

SPECIALISTS IN WELDING, MANUFACTURING AND INSTALLATIONS
STAINLESS, ACID-RESISTANT AND SPECIAL STEEL



WHO ARE WE?

Abble Group is a company with a European pedigree that specializes in building modern stainless steel production systems.

We started in the Netherlands, and today we operate internationally, supporting the food & beverage, pharmaceutical and cosmetics industries. We provide technical solutions that help companies manufacture safely and efficiently - from tanks to pipelines to complete production lines.





INDUSTRIES WE SPECIALIZE IN



PHARMACEUTICAL INDUSTRY



CHEMICAL **INDUSTRY**



FOOD & BEVERAGE INDUSTRY



COSMETICS **INDUSTRY**



PET FOOD INDUSTRY

HOW DO WE WORK?

Our strength lies in our team of skilled fitters and welders who have gained experience in many countries and in the most demanding manufacturing environments.





Qualified team



Modern technologies



Own shop floor, faster assembly

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OFFER

PRODUCTS

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WHERE DO WE OPERATE?





SKIDS

Skids are modular (mounted on frames) complete installations equipped with tanks, pumps, valve systems, automation and electrical components, as well as other instrumentation required to carry out the production process. Individual skid modules connected together can form a complete process line.

ABBLE OFFERS COMPLETE SKID-BASED SOLUTIONS FOR VARIOUS FOOD, BEVERAGE, COSMETIC AND PHARMACEUTICAL INDUSTRIES.

The undoubted advantages of this approach are:



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PRODUCTS

Ease of relocation of the production line

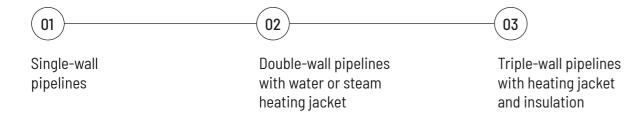
Ability to expand it or modify it by replacing individual skids with others

Easy service of all components within a skid

PIPELINES

We specialize in the selection and construction of transfer systems for liquid and bulk products, which are an essential component of process lines.

We manufacture:



With our in-house production floor, we can prepare prefabricated elements of transmission installations before their final assembly at customers' sites, thus reducing the installation time to the necessary minimum. We offer prefabrication and installation of pipelines in all available pipe diameters made of

AISI 304 and AISI 316 steel, as well as their insulation with materials selected for a given technological process. We equip our transmission systems as needed with pump systems, valves, flow meters and other process parameter sensors, as well as our filtration systems.





PLATFORMS

Platforms are some of the most popular pieces of equipment in manufacturing plants, which facilitate access to equipment, as well as allow easier movement of workers on production floors.

We make large-scale platforms in the form of

segments at our manufacturing plant, where they are then assembled on site. This approach ensures that the time required for final installation and the associated inconvenience to the operation of production processes is minimized.

PLATFORMS THEY MUST MEET A NUMBER OF HEALTH AND SAFETY
REGULATIONS THAT MUST BE CONSIDERED IN THE DESIGN AND
CONSTRUCTION PROCESS. WE MANUFACTURE PLATFORMS ACCORDING TO
DESIGNS PROVIDED BY OUR CLIENTS AND ACCORDING TO OUR OWN DESIGNS.

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SHELL AND TUBE HEAT EXCHANGERS

Our offer includes shell and tube heat exchangers, which are widely used in heat exchange processes carried out in the food, cosmetic and pharmaceutical industries.

The basis of the design of this exchanger is a bundle of thin-wall tubes welded to the tube sheet. The number and diameter of the tubes are parameters closely related to each other by the criterion of the fluid flow rate in the tubes.

WE MAKE EXCHANGERS BASED ON AISI 304 AND 316 STEEL.





