



COMPREHENSIVE IMPLEMENTATION
O F N E W S O L U T I O N S



SIGMA
JOINT-STOCK
COMPANY

25
YEARS
OF EXPERIENCE
SINCE **1996**

REGIONAL
OFFICE
SIGMA SILESIA in
KNURÓW

COMPANY'S
HEADQUARTER in
BARAK
near **LUBLIN**



SIGMA

JOINT-STOCK
COMPANY

**POLISH
PRIVATE FAMILY BUSINESS**
founded by JAN HAJDUK

Legal form:
JOINT-STOCK COMPANY,
not listed

**Supervisory Board consisting of
HAJDUK FAMILY MEMBERS** (100% shares)
is company's supervising
and controlling authority.



SIGMA

MANAGEMENT
BOARD

CEO
PAWEŁ HAJDUK
- second generation
in charge of the business

VICE PRESIDENTS
with great leadership skills:

WOJCIECH HAJDUK
DARIUSZ DUDZIŃSKI
KRZYSZTOF LISIECKI

EMPLOYMENT STRUCTURE:

167 EMPLOYEES

85 blue-collar and 82 white-collar



MINING

MWW ROBOKOP

MULTIFUNCTIONAL
MOBILE VEHICLE

URW PANDA

MINING EXCAVATION'S REMOVAL DEVICE

PZS BARAKUDA

SCRAPER CONVEYOR
WITH VARIABLE TURNING RADIUS

USP PEGAZ

PROP AND SUPPORT DEVICE

UDR MAMUT

MINING EXCAVATION'S
REMOVAL DEVICE



WASTE SORTING TECHNOLOGY

Municipal waste
**SORTING
and PROCESSING
LINE** COMBINED WITH
ALTERNATIVE FUEL
PRODUCTION

