



**TOGETHER WE CREATE
TECHNOLOGY OF THE FUTURE**

ASE ATEX
ASE GROUP

BPR
ASE GROUP

EKO-KONSULT
ASE GROUP

PROJMORS
ASE GROUP

SQUADRON
ASE GROUP

30 years
market activity

16 innovative companies
under one roof

400 specialized
engineers

7 branches
in the world

70 mln EUR
estimated annual turnover

ASE GROUP





Group mission

Our mission is **to provide safe technologies and solutions** for industry and economic infrastructure. Our many years of experience in the **OIL&GAS industry** provide a solid foundation for implementing this mission.

We operate in all important areas of energy transformation:

Offshore wind farms

Reducing emissions of heating

Hydrogen

Electrification of ports and adaptation to the electricity grid of the energy transformation

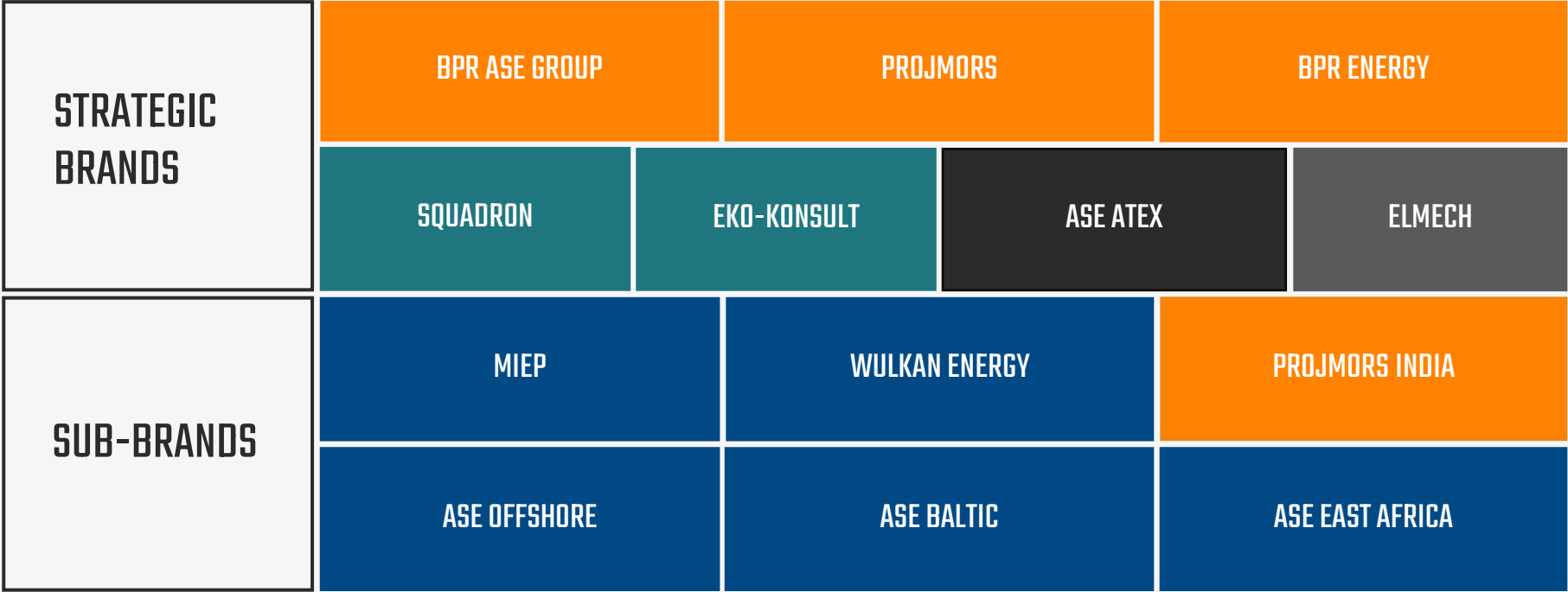
Storage of electrical and thermal energy

Nuclear energy technologies

Modernization of the polish chemical, petrochemical and fuel industry



Functional structure



 **400**
engineers

-  Engineering / EPC
-  Consulting & training
-  Service outsourcing
-  Producer
-  Engineering integrator

Together we create technologies of the future

16 innovative companies under one roof



Zero emission fuels



Offshore wind energy



District heating



Energy consulting



Nuclear energy technology



Safety of industrial installations



Hydrogen technologies



Energy storage

ASE GROUP Competencies

Comprehensive implementation of investment processes
– ASE GROUP ensures compliance with standards, cost optimization and the highest safety standards.