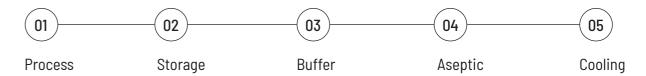
PROCESS TANKS

We manufacture a wide range of tanks for the food, cosmetic and pharmaceutical industries based on AISI 304 and 316 steel, which meet the hygienic standards for the mentioned industries. Depending on production needs, we equip our tanks with heating systems such as jackets, steam spirals, or pillow plate solutions.

Our tanks can also be equipped with cooling systems and thus be dedicated to the storage of sensitive products such as milk.

We also offer design and construction of complete CIP stations dedicated to comprehensive hygiene maintenance by providing CIP cleaning and disinfection, based on tanks manufactured by ABBLE. We equip our tanks with measurement systems from reputable manufacturers that will guarantee full control of your processes. Typical elements of such equipment include level sensors, temperature sensors or weight sensors.

We manufacture the following types of tanks:



AT THE SPECIAL REQUEST OF OUR CUSTOMERS, WE MAKE TANKS USING THE ELECTROPOLISHING TECHNIQUE. THE TANKS WE OFFER CAN BE FITTED WITH MIXING SYSTEMS DEPENDING ON PROCESS REQUIREMENTS.

UNLOADING STATIONS

Our devices provide a simple and dust-free process for unloading bags of bulk materials. Depending on the requirements, the construction of the station can be made of stainless steel AISI 304 or AISI 316. Thanks to the special design of the top, the process of emptying the bag is extremely convenient and safe for the operator, and the charging grate captures unwanted foreign materials, thus preventing them from entering further production stages.

Key benefits of the system







BULK MATERIAL DISSOLUTION SYSTEMS

We specialize in designing and manufacturing systems designed to dissolve bulk materials used in the food industry, such as sugar, sweeteners, citric acid, preservatives, pectin and vitamins. In the solutions we propose, the dissolution process can be carried out continuously or in a batch system.

Dissolved components can be dosed into systems straight from big-bag unloading stations, as well as from unloading systems.

The systems we offer can perform the dissolution process

01 in a cold state

in a hot state

PRODUCT RECOVERY SYSTEMS

If you need to recover liquid or semi-liquid products from the plant before washing, we can offer a pigging system. The system relies on the introduction of a cleaning element (pig) moved inside the plant by means of compressed air or water, thereby pushing out product residues for recovery.





MELTERS

We offer melters for fat and chocolate mass with a heating grate or equipped with a heating spiral. We equip them with temperature and level sensors, as well as systems for forcing the circulation of the heating medium. WE ALSO OFFER OUR CUSTOMERS
MELTERS WITH AN ELECTRIC HEATING
SYSTEM. HERE, AS WITH TANKS, WE
CAN HEAT THEM TO MAINTAIN THE
TEMPERATURE OF THE RAW MATERIAL
BEFORE SOLIDIFICATION THROUGH THE
USE OF A HEATING JACKET, SPIRAL OR
PILLOW PLATE.

DOSING SYSTEMS

Our portfolio includes dosing systems that enable dosing of bulk products in a wide range of quantities. Our systems are based on both open and closed,

cylindrical and rectangular dispensers. We base our dosing systems on solutions that employ nozzles, solenoid valves, sluices, gates and load cells.

WE BASE PROPER AND EFFICIENT DOSING ON THE VIBRATION SYSTEMS USED IN OUR SOLUTIONS.





SCREW CONVEYORS

This form of transporting bulk and fine-grained materials is particularly applicable where we need to eliminate dust. The use of a trough system allows access to the worm gear after removing the covers. The second option is to use a tubular

system that enables large product feeding angles. The use of coreless spirals (no spiral shaft) allows the transport of products sensitive to mechanical damage (crushing during transport).

SPECIALIZED BEARINGS AND SEALS GUARANTEE EFFICIENT TRANSPORTATION OF "CHALLENGING" PRODUCTS.

