

BEST[®]

SYSTEMY GRZEWCZE



ENGINEERING



CRYOGENICS



SCIENCE



SPACE

30
YEARS

LNG
for industry

INNOVATION
A step in the right direction

For 30 years, we have been focused on sustainable development, as well as setting new trends.



BEST COMPANY

RELIABLE AND PROFESSIONAL business partner

BEST Systemy Grzewcze is a family engineering business, set up 30 years ago. This company supports social initiatives, together with sports and culture promoting actions.

We are convinced that our business is not only the money – it is about corporate social responsibility. We are the part of our community!



ISO 9001, ISO 3834

Our best strengths:

Our knowledge, backed by 30 years of experience and our analytical skills,

Multidimensional cooperation, based on a partnership,

Successful, ambitious projects,

Constantly growing group of our long-term customers,

The highest innovation level confirmed by The World Bank,

Broad offer, providing safe and cutting-edge technologies for industry,

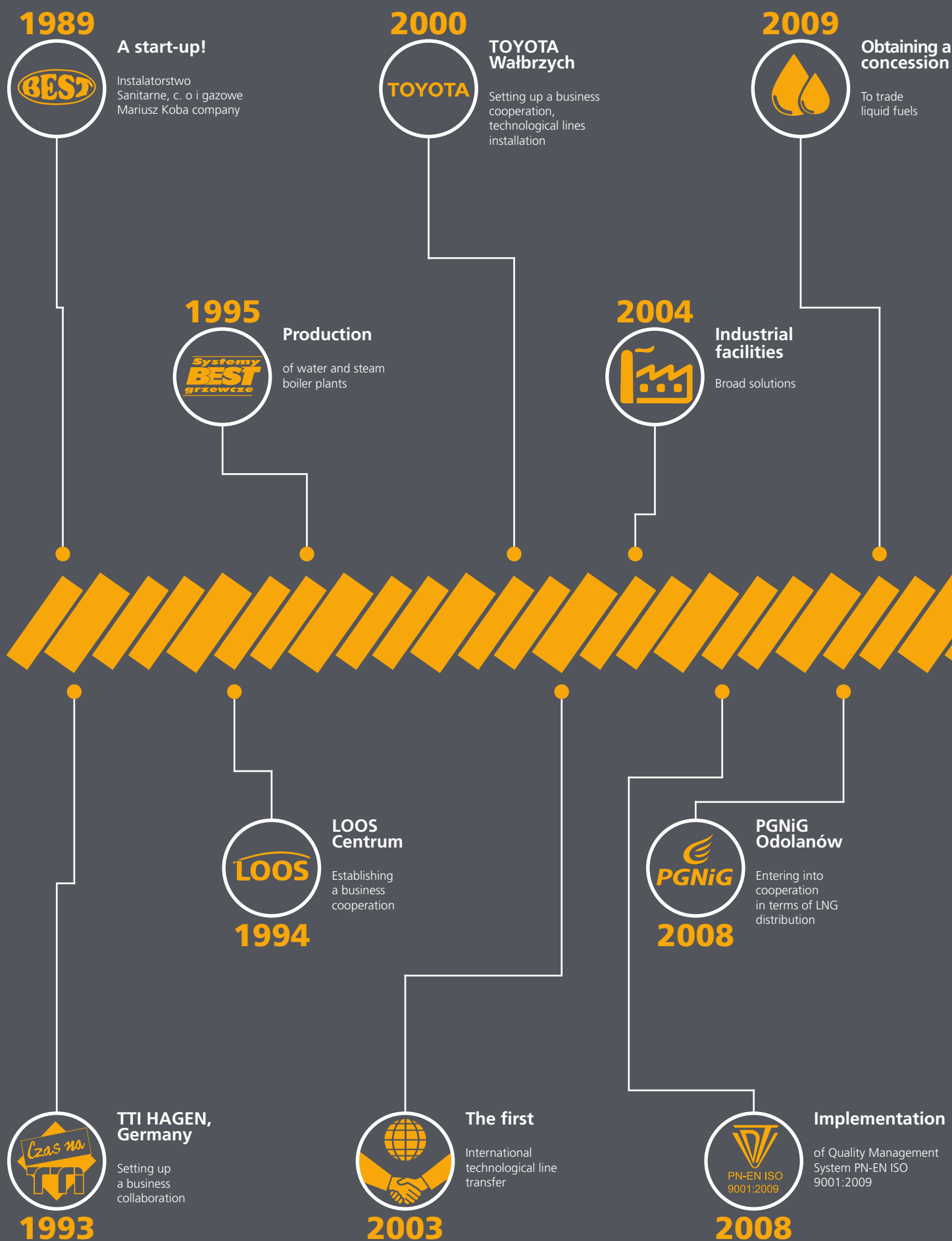
Experienced, dedicated, and skilled staff,

Effective Quality Management System ISO 9001:2015 and 3834-2:2007,

Close collaboration with research centers (research and development projects),

Rapid development, supported by innovations, imaginative solutions, and modern technologies.