30 years of activity
in the market industry



Concepts and
permission to
publish



Executive
designs



Environmental
impact
assessments



Fire and Ex
consultancy



Investor
supervision



Production
(energy storage)



Supply
and construction



Installation
and service
warranty

Our locations

POLAND

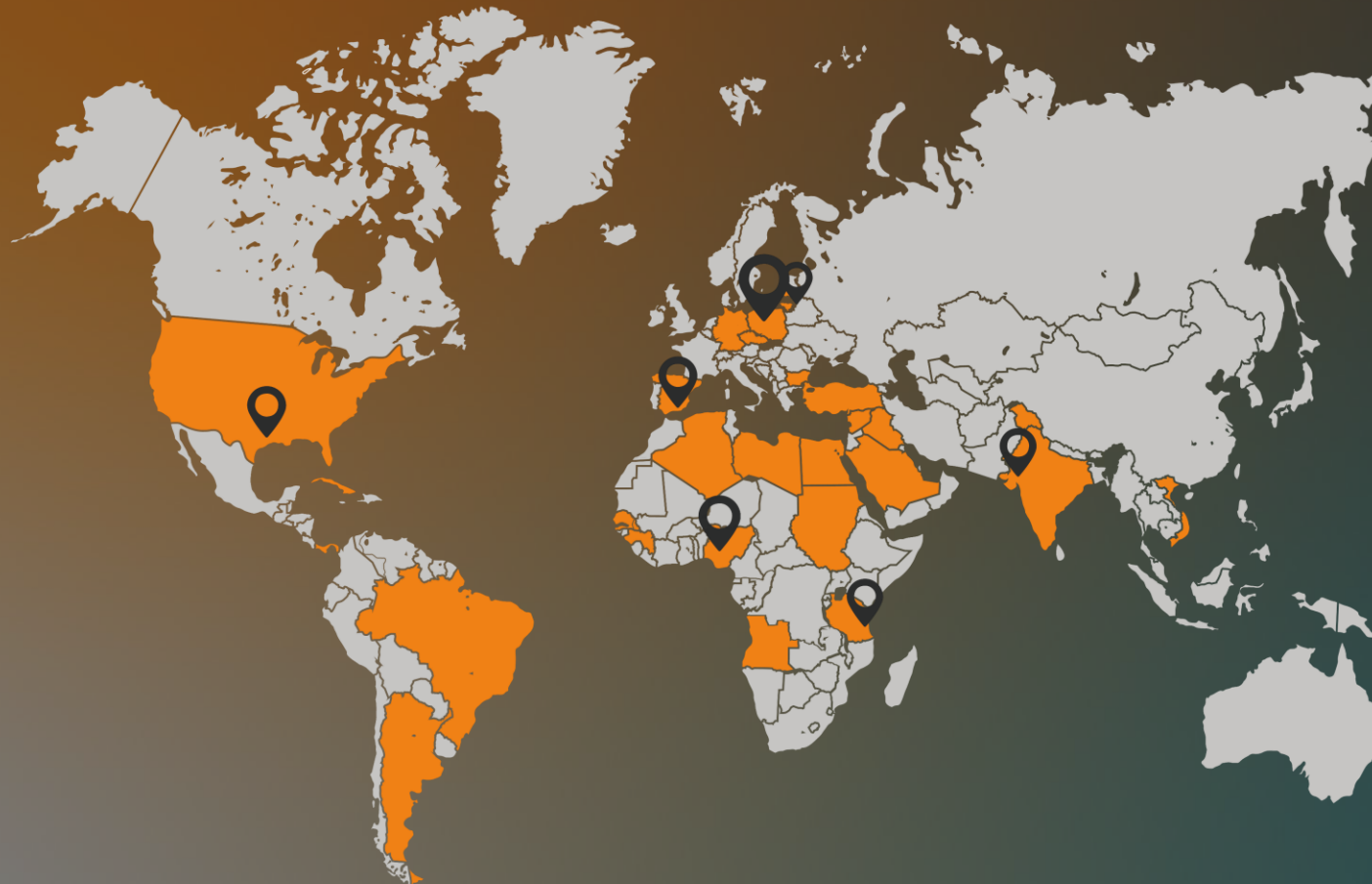
ASE GROUP Sp z o.o.
Narwicka 6, 80-557
Gdańsk

