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MOVING FORWARD
TOGETHER



співпраця з
німеччиною
DEUTSCHE ZUSAMMENARBEIT

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Zusammenarbeit (GIZ) GmbH



EAM CLUSTER ZAPORIZHZHIA

«ENGINEERING - AUTOMATION - MACHINERY»

Working together
for development



EAM

Zaporizhzhia

Zaporizhzhia regional cluster "Engineering – Automation - Machinery" together with partners provides prerequisites for the development of participating companies, industry representatives, as well as - is a driving force for economic development of Zaporizhzhia region.

We strive to learn, build strength and enter new markets, get large orders. After all, a group of companies interacting in one structure can achieve much greater results than one.

The EAM cluster was founded on the initiative of Zaporizhzhya Chamber of Commerce and Industry, Association of Industrial Automation Enterprises of Ukraine, National University "Zaporizhzhia Polytechnic" and a group of Zaporizhzhia companies.

The booklet was prepared by Zaporizhzhia Regional Cluster "Engineering - Automation - Machinery" within the project "Implementation and Implementation of the EU-Ukraine Association Agreement in Trade / EU4Business: Competitiveness and Internationalization of SMEs", jointly funded by the European Union and the German government and implemented by the German federal company Deutsche Gesellbeisenschaft f. The aim of the project is to create better conditions for the development of Ukrainian small and medium enterprises, support innovation and stimulate exports, which is the path to sustainable and even economic growth. As part of the Team Europe approach, the project will also help restore Ukraine from the effects of COVID-19.

The content of the booklet is the sole responsibility of Zaporizhzhia Regional Cluster "Engineering - Automation - Machinery" and does not necessarily reflect the position of the European Union, the German government, GIZ.



АППАУ



www.cci.zp.ua

www.appau.org.ua

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EAM Cluster

It unites the leading players of Zaporizhzhia region in the sectors of industrial engineering, automation, IT and mechanical engineering.

CLUSTER MEMBERS



CLUSTER MISSION

Economic potential growth of Zaporizhzhia region by strengthening cluster members' competitiveness and developing the regional innovative ecosystem of high-tech industrial sectors. The EAM cluster is based on a collaboration of a wide variety of players in the following economic sectors: Engineering, Automation, Machinery.

INTERNET CLUSTER PLATFORMS



www.iamcluster.zp.ua



www.cluster.zp.ua



The first international agreement

Cooperation Agreement between Zaporizhzhia EAM Cluster and Lithuanian Automotive Cluster (September 2021).



Memorandum of Cooperation of the EAM cluster with INDUSTRY CLUSTER 4.0 - Czech association of engineering and IT companies (November 2021).



ZAPORIZHZHYA CHAMBER OF COMMERCE AND INDUSTRY

President Volodymyr SHAMILOV



Zaporizhzhya Chamber of Commerce and Industry unites more than 500 business entities, is part of the world and national system of Chambers of Commerce and Industry.

The member companies of the Chamber represent almost all sectors of the economy and produce more than 70 percent of the gross regional product.

The guarantor of service quality is the implemented quality management system that meets the requirements of the international standard ISO 9001, certified in the system, which is confirmed by the international certificate DEKRA.

Our partners are business associations from Europe, Latin America, the Middle East and Asia. In total, there are about 70 bilateral cooperation agreements.

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**Founders and members
of the Cluster EAM**

THE ASSOCIATION OF INDUSTRIAL AUTOMATION ENTERPRISES OF UKRAINE



General Director Oleksandr YURCHAK

The Association of Industrial Automation Enterprises of Ukraine (APPAU) was established in 2011. The Association represents the interests of the Ukrainian industrial automation community – vendors, ASUTP-IT integrators, developers, machine builders, educational institutions, customers. The activities of the Association are based on the principles of cooperation and joint solution of common problems inherent in many progressive communities, including in Ukraine.

Since the beginning of its existence, APPAU has come a long way in consolidating players from various industries and categories. Today it is a mature organization with more than 50 players from all market categories. He is a recognized leader of the Industry 4.0 Movement in Ukraine in Ukraine, the author of National Strategy 4.0, the founder of the Technical Committee 185 (IEC / ISO standards), a partner of many industrial and high-tech opinion leaders. The Association closely cooperates with the ministries of the Cabinet of Ministers of Ukraine in creating the order of development of industrial high-tech markets.

