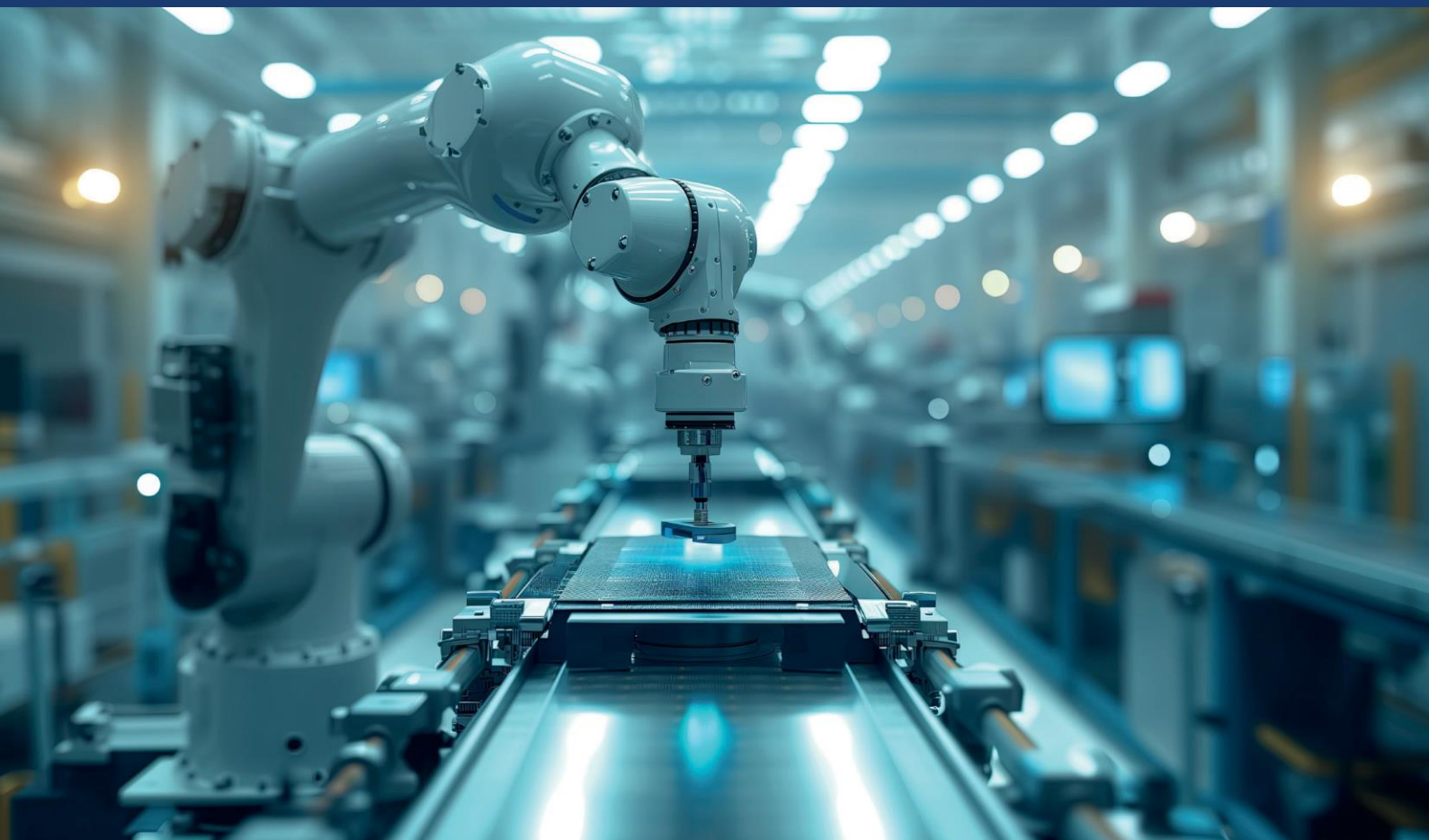


Invelogic.

MACHINE CONSTRUCTION
AND INDUSTRIAL AUTOMATION

PRODUCTION PROCESS
AUTOMATION

MACHINE SAFETY



WWW.INVELOGIC.PL

Why choose us?

We specialise in the design and manufacture of industrial machinery and equipment. We supply our products to customers throughout Poland, Europe and the world, serving a wide range of industrial sectors. We design and build bespoke machines to customer specifications.