LITHUANIA

UAB „Automatikos sistemų
inžinerija“
J. Basanavičiaus 26-15,
LT-89217, Mažeikiai, Lietuva

SPAIN

Avenida de la Innovación,
Edificio Renta , 1B 1C,
Seville, Andalusia 41020



INDIA

B-514, Ratnakar Nine Square,
Opp. Kashav baug,

Mansi Circle Road, Vastrapur,
Ahmedabad 380015,
+918905998918

NIGERIA

Representation Benin City, 53,
Uwadaie Street, Off Etete,
G.R.A Benin City
+234 703 616 6631

TANZANIA

Dar Es Salam, P.Box 63065
+255 789 033 298



BPR
ASE GROUP

BPR ASE GROUP

Engineering and implementation of investment projects

We support our clients at every stage of the investment process: from technology selection through feasibility study, program and spatial concept, budgeting, construction designs, executive designs, completion of deliveries, construction and assembly works, start-ups and final acceptance of the investment.

BPR ASE GROUP

**OVER
50 years**

experience and continuous
operation

OVER 5 000
cross-industry projects

EPC projects
experience in turnkey projects

**Investment
supervision**
with comprehensive support
for foreign investors



Energy Design Stages

From concept to final acceptance – we design, build and implement modern technologies, providing full support at every stage of the investment.

5 000 multi-discipline
installation projects



Executive
designs



Administrative
permits



Program
concepts
- spatial



Feasibility
study



Selection and
integration of
technologies



Procurement



Turnkey
project



Full warranty
service



Functional
tests



Start-up and
commissioning



PROJMORS
ASE GROUP

PROJMORS ASE GROUP

We design a new reality

We specialize in technical consulting, investor supervision, project management and investments in hydrotechnical construction, including offshore wind energy.

PROJMORS ASE GROUP

77 years

experience and continuous
operation

Over 325

completed projects
in 2017-2024

63 permits

for construction in offshore
areas 2019-2024

22 000

completed projects

120 engineers

with many years of experience



PROJMORS

Main areas of activity

HYDROTECHNICAL OBJECTS

- Ports
- Terminals
- Quays
- Breakwaters

OFFSHORE WIND ENERGY

We are currently participating in all offshore wind farm projects in the Baltic Sea

MILITARY FACILITIES

- Aircraft Maintenance Hangars
- Military Projects
- Headquarters Building
- Tank Garages

The background image is a composite of two aerial photographs. The top half shows a large industrial power plant with several tall smokestacks and a large cooling tower emitting a plume of white steam. The bottom half shows a lush green golf course with winding paths and small water features. The entire image is overlaid with several white, rounded geometric shapes (triangles and trapezoids) that frame the central text and divide the background into sections.

BPR ENERGY
ASE GROUP

BPR ENERGY

New energy for heating and cogeneration

BPR ENERGY, formerly known as Camino Project, is one of the multi-sector companies belonging to BPR ASE GROUP, which provides comprehensive design studies

The company has undergone a transformation from a classic design office into a specialist entity implementing projects in the field of energy and heating, including the use of renewable energy sources.

BPR ENERGY ASE GROUP

AREAS OF ACTIVITY

Heating
and cogeneration

Conventional and nuclear
energy

Sanitary installations and
industrial sewage systems

Our locations

GDAŃSK – OFFICE LOCATION

BPR ENERGY Sp z o.o.
Narwicka 6, 80-557 Gdańsk, Poland

KRAKOW BRANCH

Green Office Center
ul. Walerego Sławka 5
30-633 Kraków, Poland

ZABRZE BRANCH

Wolności 94,
41-800 Zabrze, Poland



Examples of projects:

1. **HEAT RECOVERY FROM RAW SEWAGE - WARSAW**

Heat pump using untreated sewage as a heat source for the municipal heating network