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ZAPORIZHZHIA POLYTECHNIC NATIONAL UNIVERSITY

Rector, Ph.D., Professor Viktor GRESHTA



Zaporizhzhia Polytechnic National University is the largest institution of higher polytechnic education in the South-Eastern part of Ukraine with a centuries-old history. The university enrolls more than 9,000 students in 41 specialties, and in 150 educational programs of educational and scientific levels of higher education "Bachelor", "Master" and "Doctor of Philosophy".

The university trains specialists for the aviation, aerospace, electrical, electric power, metallurgical, machine-building, and radio-electronic industries. The teaching staff consists of more than 670 people, including 82 doctors of sciences, professors and 325 candidates of sciences, associate professors. The university consists of five vocational colleges.

Zaporizhzhya Polytechnic National University is a powerful educational and research complex equipped with modern research equipment, it performs a large amount of basic and applied research.

The training center "Education for Business and Career" and "Children's and Youth Research University "Zaporizhzhia Polytechnic" were opened.. To ensure effective cooperation with business and support innovative developments, the university has created a business incubator, educational and scientific space "TechnoHUB", educational and scientific center "Engineering School Noosphere NU "Zaporizhzhia Polytechnic", laboratory of artificial intelligence, Industry Center 4.0.

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TRIADA-WELDING



CEO Kyrylo KRASNOSELSKY

Our mission:

We make the world a more technologically advanced place by creating smart industries

The history of Triada-Welding began in 1992. The company is the integrator of industrial robotic welding complexes, offers technologies and solutions for the development of industries using welding processes in Industry 4.0. Triada-Welding conducts foreign economic and export activities.

Sphere of activity: welding technologies, additive technologies, engineering, outsourcing, robotization, design and production of equipment, conductors, etc., protective systems for welding, design and manufacture of welding tooling and conductors; training and R&D.

Positioning: Additive technologies by WAAM method, engineering and design, robotization of welding processes in machine building, aerospace and other industries. Industry 4.0 solutions.

Value proposition: Additive manufacturing technologies for aerospace and engineering industries. Design of unique tooling and conductors, robotization of welding processes.

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INFOCOM LTD

General director Eduard TROTSENKO



INFOCOM LTD is expert in the application of innovative technologies, energy distribution solutions and implementation of software products that provide automation and complete information about current processes.

Our expert competencies:

- increased hazard work for electrical installations and process equipment with voltage up to 330 kV;
- software development for process automation and process control software and IT production management software, including MES, ERP level;
- solutions using digital identification, machine vision, self-learning neural networks;
- production and supply of cabinets for automatic process control systems, low voltage switchgear, 0.4 kV power distribution cabinets, including those licensed by SIEMENS SIVACON;
- installation and commissioning of equipment;
- providing technical support and training for customer staff;
- supply of equipment from world leading manufacturers.

INFOCOM LTD – a team of like-minded people: young, ambitious, responsible.

For 25 years in the market, we have completed more than 1000 projects.

Our competencies are confirmed by world giants in the field of automation.

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ROLL GRAND, LLC



CEO Vladyslav BASHCHEVANZHYY

Producing accessories for gates (sliding, contilever, swing gates and sliding doors).

We are represented on the markets of Belarus, Kazakhstan, Moldova, Lithuania, Latvia.

We are looking for partners in Europe, Asia and Africa.

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KOTLOMONTAZH, LLC



CEO Mykhailo GRECHUKHA

The industrial company KOTLOMONTAZH LLC was restructured in 2015. The history of the enterprise dates back to 1992. The main activities of the company are the production and repair of metal structures and non-standard equipment of ordinary and stainless steel grades. Execution of construction and installation and commissioning works.

The company manufactures, repairs and installs:
 Recycling boilers, desecrators and parts of industrial boilers.
 Gas cleaning equipment.
 Construction metal structures.
 Tanks and reservoirs, filling and pumping stations.
 Attached and trailed agricultural equipment.
 Welded pipes, ventilation and pipeline parts (taps, transitions, tees and compensators).
 Quickly assembled buildings and hangars.
 Manufacture of equipment according to drawings or according to the customer's sample.
 Qualification of specialists of the enterprise allows to carry out the project from idea to its full realization.