MAGNETIC-SIEVE FILTERS

The filtration process is one of the key production elements occurring in the food industry. Its primary task is to remove unwanted particulates from final products or raw materials used in the manufacturing process

This is crucial for:



One of the primary physical hazards to food products is metal residues, which must be eliminated as effectively as possible. Solutions that guarantee the removal of this type of contamination are magnetic filters. The advantage of this type of filter is its simple design and reliable operation. We provide our customers with reliable magnetic filters for filtering

chocolate and fatty masses to capture metallic impurities. Magnetic rollers with varying degrees of magnetic induction provide full process control, as do mesh inserts with varying MESH values. The design of the filters allows for easy access to and reassembly of components that require cleaning.



IN DEDICATED SOLUTIONS, WE USE PRESSURE MEASUREMENTS UPSTREAM AND DOWNSTREAM
OF THE FILTER TO DETERMINE WHEN THE FILTER NEEDS TO BE CLEANED. THE FILTERS WORK UP
TO A MAXIMUM OF 10,000 GS. SUCH SOLUTIONS ALLOW PRECISION CONTROL OF THE PRODUCTION
PROCESS IN THE CONTEXT OF FOOD SAFETY FOR THE CONSUMER, AND THUS MEET HACCP
REQUIREMENTS FOR MONITORING CRITICAL CONTROL POINTS.



BIG-BAG UNLOADING STATIONS

Deliveries of bulk raw materials are often made in big-bags, the unloading of which can present many

difficulties if appropriate systems are not used.

To prevent such problems, we offer comprehensive big-bag unloading stations using two methods:



Lifting the big-bag with a forklift and placing it on the station holders

Lifting the big-bag with a winch that is part of the unloading station

The opening of the bottom part of the big-bag results in the discharge of bulk material into a hopper from where it is transported, usually by

means of a screw conveyor, to other elements of the production line system, such as dispensers or dissolving systems.

WE OFFER COMPLETE SOLUTIONS FOR BIG-BAG UNLOADING SYSTEMS INTEGRATED WITH DOSING AND DISSOLVING SYSTEMS.

IBC UNLOADING STATIONS

The supply of raw materials for production relies heavily on IBCs (Intermediate Bulk Containers), which require professional unloading stations.

We offer two types of solutions:



SEMI-OPEN

based on a suction lance inserted into the container from above

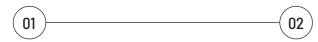
CLOSED

based on the discharge of the container through a bottom valve of the IBC container

We recommend closed systems that do not require insertion and withdrawal of the suction lance each time the container is emptied. This avoids exposing operators and the environment to residual product dripping from the lances, as well as its fumes

escaping through the top lid of the container. This is very important when handling caustic products, such as soda lye, which is a very common medium used in the cleaning-in-place (CIP) process.

An important element of the unloading of IBCs are also properly prepared platforms, which ensure:



Slight tilting of the container for maximum unloading efficiency

Capturing of residual product into the drip tray in case of uncontrolled leaks when moving suction lances or connecting hoses to the bottom valve of the container



STAINLESS STEEL STRUCTURES

We design and manufacture stainless steel structures that meet the highest standards of quality, safety and hygiene. Our solutions include platforms, frames, brackets and process support components, among others. We tailor each project to the requirements of the plant and the specific industry in which the client operates.

THANKS TO OUR EXPERIENCE IN THE FOOD, BEVERAGE,
PHARMACEUTICAL AND COSMETIC SECTORS, WE UNDERSTAND
VERY WELL HOW IMPORTANT IT IS FOR MATERIALS TO BE
CORROSION RESISTANT, EASY TO KEEP CLEAN AND PRECISE.

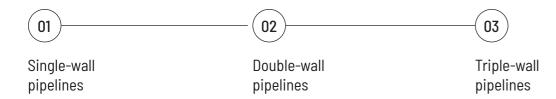
We carry out both in-house and customer-designed projects, ensuring aesthetic finish, reliability and quick on-site installation. Our designs guarantee

durability, ergonomics and convenience of use, while conforming to stringent health, safety and HACCP requirements.

STAINLESS STEEL INSTALLATIONS

We specialize in the design, prefabrication and installation of stainless-steel process plants, which are a key component of modern production facilities.