2. **CONCEPT OF A CHEMICAL HEAT PUMP - PŁOCK**

Conceptual design of a chemical heat pump for industrial applications

3. **ZERO-EMISSION CEMENT PLANT - KUJAWY**

We are developing a transmission pipeline design with a pumping station and a complete solution for the transfer of liquefied CO₂, enabling fast, safe and fully controlled loading of 40 wagons in less than 10 hours

4. **ORLEN PŁOCK**

Organic odour nuisance for retention reservoirs, author supervision

5. **ORLEN GUTKOWO**

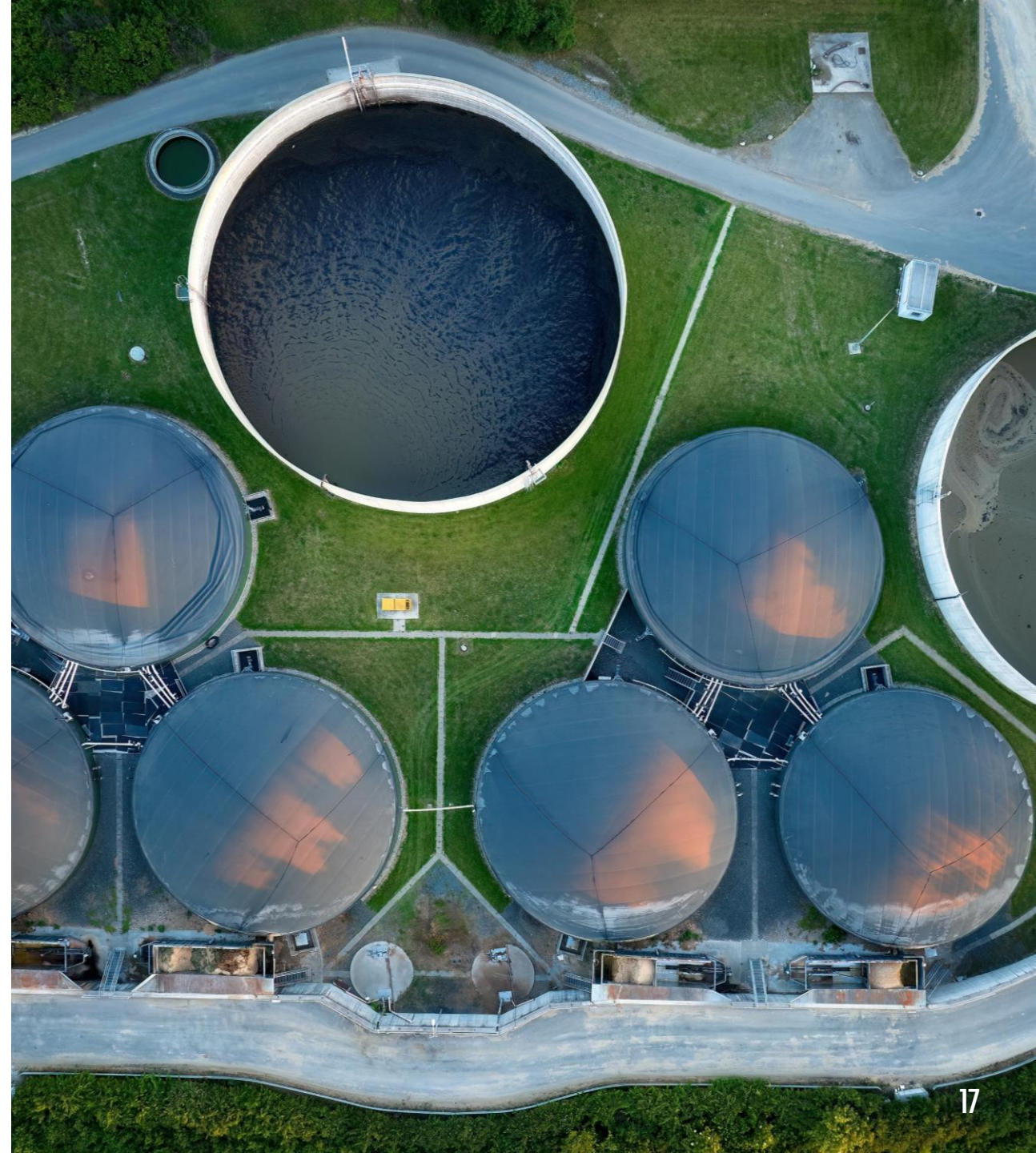
Detailed design for the modernisation of lighting in transshipment terminals, railway terminals and tank terminals. Technical consulting