All our equipment and systems are designed and manufactured in-house. Our team utilises the latest technologies throughout the entire design process for automation, mechanics, pneumatics and hydraulics. We use SolidWorks and EPLAN software for design.

The foundations on which we build our technology.

Safety

It is no coincidence that safety goes to the top of the list – it is our daily priority and the key to responsible operation.

Employees

Behind every success of Invelogic are our employees. We believe that investing in their development is the best way to grow together.

Relationships

In our work with customers and suppliers, we rely on mutual respect, openness and trust.

Innovation

We don't stand still – every day we seek solutions that will not only improve operations but also revolutionise standards.

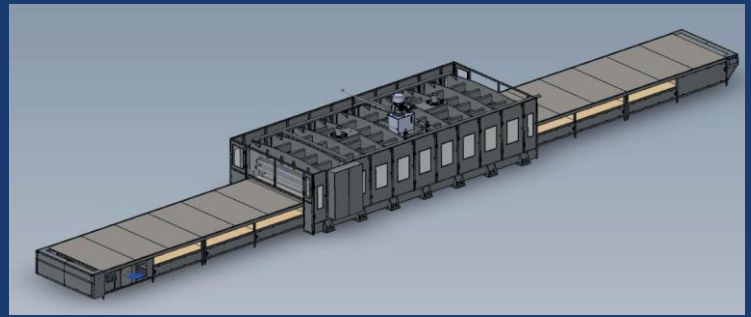
Flexibility

Our projects are carried out in line with our customers' needs. We create exactly the product the customer needs.

Creativity

At Invelogic, this means thinking outside the box. Creating projects that are modern and innovative.

INDUSTRIAL MACHINERY AND EQUIPMENT MANUFACTURING



Robots and robotic systems, collaborative robots:

- palletising/depalletising
- pick and place
- unloading and loading
- robotic assembly of components
- loading and unloading from machines currently operated by operators

Machines and assembly stations for operations such as:

- screwing, riveting, pressing in
- lubrication, bonding
- traceability systems
- labelling systems (labels)
- printing systems (printers)
- plastic welding (rotary, ultrasonic)
- fitting of gaskets and O-rings

Machines for testing, inspection and measurement

- measurement of force, pressure, leak tightness, temperature, displacement, resistance, circuit continuity



Conveyor systems

- belt, roller, bucket and modular conveyors

Production lines

- we combine individual processes into automated production lines, enabling fully automated operation — without the need for operators



AUTOMATION OF PRODUCTION PROCESSES

Production lines

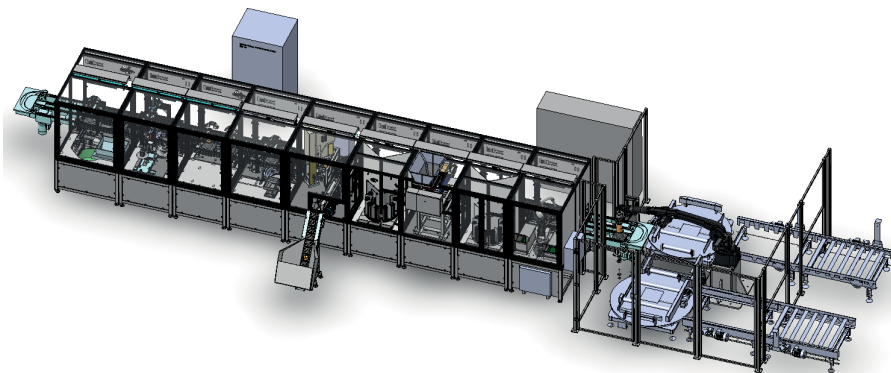
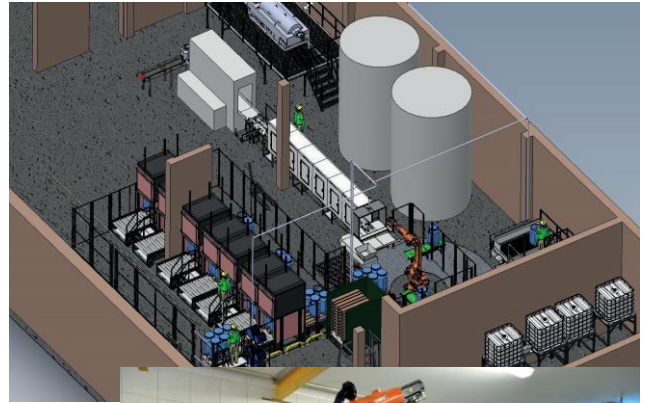
We specialise in the design of production lines for various industries, such as:

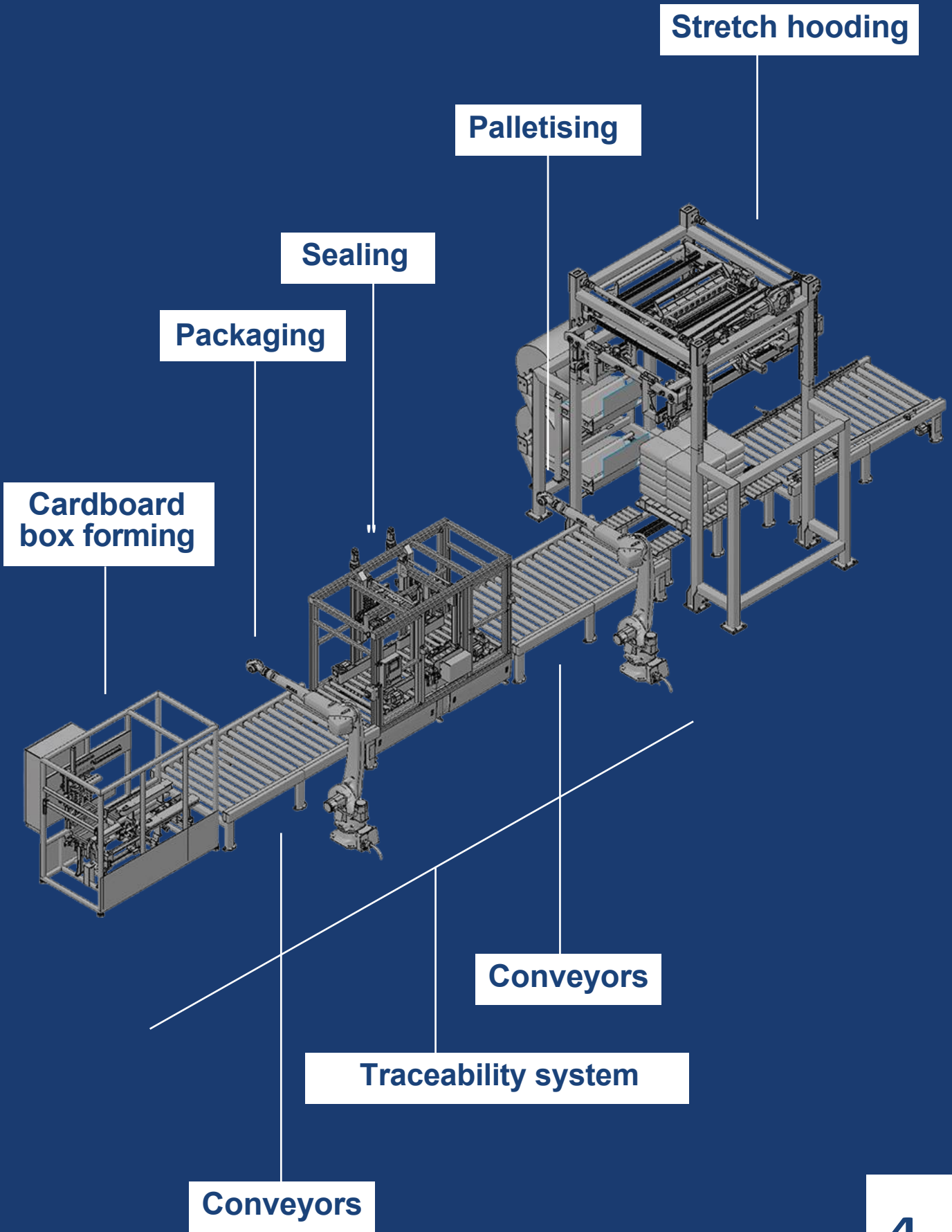
- automotive (assembly lines, welding, machining, transport, labelling, marking, etc.)
- electronics (assembly lines for electrical and electronic components, packaging, marking)
- textiles (mat production lines)
- furniture (conveyor lines, packaging lines, weighing stations)

We use only the latest technologies

Our production lines utilise the latest technologies designed to achieve optimal production: industrial robots, collaborative robots, vision systems, Industry 4.0 equipment with the capability to connect to higher-level ERP systems.