We manufacture:

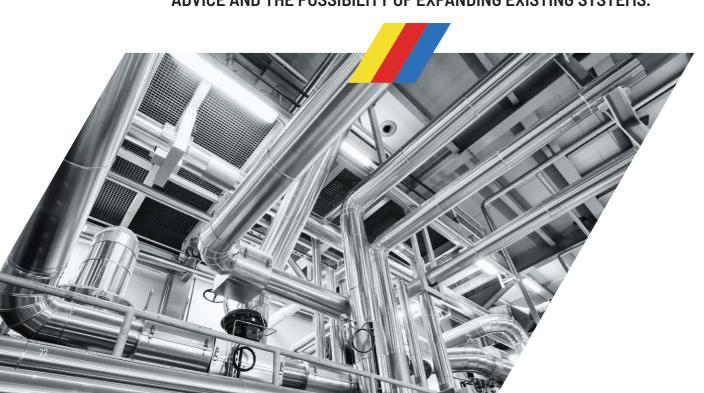


Tailored to specific technological processes, they are equipped with heating jackets, insulation and support systems such as pumps, valves, flow meters or filtration systems.

Thanks to our own production hall, we are able to prepare ready-made prefabricated elements, which reduces installation time at the customer's site to a minimum and limits production downtime. Our installations meet the hygienic and quality standards

required in the food, beverage, pharmaceutical and cosmetic industries. We use AISI 304 and 316 steel, which provides durability and resistance to aggressive working environments.

WE PROVIDE NOT ONLY IMPLEMENTATION, BUT ALSO TECHNICAL ADVICE AND THE POSSIBILITY OF EXPANDING EXISTING SYSTEMS.





DEDICATED EQUIPMENT

We create dedicated stainless steel equipment that is designed and manufactured fully to meet individual customer needs. Our product range includes process, buffer and aseptic tanks, shell and tube exchangers, big-bag and bag unloading stations, bulk material dosing and dissolving systems, as well as melters for fat and chocolate

masses. Each device is created from scratch - from the design stage, through prefabrication and testing, to assembly and commissioning at the customer's facility.

We use AISI 304 and 316 steel, guaranteeing corrosion resistance and compliance with hygiene requirements.

OUR EQUIPMENT IMPROVES PRODUCTION EFFICIENCY, INCREASES PROCESS SAFETY AND FACILITATES DAILY OPERATIONS. THANKS TO OUR EXPERIENCE IN VARIOUS INDUSTRIES, WE ARE ABLE TO IMPLEMENT BOTH STANDARD PROJECTS AND CUSTOM SOLUTIONS CREATED BASED ON THE UNIQUE NEEDS OF INVESTORS.

STAINLESS STEEL WELDING

There is no task too small or too large for our experienced team, which has been successfully completing even the most demanding orders for years. We specialize in comprehensive stainless steel welding services, which we tailor to the individual needs of our customers throughout Europe. Our offerings are distinguished not only

by their robustness and durability, but also by their aesthetics, which makes them perfect for a variety of projects. Extensive experience in stainless steel welding allows us to combine precision workmanship with the highest quality, meeting the expectations of even the most demanding orders.

Our offer also includes welding of acid-resistant steel-With specialized skills and the use of appropriate procedures, we guarantee durable and corrosion-resistant connections that meet the highest standards.





WELDING SERVICES

TIG WELDING

Our team of specialists perfectly wields the TIG welding technique, which enables the creation of extremely precise joints and guarantees the stability and repeatability of the process. Using modern technological facilities and extensive experience, we execute both complex industrial structures as well as demanding technological

installations. The resulting welds are characterized by exceptional durability and aesthetics, so they are used wherever reliability, safety and the highest quality are important. Our services are used by companies in a wide range of sectors, most notably pharmaceuticals, food and dairy.