6. **AZOTY - ZOŚKA - BIOGAS PLANT**

Technical and economic concept for the construction of a Thermal Treatment and Raw Material Recovery Plant. Cogeneration

7. **POWER PLANT MOCHOVCE**

2D and 3D design documentation for fire protection systems



EKO-KONSULT
ASE GROUP



EKO-KONSULT ASE GROUP

We are a consulting company providing services in the field of safety for industry and the environment.

We support the energy market - including offshore, Oil & Gas and renewable energy - as well as other industrial sectors: chemical, petrochemical, mining and food.



SCOPE OF SERVICES

**ENVIRONMENTAL
CONSULTING**
Investments and procedures

PROCESS SAFETY
Threat and risk analysis

SEVESO
Preventing major accidents

**ENERGY OPTIMIZATION
CONCEPTS**

ATEX
Explosion-proof analyses

FIRE PROTECTION
Fire protection analyses for
plants and installations

SIL
Functional safety

SAFETY ACADEMY
Specialized training

HYDROGEN ACADEMY
Hydrogen technologies



Environmental protection in the investment process

- Procedures for obtaining environmental decisions
- Location analyses
- Environmental studies
- Environmental impact reports
- Project Information Cards (KIP)
- Public consultations
- Water audits

EKO-KONSULT ASE GROUP: Sustainable Industry Transformation

EKO-KONSULT's new goals and activities are in line with the European Green Deal policy, which aims to achieve climate neutrality by 2050. The "green" transformation sets the directions for development, investment and the legal framework, creating both new opportunities and challenges.

EKO-KONSULT promotes a modern, conscious industry in which the implementation of business goals takes into account care for the environment and climate.

Using innovative solutions derived from military technologies, EKO-KONSULT focuses its activities on energy transformation - with particular emphasis on the hydrogen industry and renewable energy markets.

75% CO₂ emissions

in the EU comes from the energy sector
– that is why energy transformation is crucial.



Environmental protection in the enterprise

- Integrated permit procedures
- Post-implementation analyses
- Ecological reviews
- Adjustment programs



SECURITY ACADEMY

Certified Training

- Explosion safety
- Process safety
- Fire safety
- Functional safety
- Environmental protection

IECEx recommends the ASE GROUP Safety Academy, awarding it the title of **IECEx Recognised Training Provider**. The international verification body recognises that during the training at the ASE GROUP Safety Academy, the participant will be provided with knowledge in the scope necessary to obtain **the IECEx Certificate of Personnel Competence**.

17 000 trained participants

20 types of training

CERTIFICATION
QUALITY

Hydrogen Academy Training

The specialist training cycle begins with an introduction to hydrogen technologies at a **basic level**.

The next stage – **advanced** – discusses general safety principles for hydrogen installations.

At expert levels, detailed technical and technological solutions are discussed, e.g. selection and installation of explosion-proof devices in hydrogen gas atmospheres.



Environmental documentation

for offshore wind farms

Report on the environmental impact of the Baltica Offshore Wind Farm

Client: MEWO S.A., Maritime
Institute in Gdańsk

Date: 08.2016 – 11.2017

Investor: GK PGE

Stage: 2020 Environmental decision

Report on the environmental impact of the Baltic Power Offshore Wind Farm

Client: MEWO S.A.,
Date: 03.2020 – present

Investor: PKN ORLEN

Stage: In progress

Analysis of decisions on environmental conditions issued for the Bałtyk II and Bałtyk III offshore wind farms and for the electricity transmission infrastructure

Client: CDM Smith

Date: 04/2020



ASE ATEX
ASE GROUP



ASE ATEX ASE GROUP

We provide comprehensive solutions of safe technologies for industry. We specialize in implementations and integrated solutions at the highest world level based on our own know-how and products of renowned suppliers.