We provide full documentation required by the Machinery Directive 2006/42/EC, a CE Declaration of Conformity and CE marking for the production line with every production line we design.





FROM THE IDEA...

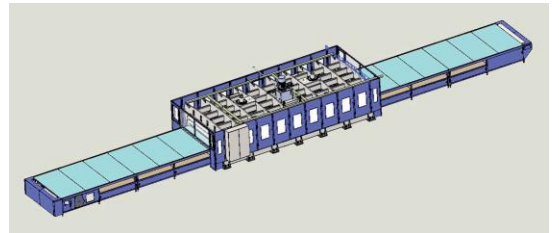
Food industry

We offer conveyor systems and blister packaging machines that meet the highest standards of hygiene and safety. We design our equipment with the food industry in mind; we use closed profiles and eliminate sharp edges. The structures are resistant to corrosion and chemical agents.



Textile industry

We supply conveyor systems and machines for rewinding, unwinding, vulcanising, cutting and stacking materials. We design each machine so that it ensures precise and reliable operation in the textile industry.



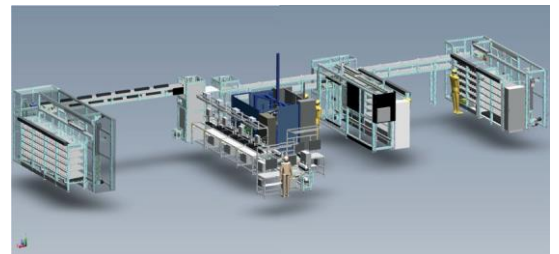
Pharmaceutical industry

We implement transport systems and machines for packaging, blister packing and the production of medicines. The machines are precise, hygienic and completely safe to use, ideal for the requirements of the pharmaceutical industry. Our designs support efficient intralogistics and product control.



Logistics sector

We supply transport systems, lifts, AGVs, stacker cranes and automated racking systems, enabling the transport of goods at various stages of storage. Our machines are reliable, efficient and easy to operate, ensuring a smooth flow of materials, whilst our structures support the automation and optimisation of warehouse processes.



TO THE MACHINE

Automotive industry

We manufacture systems and workstations for manual and semi-automatic assembly, equipped with rotary tables, EOL stations and production lines. The machines are efficient, ergonomic and reliable, supporting high-quality production.



Woodworking Industry

We integrate transport systems, visualisation equipment, in-process quality control systems, printers and metal detectors, as well as machines designed to support operations in the woodworking industry. We also offer robotic systems for palletising, stacking and material handling.



Heavy industry

We design and build transport systems, cutting machines, hydraulic and mechanical presses etc., as well as modernise and modify existing machines. The machinery we produce and handle is robust, efficient and designed for intensive use.



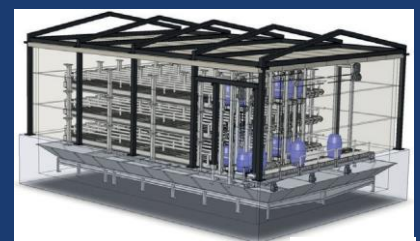
Defence industry

We develop systems and workstations for assembly, testing, manufacturing process automation and product quality verification. The machines support production, enhance component quality, and are durable and reliable even under demanding conditions.



Waste processing industry

We design transport equipment and systems, robotic machines, shredders, mills and specialised equipment tailored to individual customer requirements. Our solutions also include control systems and process visualisation.



ACQUISITION AND INTEGRATION OF MANUFACTURING MACHINES

Case Study: Box pallet strapping station

The customer required a strapping station for non-standard-sized box pallets – a solution not available in the standard market range.

They reported that the available strapping machines did not meet the requirements regarding production line dimensions, hall space and functionality. We designed a custom station using a strapping module from a proven manufacturer, thereby avoiding high additional costs and extended lead times. The result is a fully customised, efficient workstation that meets all the customer's needs and integrates seamlessly with the existing production line.

Such situations arise when a client needs to achieve the desired result in an optimal way, quickly and at low cost. The equipment was designed from scratch, but based on tried-and-tested, reliable components available on the market.