SCREENING
systems

TRANSPORT
systems

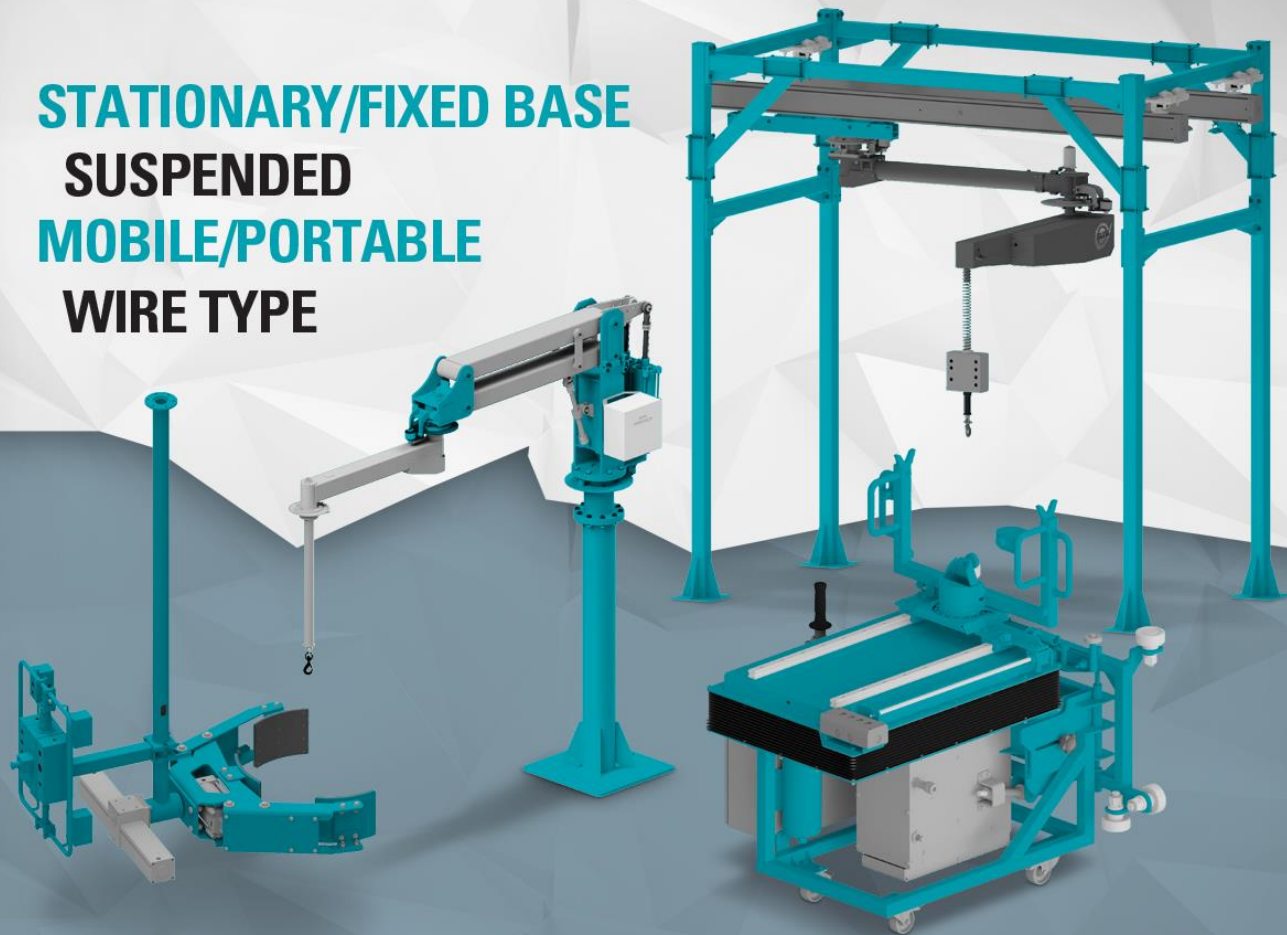
Other
DEVICES





MANIPULATORS

**STATIONARY/FIXED BASE
SUSPENDED
MOBILE/PORTABLE
WIRE TYPE**



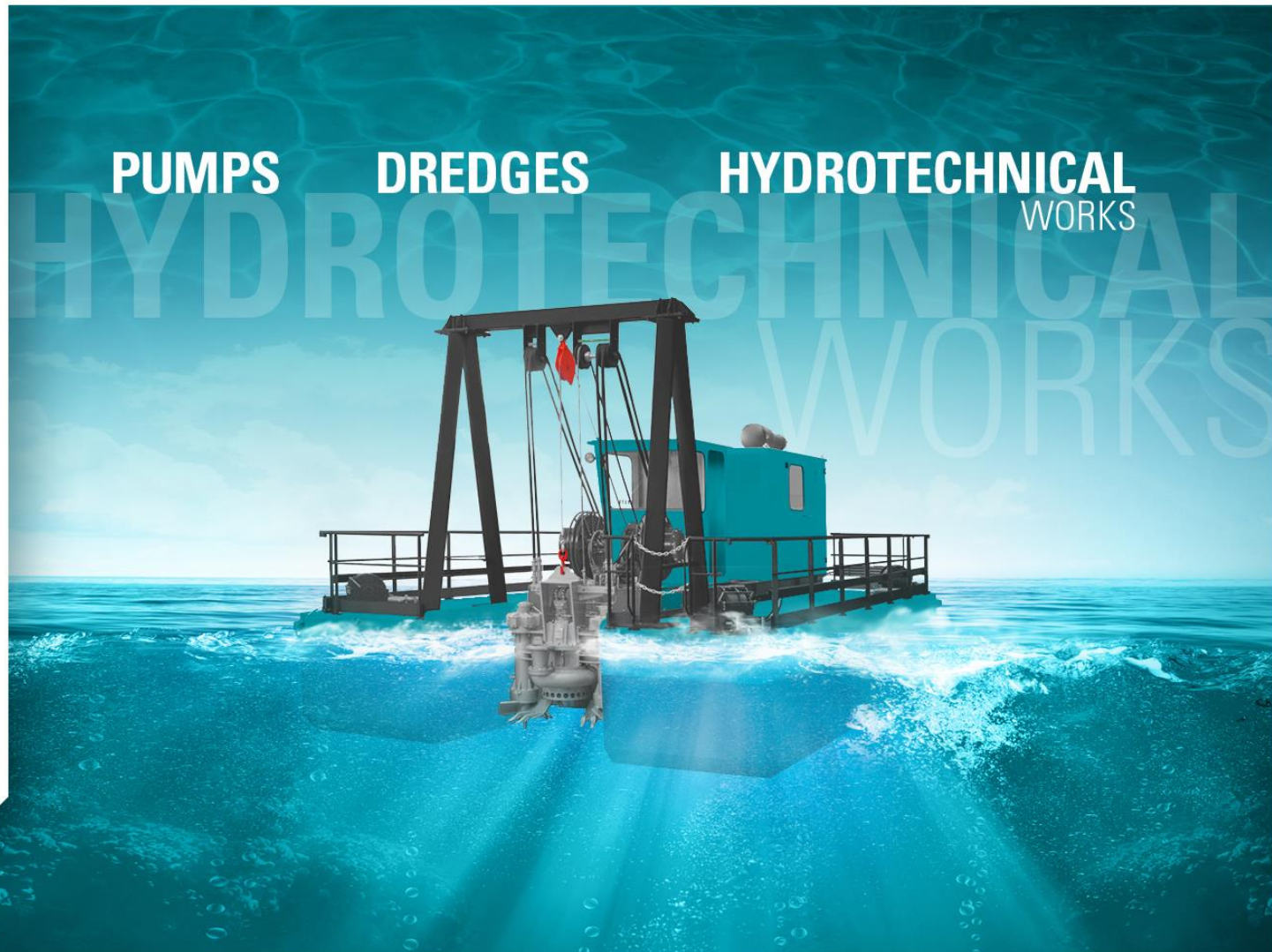


HYDROTECHNICAL ENGINEERING SERVICES

PUMPS

DREDGES

**HYDROTECHNICAL
WORKS**





LOGISTICS SYSTEMS

BELT
TELESCOPIC
CONVEYOR

INTERNAL
HANDLING
SYSTEMS





INDUSTRIAL ROBOTS

HANDLING SERVICE **ASSEMBLY**
PACKAGING **PALLETIZATION** COBOTS

YASKAWA **KUKA**





STAFF

PRODUCTION
TECHNOLOGISTS

DESIGNERS

CNC MACHINES
OPERATORS

AUTOMATION
SPECIALISTS

QUALITY
CONTROLLERS

EXPERIENCED
PRODUCTION
DEPARTMENT STAFF

ASSEMBLY
and **INSTALLATION**
SPECIALISTS

MAINTENANCE
DEPARTMENT
EMPLOYEES



**PRODUCTION
FACILITY**

CREATIVE **R&D**
DEPARTMENT

MODERN
AND DEVELOPED
MACHINE
PARK

HIGHLY QUALIFIED
STAFF

SIGMA S.A.

CLOSE
COLLABORATION
WITH RESEARCH
& DEVELOPMENT CENTERS
AND UNIVERSITIES

HIGHEST
QUALITY
OF THE PRODUCTS

IMPLEMENTATION
of **INNOVATIVE** SOLUTIONS
TAILORED TO CUSTOMERS NEEDS



MACHINE PARK

CNC WHO 13

TABLE TYPE BORING MACHINE

2 x 3



18

CNC WHO 13

TABLE TYPE BORING MACHINE

1.8 x 2.5



12

CNC WHO 105

TABLE TYPE BORING MACHINE