2019



of EXPERIENCE!

2011



Obtaining a concession

To trade gaseous fuels

2018



Innovative device

Laser methane detector (CH4)

2014



Creation and patenting

The heat exchanger from LNG regasification

2013



BEST Sp. z o. o

A new economic entity

2016



New headquarters

Wałbrzych Special Economic Zone „INVEST-PARK”



A member of

Polska Platforma LNG, Izba Gospodarcza Gazownictwa, Klaster Technologii Wodorowych i Czystych Technologii Węglowych, Polska Izba Systemów Bezzałogowych

2010



Our own regasification plant

Co-funded by European Union (implementation of innovative technologies program)

2014



Implementation

of the Quality Requirements for Welding PN-EN ISO 3834-2:2007 Standard

2018





Innovation Professionalism Comprehensiveness

We carry out projects comprehensively – beginning with feasibility studies, through installation, launch, as well as maintenance services.

We operate in all branches of business!

They have trusted us:

TOYOTA

TOYOTA MOTOR MANUFACTURING POLAND



VelvetCARE

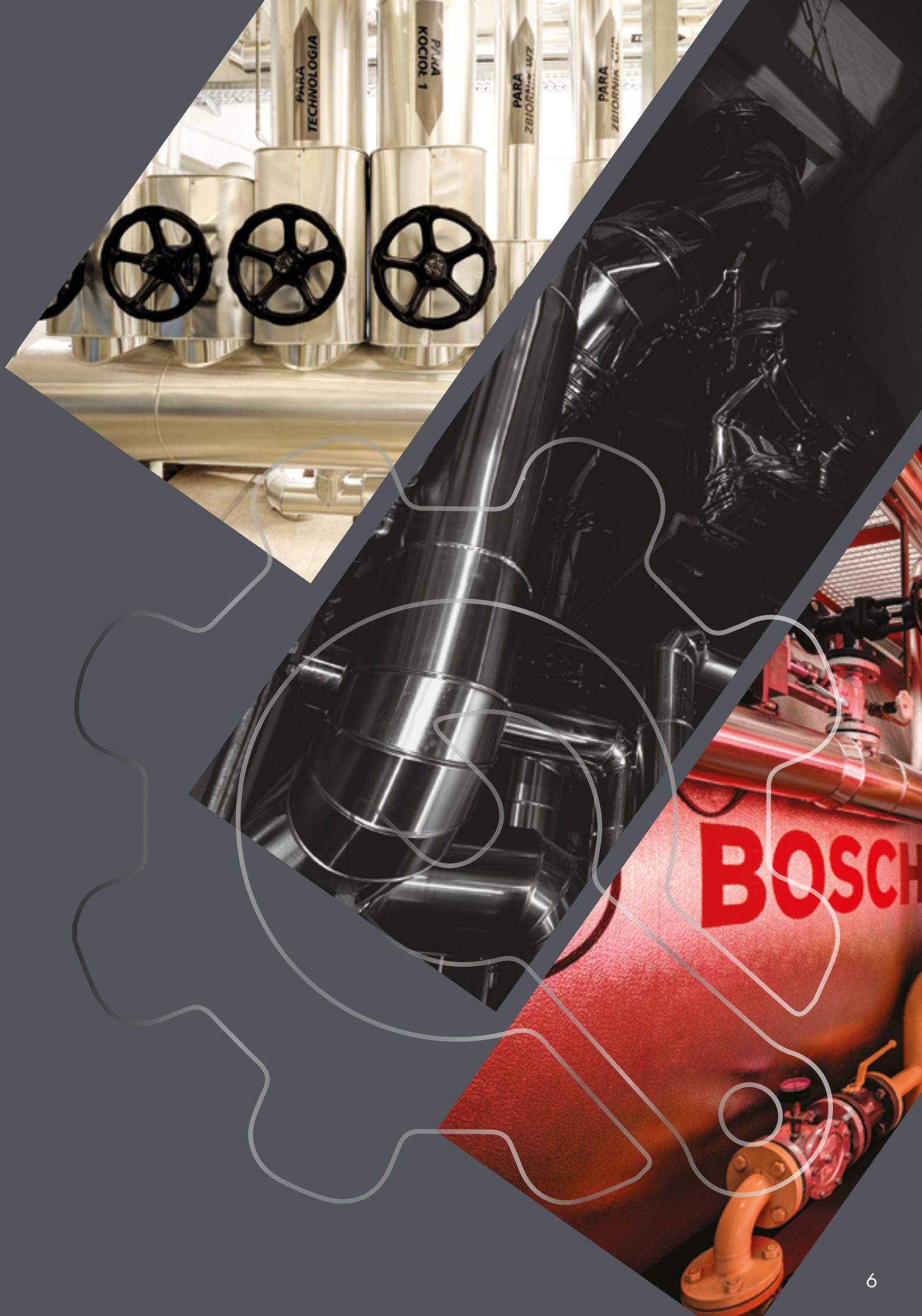


Join us! Our company:

- Designs and installs boiler plants (water and steam ones), utilities (gas, steam, water), and pressure equipment (according to PED),
- Renovates, modernizes, and expands machines and systems of technological lines,
- Delivers materials and machines,
- Deals with industrial sites relocation (even cross-border ones),
- Provides the maintenance services for all technological lines, made by our company.

In BEST Systemy Grzewcze the quality is the priority!

We have been granted with the certificate of Quality Management System PN-EN ISO 9001:2015, as well as the certificate of Quality Requirements for Welding PN-EN ISO 3834-2. Therefore we are able to follow the highest standards of systems and perform more effective technological processes.



Experience

Highest standards Innovation

Being an experienced and innovative company in a branch of cryogenics, BEST Cryogenics sets trends in cryogenic and gaseous technology and provides uncommon solutions.

LNG time!

- Our company develops cryogenic systems comprehensively, from the concept to the start up. We provide the best solution for our Customers, following the technical and financial data,
- We install the liquified gases regasification stations, using the waste cold energy recovery technology. It's based on the heat exchanger, developed and patented by BEST in 2014 (patent no: P. 419772),
- Moreover, we sale and deliver LNG with our own cryogenic transport,
- BEST installs storage and regasification stations for LNG and liquified technical gases (O₂, N₂, CO₂), in a European market,
- We lease LNG stations,
- BEST provides the delivery and installation of heat exchangers for regasification stations,
- We provide service for regasification stations, as well as gaseous systems,
- We carry out thermodynamical analyses of cryogenic systems, using thermovisual technologies for in-situ analysis.

Our partners:







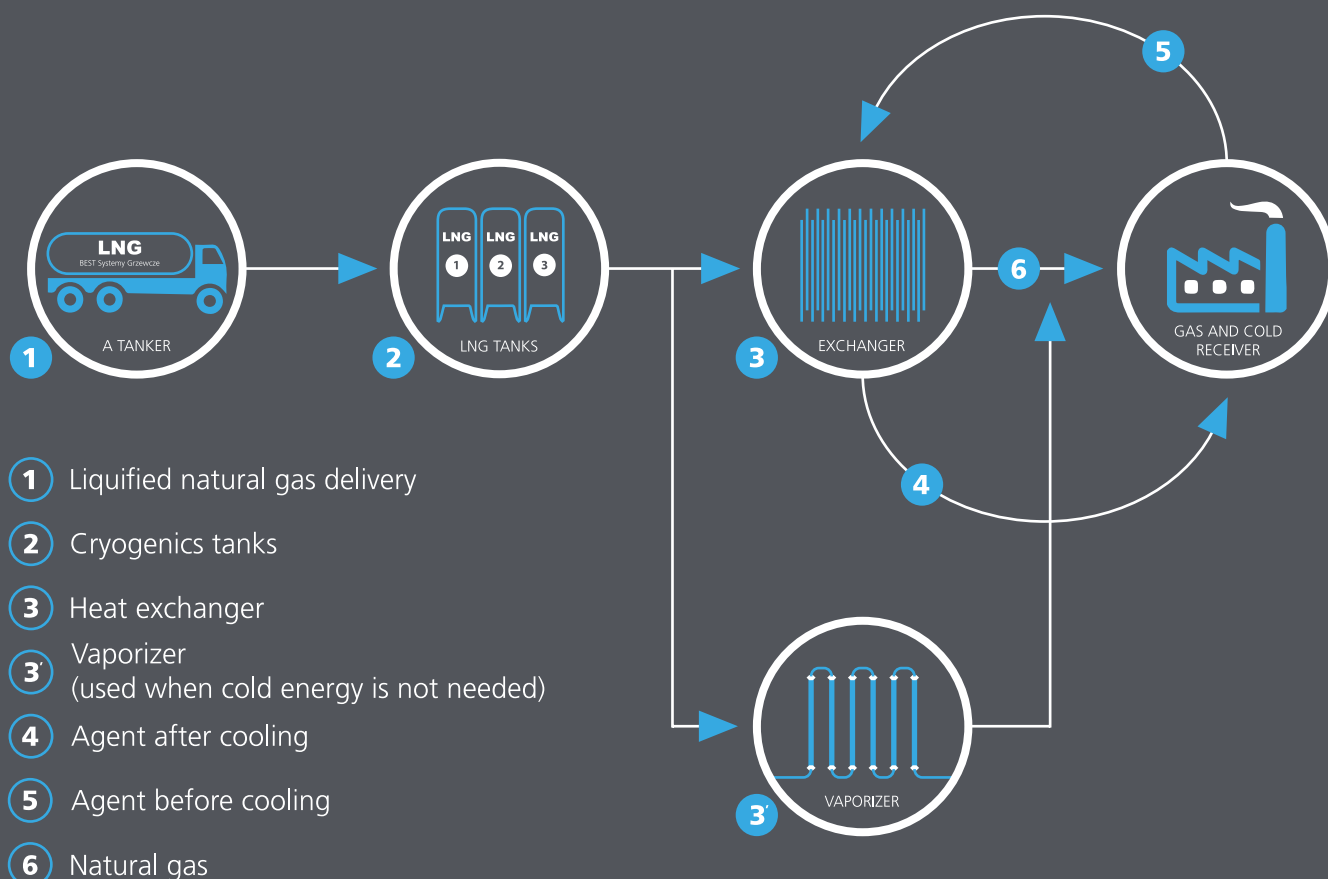
Innovative heat exchanger

Being an experienced company in cryogenics industry, BEST Systemy Grzewcze – as the only company in the European market – designed, patented, and finally implemented the system of the waste cold recovery from the liquid gas phase transition. The heat exchanger enables the recovery of cold energy from the regasification of the liquified agent. This energy can be used in refrigeration system.

Regasification station, equipped with the heat exchanger, provides higher energy conversion efficacy, using an energy which was earlier wasted by vaporizers.

Waste cold energy recovery using the heat exchanger influences the lower electricity consumption. Therefore, customers are enabled to apply for a relief in an environmental fee. It also provides financial and ecological benefits.

Schematic diagram of waste cold energy recovery





Knowledge

Technology

Research

In BEST Science, we do have innovation in our blood! We do our best to develop and research emerging technologies, collaborating with technical universities and research centers in Poland, as well as taking part actively in conferences and trade fairs.

We are currently involved in the following research projects:

- Innovative cryogenic heat exchangers,
- Cutting-edge welding solutions,
- Optical systems of gas measurement and detection,
- Multispectral products scanning for quality control,
- New ways of natural gas liquefaction,
- Greater availability of electric vehicle charging stations,
- Improved efficiency of hydrogen production, as far as electrolysis and steam methane reforming are concerned,