Industrial systems integrator

Products and solutions		IT systems for industry	Services	Service
Electrical devices in EX version	Fire detection and extinguishing	Inspector-ex	Monitoring VOC, H2, N	Start-ups and commissioning of installations
Electric heating systems	Tank metering	Inspector-svc	Legalization of tanks	
Explosion protection	Measuring instruments	Inspector-ldar	Installation inventory	Warranty and post- warranty inspections
Gas and flame detection	Technological installations and devices	Inspector-fire protection	Audits of expertise	
Leak and emission detection		Inet	Training webinars	Permanent service contracts
			Automation	

Products and solutions

Explosion-proof electrical devices



Fire detection and extinguishing



Electric heating systems



Measuring instruments (including for tanks)



Stationary gas leak detection (including hydrogen)



Portable gas detectors



Explosion protection

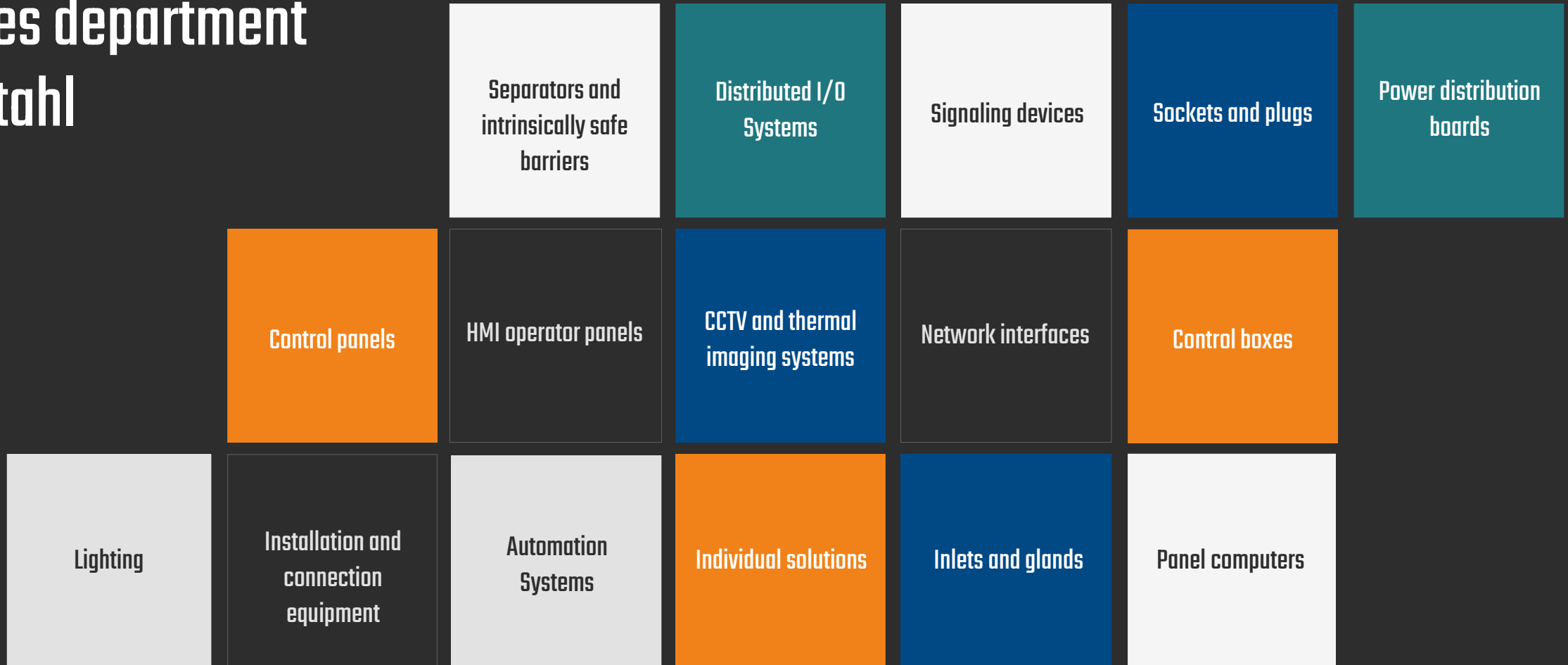


Fiber optic temperature detection



Service

Sales department R.Stahl





elmech

ELMECH-ASE

We Power the Future

We design and manufacture electronics and power electronics for industry, military, railways, energy and the marine sector. We specialize in guaranteed power supply systems, improving energy quality, energy storage and conversion, and battery management.