1.4 x 1.4



5

CNC DOOSAN
MYNX 6500/50

MILLING MACHINE

1.4 x 0.67



1

TUR MN LATHES

NUMERICAL CONTROLLED CNC

2

UNIVERSAL **LATHES**

SIZE OF MACHINED ELEMENT UP TO 3 m

PLASMA BURNERS

WATERJET **CUTTERS**

FIBER LASER CUTTER

SHOT-BLASTING **CHAMBER**

PAINTING and **DRYING**
BOOTHs

MILLING MACHINES **DRILLING MACHINES** **BAND SAWS** **HARDENING MACHINES**
COIL WINDING MACHINE **GRINDING MACHINES**

4 PRODUCTION **HALLS** WITH SURFACE OF **5 000** m²



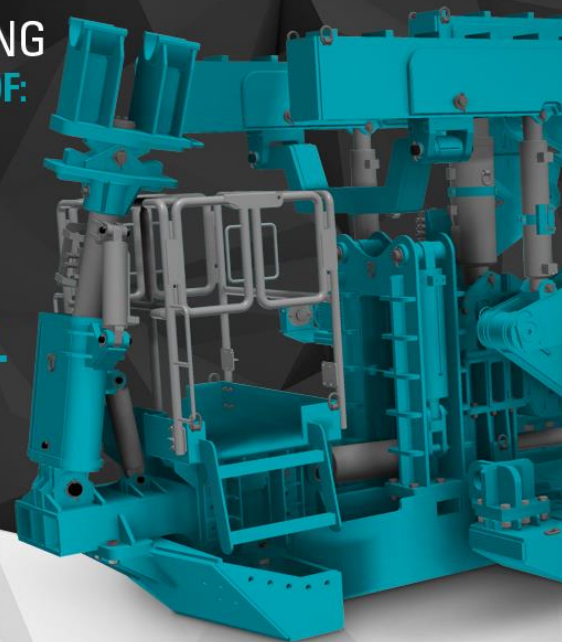
DESIGNING
MANUFACTURING

We possess
KNOWLEDGE AND EXPERIENCE
IN DESIGNING AND MANUFACTURING
OF COMPREHENSIVE SOLUTIONS IN TERMS OF:

MECHANICS
AUTOMATION
POWER HYDRAULICS
ELECTRONICS AND ELECTRICAL
ENGINEERING

HIGHEST
QUALITY

MEETING **ATEX**
REQUIREMENTS



MODERNIZATION OVERHAUL **INSTALLATION/ASSEMBLY** DISASSEMBLY



PATENTS INNOVATIONS

Applications submitted
at **POLISH PATENT OFFICE** between **2001 - 2019**



URZĄD PATENTOWY
RZECZYPOSPOLITEJ POLSKIEJ

137
APPLICATIONS

31
GRANTED
UTILITY MODELS

77
GRANTED PATENTS

32
PATENT
APPLICATIONS
STILL PENDING



CERTIFICATES QUALITY

Implemented and constantly improved
QUALITY MANAGEMENT SYSTEM at SIGMA S.A.