- The experiments aimed at the influence of water with augmented amount of singlet oxygen on bacteria decomposing organic matter,
- Ion implantation of metals.

We've been working with the scientific and research centers for over 10 years



Uczelnia
Jana
Wyżykowskiego



UNIWERSYTET
JAGIELLOŃSKI
W KRAKOWIE



Politechnika Wrocławska

PORT
Polski Ośrodek
Rozwoju Technologii

We have been also an active member of Polish LNG Platform, The Chamber of Natural Gas Industry, and The Cluster of Hydrogen and Clean Coal Technologies. We do contribute to develop our industries.





Capability

Future

Progress

„Per aspera ad astra...”

BEST Systemy Grzewcze is an innovative company in a branch of technology. We follow the key areas of knowledge, therefore in 2018 we created a new department – SPACE, which is responsible for developing emerging technologies.

When cooperating with space technology companies, we make use of the innovation of Polish industry. Therefore, we pave the way for the development of the gas and energy industry, in an uncommon way.

Having entered into the Polish Chamber of Unmanned Systems, we do contribute to integrate entrepreneurs, research centers and other institutions to develop the unmanned systems industry.



P O L S K A I Z B A
Systemów Bezzałogowych

The fields of activity of BEST Systemy Grzewcze, together with our Business Partners, include:

- 3D scanners systems for aircraft platforms,
- Doubled laser communications systems,
- Modern unmanned systems,
- Multispectral products analysis and gas detection systems.





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