Key advantages of TIG welding



Aesthetically pleasing and durable joints without deformation

Resistance to chemicals, with high hygienic standards Applications in the pharmaceutical, food and dairy industries

THE TIG METHOD IS SYNONYMOUS WITH PRECISION, AESTHETICS AND RELIABILITY - IDEAL WHEREVER THE HIGHEST QUALITY WELDS COUNT.





ORBITAL WELDING

Orbital welding is a modern technology that makes it possible to achieve extremely precise and repeatable connections, especially for pipes and installations that require the highest quality. The process involves the torch making a rotational motion around the workpiece to be welded, so that it is possible to achieve a perfect weld around the entire circumference, regardless of its diameter or position. Thanks to automation and full parameter control, this method ensures not only excellent

tightness and durability, but also repeatability of results in serial runs. Orbital welding works especially well in industries where process safety and hygiene are crucial, such as pharmaceutical, food, beverage, chemical and energy industries. It is the solution of choice where speed, precision and reliability are important – from simple process installations to the most demanding industrial structures.

Key advantages of orbital welding

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Automation ensures repeatable quality and high precision welds.

Clean connections that meet stringent hygiene standards. Orbital welding provides high precision and perfect connections even with thinwall pipes.

ORBITAL WELDING GUARANTEES THE HIGHEST PRECISION,
REPEATABILITY AND TIGHTNESS OF JOINTS, IRREPLACEABLE
IN THE MOST DEMANDING INDUSTRIES.

ORBITAL WELDING GUARANTEES THE HIGHEST PRECISION, REPEATABILITY AND TIGHTNESS OF JOINTS, IRREPLACEABLE IN THE MOST DEMANDING INDUSTRIES.





LASER WELDING

Fiber laser welding technology for metal processing is rapidly gaining popularity in the manufacturing sector, increasingly replacing conventional and outdated welding methods.

This advanced technology offers unparalleled precision, flexibility and high-speed performance,

making it suitable for even the most demanding industries. Fiber laser welding is widely used in various sectors, including aerospace, automotive, defense and military, medical devices, electronics, petrochemical refining, communications, energy, automation and outsourcing (services).

FIBER LASER WELDING IS A HIGHLY ADVANCED TECHNOLOGY TO **MAXIMIZE WELDING PROCESSES**



MAIN ADVANTAGES OF FIBER LASER WELDING



MIG WELDING

MIG welding is one of the most popular methods of joining metals, in which a fusible electrode in the form of a wire melts under the shield of a neutral gas. With this technology, we obtain high productivity and high flexibility of applications – it is possible to make strong welds in multiple positions, both on structural steel and on stainless

steel, aluminum or other metal alloys. Simple chuck guidance, uninterrupted wire feeding and the right selection of the metal transfer mode allow for fast and precise welding, both in the workshop and on the construction site – provided that the gas shield is protected from environmental influences.

ey advantages of MIG welding



Enables fast and efficient welds in various positions

Provides good quality connections at relatively low process costs.

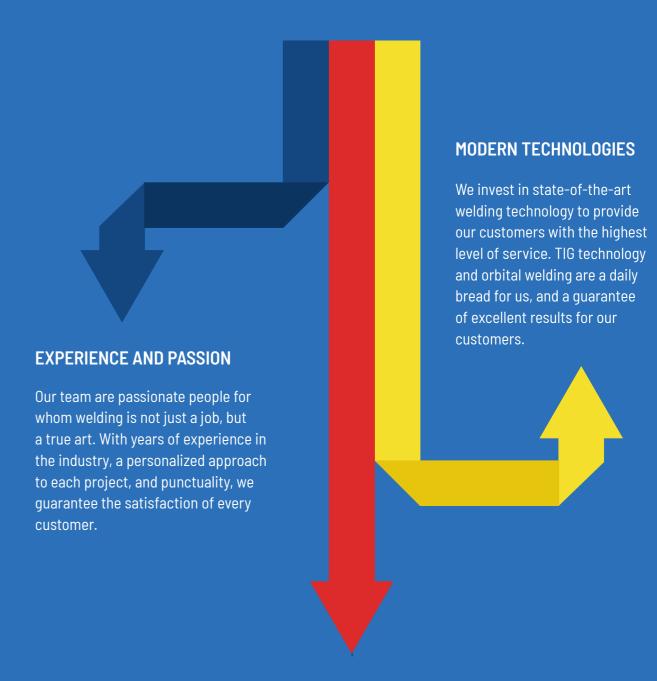
Is versatile – allows to weld steel, aluminum and many metal alloys.