Our solutions are based on proprietary technologies, tailored to specific customer needs. We focus on precise diagnostics, innovation and efficiency. We support sustainable development by reducing the use of fossil fuels and the carbon footprint.

30 years
experience and continuous
operation

60% less CO₂
green technology

Innovative designs
experience in turnkey
projects

Polish production
with comprehensive support
for foreign investors

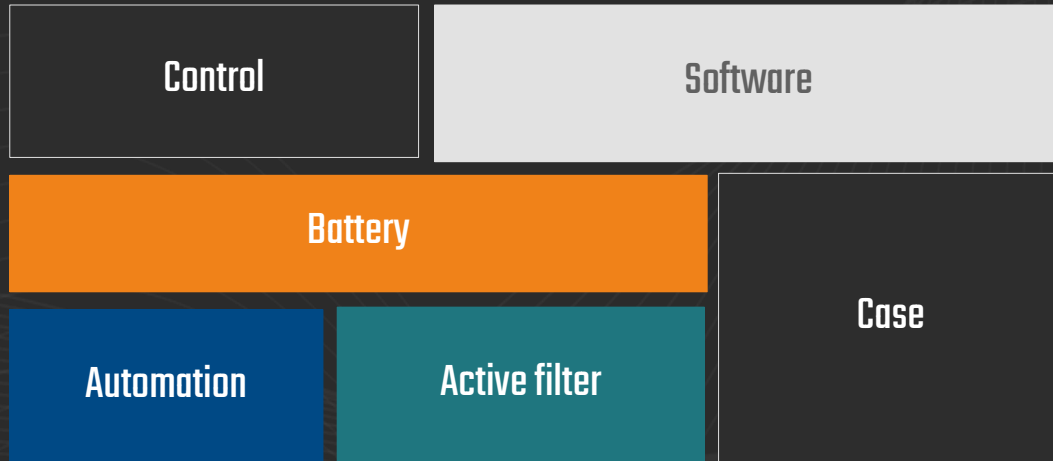


ENER GATE

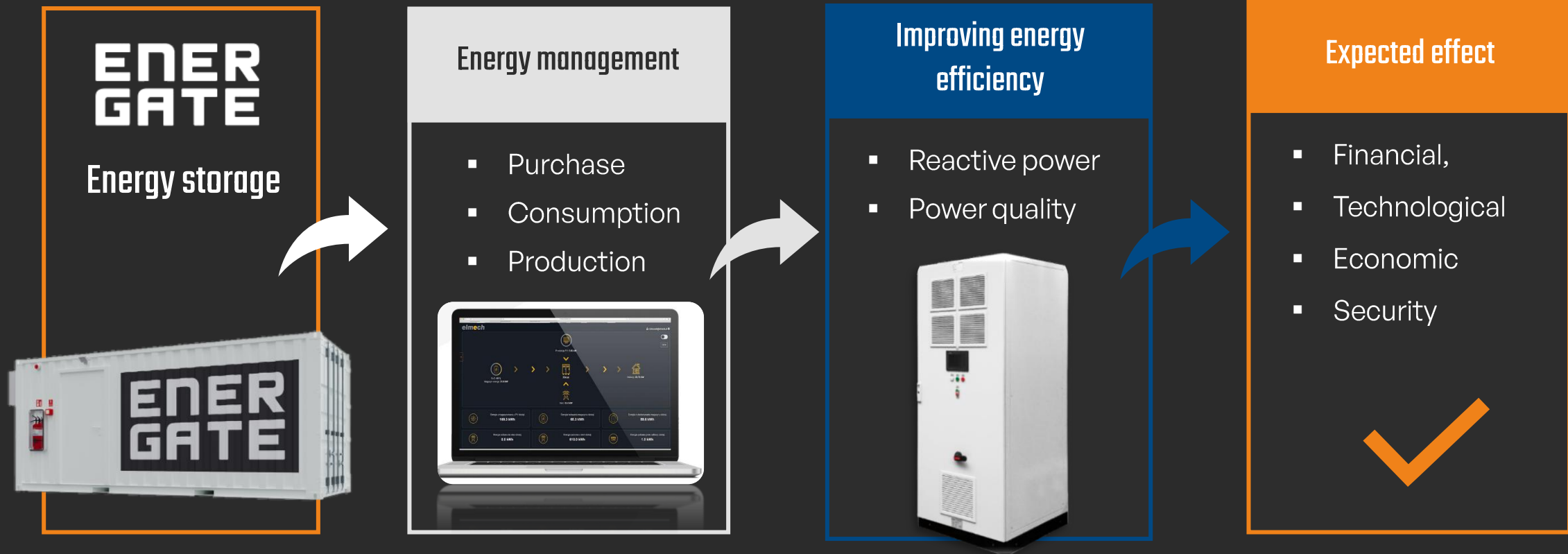
Characteristic :