PN-EN
ISO 9001:2015
QUALITY MANAGEMENT SYSTEM

PN-EN
ISO 3834-2 QUALITY REQUIREMENTS
FOR FUSION WELDING OF METALLIC MATERIALS

PN-EN
15085-2:2007 CERTIFICATION LEVEL **CL1**
WELDING OF RAILWAY VEHICLES AND COMPONENTS



NCAGE
2523H NATO COMMERCIAL
AND **GOVERNMENT ENTITY CODE**
PROVIDED BY **MILITARY CENTRE FOR STANDARDIZATION,
QUALITY AND CODIFICATION**



QUALITY CONTROL

Non destructive tests
OF WELDING JOINTS

**VISUAL and
PENETRATION TESTING PT**

**MAGNETIC PARTICLE
TESTING MT**

ULTRASONIC TESTING UT

Tests are carried out by specialists
**POSSESSING SECOND QUALIFICATION
DEGREE ACCORDING TO PN-EN ISO 9712**
- also at construction side.

CHECKING the
**PAINT COATING
THICKNESS**

HARDNESS
MEASUREMENT
HT

4m TESTING
ARM
RANGE



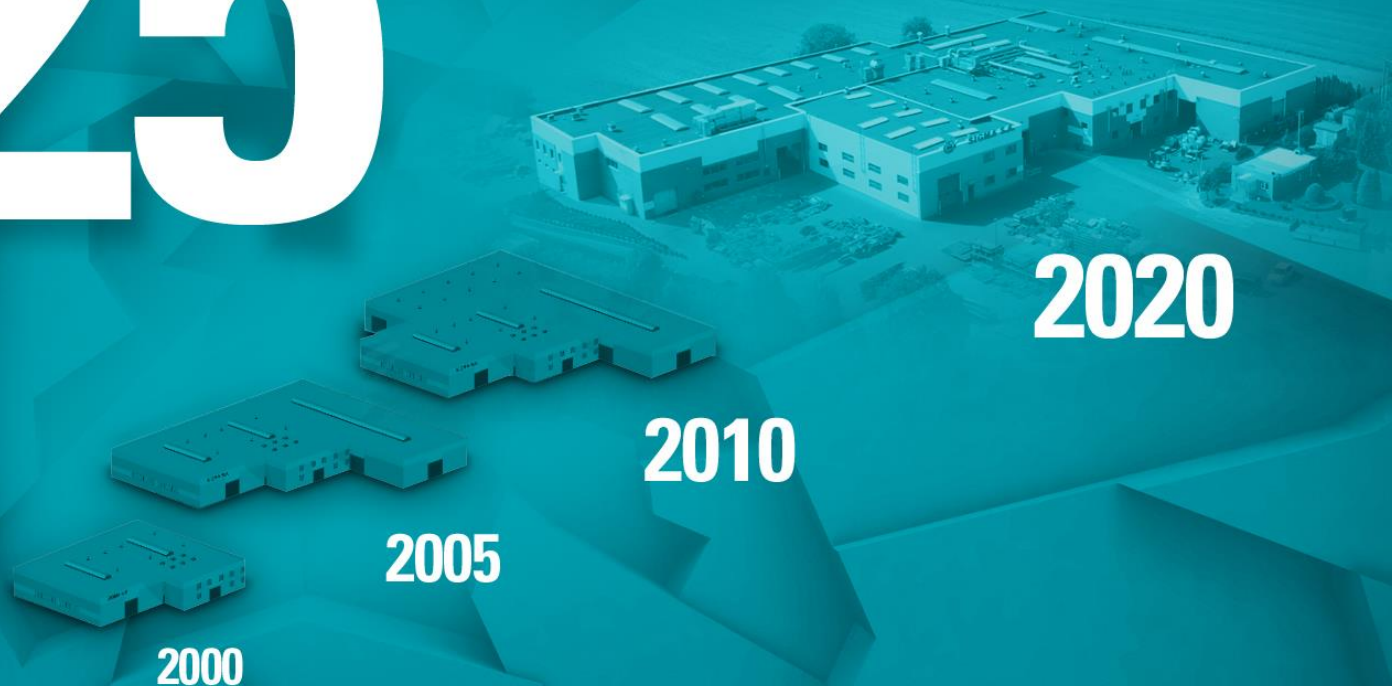
COLLABORATION PARTNERS





SIGMA
JOINT-STOCK
COMPANY

25 YEARS
of INNOVATION





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