MIG WELDING COMBINES SPEED, VERSATILITY AND PRECISION,

ENABLING DURABLE AND AESTHETICALLY PLEASING CONNECTIONS IN VARIOUS MATERIALS AND POSITIONS.



WHY CHOOSE ABBLE GROUP?



TAKE ADVANTAGE OF OUR SERVICES TODAY!

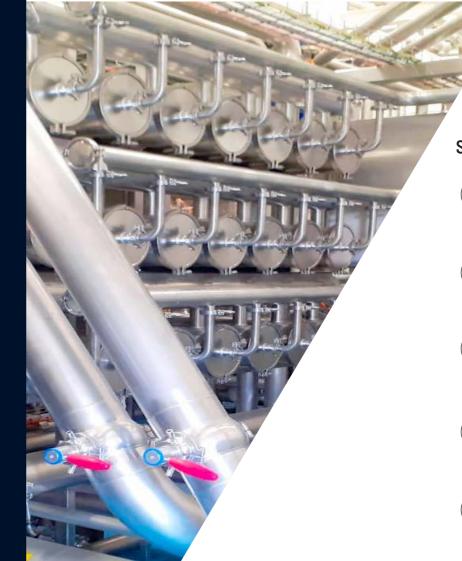
If you are looking for a welding project partner that combines experience, precision and a modern approach, Abble Group is ready to meet your expectations. Contact us to discuss the details and start cooperation, the outcomes of which are sure to delight you.

WE SPECIALIZE IN COMPREHENSIVE
ASSEMBLY SERVICES FOR STRUCTURES,
INSTALLATIONS AND ELEMENTS MADE OF
STAINLESS STEEL AND ACID-RESISTANT
STEEL.

Our offer is aimed at large industrial plants as well as medium-sized or smaller companies that expect the highest quality and precision.



LEAVE THE ASSEMBLY IN THE HANDS OF EXPERIENCED PROFESSIONALS



Scope of our services:

- Installation of process plants for the food, beverage, pharmaceutical, chemical and cosmetic industries.
- Construction and installation of stainless steel structures, i.e. pipelines, tanks, platforms, production lines
- Assembly of industrial machinery and equipment from single stations to complex process lines.
- Maintenance and modernization work; ongoing repairs, extensions and upgrades to existing installations.
- Design support technical advice, optimization of assembly processes and selection of the best solutions.



ASSEMBLY SERVICES

WHY US?

- Experienced team of fitters and welders with international expertise.
- Work in accordance with the highest quality standards confirmed by EN ISO certifications.
- O3 State-of-the-art equipment and technology to handle even the most demanding projects.
- Flexibility and individual approach we adapt our solutions to the specifics and needs of our customers.
- We work in Poland and throughout Europe, as well as in non-European markets.





OUR ASSETS

We treat each project as a challenge, where we combine precision workmanship, safety of work and timeliness. With extensive experience in international projects, we guarantee premium service and partnership at every stage of implementation.



MAINTENANCE SERVICES



OUR APPROACH

EXPERIENCED SERVICE STAFF

Technicians and welders with years of experience working on international projects.

OUICK RESPONSE

We understand that any production downtime is a real loss for the customer, so we act efficiently and in a timely manner.

ACCESSIBILITY AND MOBILITY

We carry out orders in Poland, Europe and abroad.

HIGHEST QUALITY AND SAFETY STANDARDS

Confirmed by EN ISO certificates.

A PERSONALIZED APPROACH

We tailor the service plan to the specifics and needs of the plant.



