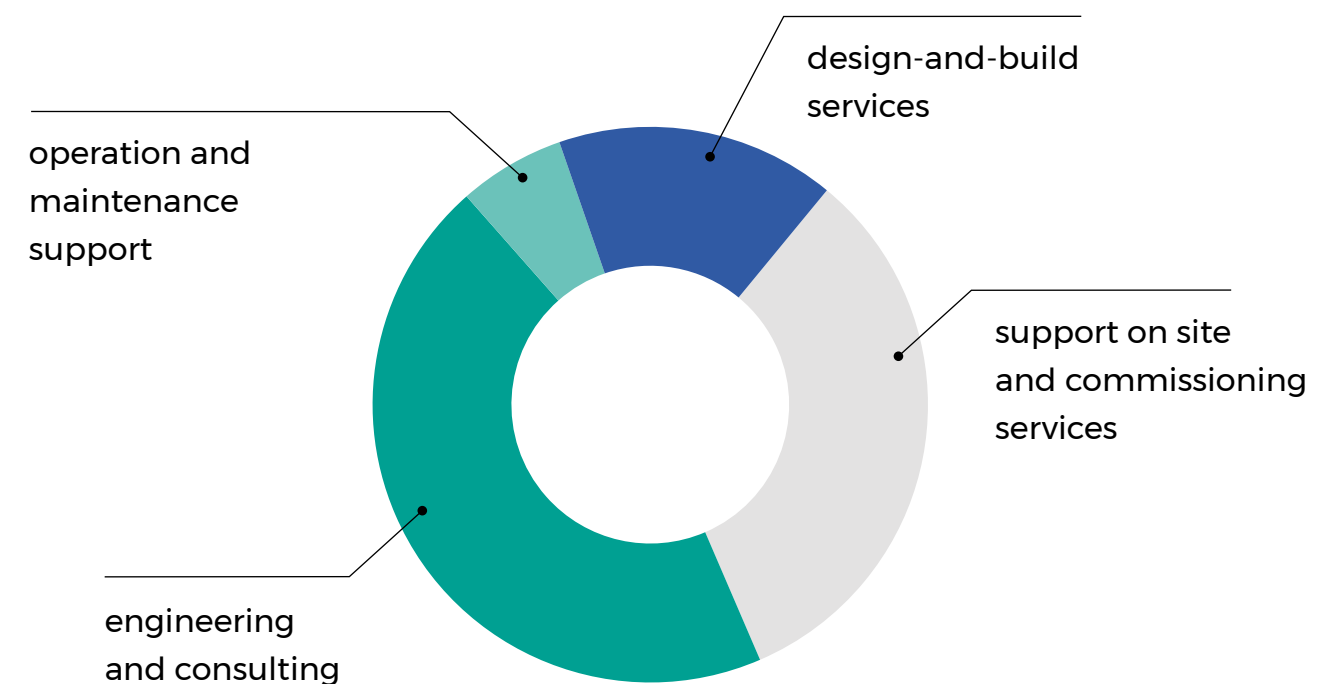
**Young and dynamic team using from Industry 4.0 solutions and tools**

# what we specialize in

We specialize in electrical and I&C engineering including 3D modeling (BIM), cable route design, technical calculations, switchgear design, selection of equipment, lighting and earthing installations.

Moreover, we can help optimise your projects by sending our specialists directly on site, both in the construction and commissioning phases, as well as during operation.

## our services in segments



# engineering and consulting

**we deliver  
the services for**



low-voltages LV



medium-voltages MV



high-voltages HV



We have an eye for detail.  
We understand smooth  
project execution on site  
begins with our designs.





## how we can support your project

At Enetecs, we manage the engineering process from scratch (pre-contract, basic design, consultation, verification of technical solutions), through detailed designs, to the as-built documentation. At all times, we remain flexible – you may have us aboard at any project stage that best fits your needs.

If required, we can help you with complete plant surveys, including civil, process and mechanical design.

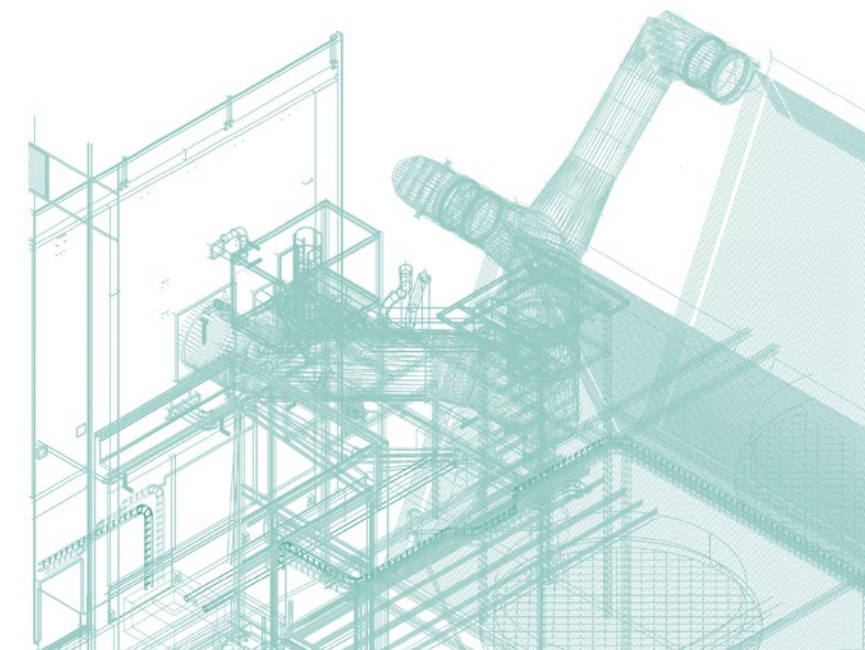
We bring a trusted network of trusted engineering and consulting companies for you to draw down on.

## support during the conceptual design phase

- initial planning and conceptual engineering
- feasibility studies – verification how a given solution will affect the entire plant and systems
- preparation of basic planning documents and compilation of proposals
- taking care of the formal aspects of your project, including dealing with necessary local approvals and acceptance processes
- preparation of tender documentation to award the contract in parts, or to appoint a general contractor for the E&I&C branch
- ensuring procurement of the required quality, within a set budget and schedule
- assistance during sourcing, tendering and procurement processes

## detailed design examples

- calculations for HV, MV and LV networks
- plant connection to the grid, including dealing with utilities and local approvals
- selection of HV, MV and LV equipment, including detailed studies and design of such equipment (primary and secondary circuits)
- selection of UPS systems and 110Vdc supply
- complete cabling studies carried out in accordance with applicable local regulations, construction standards, industry standards and regulations
- selection of HV, MV and LV cabling, control, and communication
- technical specifications and cabling recommendations for all materials
- detailed bills of materials
- circuit diagrams of control and measuring equipment
- circuit diagrams of switchboards and distribution boards
- loop diagrams
- earthing, equipotential bonding and lightning protection installations
- basic/emergency and illumination lighting installations
- as-built documentation in electronic or 'red-pen' version (detailed list of documents available on request)



## 3D modeling and BIM

- design of 3D cable routes including cable pulling cards, support for BIM technology
- design of 3D cables ways support including mechanical calculation notes
- 3D implementations of objects and electrical identification (KKS, ISA)
- reverse engineering of the existing plant- 3D scanning of existing plant with a scanner or drone (point cloud)

## engineering software



## partners



Polski Klaster Budowlany  
Krajowy Klaster Kluczowy