- designed by ELMECH Engineers
- produced in our production plant in Pruszcz Gdański
- adapted to the needs and requirements of the Customer:

Basic elements:



Energy management process



SQUADRON
ASE GROUP



SQUADRON ASE GROUP

We specialize in providing safe, comprehensive products and services in the field of unmanned aviation as well as simulators and trainers.





Areas of activity:

Software production
for military needs

Software production

Games and
simulations

Applications, e.g. for managing
Elmech energy storage

Drones
and anti-drone systems

Offshore Wind Farm Simulator

SQUADRON:

- Unmanned aviation experts,
- IT experts,
- Certified instructors and pilots - unmanned aviation operators with military and civilian experience,
- FMV (Full Motion Video) image analysis specialists
- Specialists in geodesy and cartography.





ASE OFFSHORE

Service integrator
for **OFFSHORE WIND ENERGY**

At ASE Offshore, we combine the potential of the most experienced Polish design, advisory and consulting companies specializing in services for offshore wind farms. We originate from ASE GROUP and SMDI Advisory Group.





ASE OFFSHORE

MISSION

We create and implement best practices in effective cooperation between the investor, suppliers and stakeholders.

We jointly implement projects that modernize the energy sector in accordance with the ideas of sustainable development.

ASE OFFSHORE Services:

We provide **the highest quality** consulting services for the offshore energy sector, based on knowledge, cooperation and many years of practice.



Strategic consulting



Permissions



Research and analysis



Social communication



Investor supervision



Project management



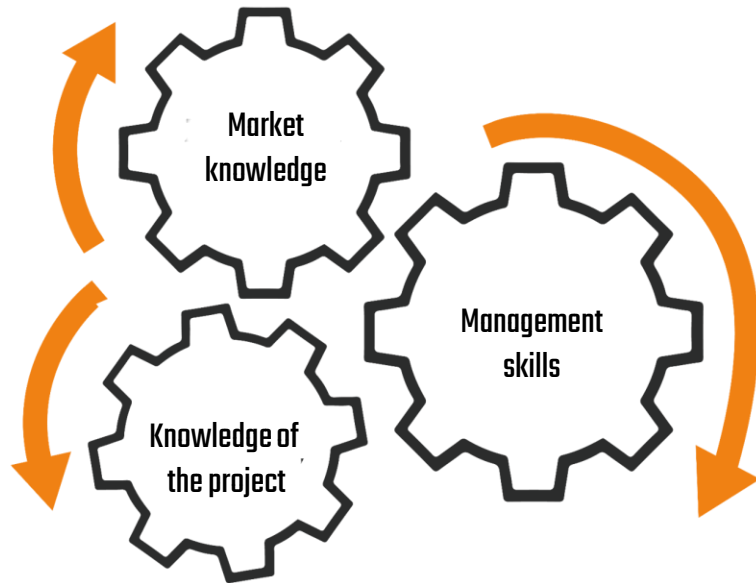
Projects



Collections

ASE OFFSHORE

Integrator and Coordinator





ASE STUDIO

Harmonious integration of construction with nature

A division of the BPR ASE GROUP company.

An interdisciplinary team of architects, interior designers, artists, constructors and engineers.



Collaboration:

From the initial discussion about the idea to the design and supervision of its implementation throughout Poland. Specialization in detailed visualizations of interiors and buildings.

ASE STUDIO



ASE STUDIO

Our mission

We design buildings in accordance with ecological standards, integrating with renewable energy sources.

We always take into account the local environment in which our projects will be embedded. We choose natural materials.

We base our philosophy on biophilic design, i.e. the bond that man feels with nature through architecture.





We invite you to contact us!

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www.ase.pl

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