RELOCATIONS



RELOCATIONS OF MACHINERY

We offer comprehensive relocations of industrial machinery, providing full service – from dismantling, securing and transporting to installation and commissioning at the new location. Regardless of the scale of the project, we care about the safety of equipment and minimizing production downtime. Each stage is carefully planned to eliminate the risk

of damage and delays. We carry out transportation both in Poland and throughout Europe and abroad. With specialized technical facilities and qualified staff, we ensure efficient, timely and fully secure implementation of even the most demanding relocation projects.

OUR TEAM HAS YEARS OF EXPERIENCE WORKING WITH MACHINES USED IN THE FOOD, PHARMACEUTICAL AND COSMETIC INDUSTRIES,

WHICH GUARANTEES COMPLIANCE WITH STRICT QUALITY STANDARDS.

RELOCATIONS OF PROCESS LINES

We specialize in relocating complete process lines that require perfect coordination and experience. We begin each project with a detailed analysis and preparation of a plan for dismantling, transporting and reassembly at the new location. This minimizes the risk of technical problems and

reduces downtime. In addition, we offer support in restarting lines and adapting them to new production requirements. Thanks to our knowledge and flexibility, customers can be sure that the entire process will run smoothly, safely and with utmost professionalism.

OUR TEAMS ARE EXPERIENCED IN MOVING BOTH STANDARD AND ADVANCED TECHNOLOGY SYSTEMS THAT REQUIRE THE HIGHEST PRECISION.

WE HAVE MODERN EQUIPMENT THAT ALLOWS US TO SAFELY HANDLE EVEN THE MOST COMPLEX LAYOUTS.





RELOCATIONS OF PRODUCTION LINES

We carry out professional relocations of production lines, covering all stages – from inventory and technical documentation, through disassembly and transport, to assembly, connection of utilities and full commissioning in a new location. Our experience includes projects for the largest brands in Poland and Europe, allowing us to meet even

the most demanding challenges. We place special emphasis on precision, safety and timeliness. We understand that any downtime is a measurable loss for the customer, so we plan the process to minimize the risk of delays. Our service and assembly teams are fully mobile and ready to work in a variety of industrial conditions.

THE PRODUCTION LINES WE RELOCATE RETURN TO FULL FUNCTIONALITY IN THE SHORTEST POSSIBLE TIME, AND CUSTOMERS CAN ALSO COUNT ON OUR SUPPORT IN THE FIELD OF SERVICE AND MODERNIZATION AFTER THE RELOCATION IS COMPLETED.

WHY ABBLE?

Since 2011, we have completed dozens of projects for well-

known brands in the food, beverage, pharmaceutical and cosmetics industries – from the Netherlands to Dubai and

the United States.

EXPERIENCE BACKED BY IMPLEMENTATIONS ACROSS EUROPE AND BEYOND

COMPREHENSIVE TECHNICAL SUPPORT AT EVERY STAGE OF THE PROJECT

We provide prefabrication, welding and assembly, as well as technological support – taking care of the quality, safety and timeliness of the work.

FLEXIBLE OPERATIONS AND INDIVIDUAL APPROACH

We operate efficiently, matching technologies and schedules to the conditions of a particular plant and the expectations of the investor.





WE HAVE BEEN TRUSTED BY THE BEST

Our portfolio includes projects for some of the biggest brands in the world: Danone, Coca-Cola, Arla, Unilever, Carlsberg or Novartis. In Poland, we have worked for McCain, Kellogg's, PCC Kosmet and Lesaffre, among others. These brands chose us not only for the technology - but more importantly for the trust and quality of cooperation.







Poland Cosmetics



Netherlands Dairying



Netherlands Pharmacy



Poland / Great Britain Meat/poultry



Netherlands Dairying











Holandia Netherlands



Poland



LESAFFRE

Poland









Germany Ice-cream



Vegetables



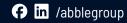
WE ARE ABBLE TO DO IT!

If you are looking for a partner for an advanced technology project – LET'S TALK.

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