Case Study: Packaging line with a modular approach

The client needed a solution quickly, efficiently and at the lowest possible cost.

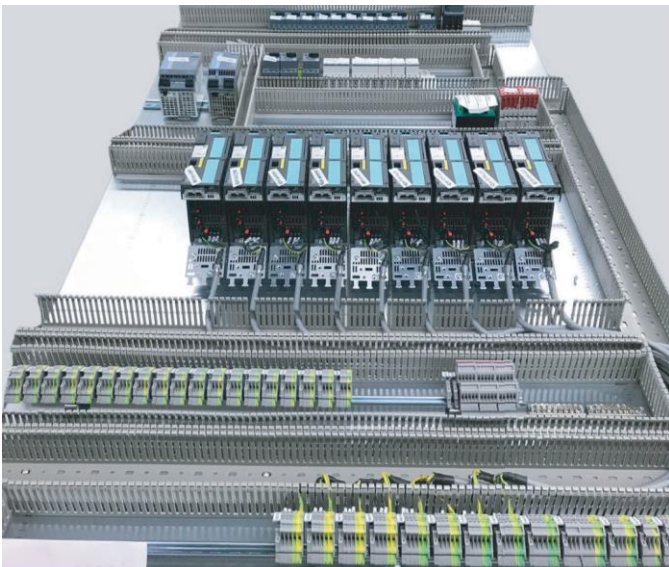
We designed a complete packaging line consisting of five stations and sub-stations. For one of them we utilised a module available on the market – proven, specialised and cheaper to implement.

We manufactured the remaining part of the line ourselves, thanks to which the whole system operates coherently and efficiently. This approach enabled rapid implementation, cost reduction and the use of proven solutions, whilst tailoring the entire line to the client's individual needs.

INDUSTRIAL AUTOMATION

Scope of services

- design and implementation of control and automation systems
- design and implementation of machine safety systems
- prefabrication of control cabinets
- PLC programming (Siemens, Allen-Bradley, Mitsubishi, Omron, Schneider, Pilz)
- visualisation of technological processes (HMI, SCADA, Siemens WinCC, Wonderware InTouch, Copadata Zenon, Proface, Promotic)
- production reporting
- data transmission and acquisition systems
- implementation of industrial distributed systems, LAN and WAN networks
- implementation of wired and wireless transmission systems (radio modems, GSM/GPRS)
- integration of automation systems with enterprise management systems
- development and implementation of bespoke industrial software
- development and implementation of communication systems between controllers and on-site equipment



MACHINE MODERNISATION AND CUSTOMISATION

Experience

The staff at Invelogic have many years of experience in modernising and adapting industrial machinery and equipment to current requirements. We customise mechanical structures, electronic systems and control systems. Our services include adaptation of older machines to achieve the minimum operation safety standards.



Our services include

Modification of control and automation systems based on programmable logic controllers (PLCs) and industrial computers. We also upgrade older control systems to modern and innovative systems.



Modernisation - BEFORE



Modernisation - AFTER



We also offer:

- mechanical conversion of industrial machinery
- migration of old control systems to modern ones
- software modifications to industrial PLCs
- software modifications to operator panels
- control, automation and pneumatic system diagnostics

MACHINE SAFETY

We provide

Solutions that enhance the safety and operational efficiency of machinery, industrial installations and production lines. We are a company that supports clients in bringing machinery safety into line with current legal requirements.

Scope of services

- risk analysis and assessment
- technical consultancy
- initial and periodic inspection audits
- machine validation
- design of safety solutions and systems
- adaptation of machinery to minimum and essential requirements
- migration of safety controllers (Pilz, Siemens, Allen-Bradley, Sick)
- security of data and access to controllers



Thanks to our many years of experience and solid technical expertise, we effectively respond to the diverse needs of the market. Our innovative approach to design and manufacturing enables us to deliver solutions across various sectors, including: automotive, textiles and rubber, electronics, plastics, and household appliances.

More information on our website



Invelogic.

Head office



Invelogic Sp. z o.o.
ul. Generała Józefa Hauke-Bosaka 1
25-217 Kielce
Świętokrzyskie Province



www.invelogic.pl

Contact



+48 690 908 226



Front Desk:
office@invelogic.pl



Enquiries:
offers@invelogic.pl