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BLYSK METAL SERVICE PRO, LLC



CEO Volodymyr MYSOV

Blysk Metal Service PRO Limited Liability Company was established in September 2016. The company specializes in the production of polypropylene equipment for galvanic processes, supply of voltage rectifiers (electrical equipment) of European production (KraftPowercon Sweden AB) for industrial enterprises.

In addition, BMS PRO manufactures a variety of polypropylene products for industrial processes, as well as machining metal products. The company provides a full cycle of equipment production: approval of drawings, production of orders, repair and maintenance of sold products.

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TRADECOMP, LLC

CEO Maksym RUTKOVSKYI



China is an important business partner of Ukraine. LLC «TradeComp» know how to find a reliable partner in China, which is why our company offers consulting services when working with China. LLC «TradeComp» search for suppliers, goods, partners, transaction support, production control, and protection of interests. If you are interested in doing business with China, LLC «TradeComp» are the ones who will help you.

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ASSOL, PSPCE



CEO Pavlo KHARCHENKO

Private small production and commercial enterprise «Assol» is an official dealer in Ukraine of a number of leading world companies and factories of heavy engineering. The company has established the production of tenth-class bulldozers, as well as modernization and overhaul of equipment.

Also in the range of services of the company there is free maintenance during the warranty period, post-warranty service with a full package of technical documentation. To ensure the prompt and comfortable implementation of technical work, there is a visiting team of professionals who can come to the client's base and provide assistance or advice. In order to create the most comfortable conditions for the purchase of equipment, a number of programs have been implemented, which makes the equipment more accessible. One of them is a partnership program with Pivdennyi Bank, under the terms of which it is possible to purchase equipment in installments at a base rate of 0.1% per annum. There is a proposal «TRADE IN», which provides for the exchange of old equipment by purchasing new ones. «Assol» specialists come to inspect the condition of the equipment, make an expert opinion with the owner, and agree on further steps.

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TAVRIAN CASTING COMPANY TALKO LTD



CEO Oleksandr PSHENYCNYYI

Tavrian Casting Company TALKO LTD produces castings from aluminium alloys by means of high pressure die casting, low pressure casting and gravity casting. Company designs and manufactures casting tools and devices for machining, machined parts and fabricated assemblies.

Over 20 years we are proving our sustainability, reliability and efficiency in the market of casting production in Ukraine and abroad. High scientific-technical and intellectual potential enables our enterprise to solve practical tasks of any complexity in casting. Our partners are leading European and Ukrainian manufacturers of machine building, automotive industry, electric equipment and many others. The quality management system of our company is certified in accordance with requirements of international standard ISO 9001.

The company's field of activity: foundry production.

Market segment: parts, assemblies and units where aluminium casting is used; market segment – automotive, mechanical engineering, agricultural machinery, electrical equipment and more.

Offer: high-quality casting of aluminium alloys, machining.

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WORLDWIDE OPPORTUNITIES, LLC



CEO Polina KOSTUICHENKO

Worldwide Opportunities LLC provides training in working professions for further employment abroad. The company is a member of Zaporizhzhya Chamber of Commerce and Industry. The company conducts theoretical and practical training in the following specialties: welder, turner, miller, metalworker, painter, plasterer, electrician, plumber, cook, maid, nurse, etc., which will be held at specialized enterprises.

The period of retraining is from 2 to 7 months.

In the process of obtaining an additional specialty, you have the opportunity to take foreign language courses focused on the country of your future employment. The duration of the courses is from 3 to 6 months. Courses provide an opportunity to learn the language at a conversational level and by profession.

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ENGINEERING COMPANY GREEN SYSTEM

CEO Oleksandr SAFRONKIN



Engineering company GREEN SYSTEM was founded in April 2012 by a team of qualified engineers to work on projects in the field of electronics, telecommunications and construction. The company offers turnkey solutions and services in the field of alternative energy and energy efficiency, we implement projects on full autonomy and energy independence of your facility.

GREEN SYSTEM is a leader in the construction of network solar stations for households in the south-east of Ukraine. We have built more than 300 solar power plants for industrial enterprises, gas stations, farms, private homes, hotels, recreation centers, shopping and office centers.

These are network and hybrid solar stations both for the sale of surplus electricity and to compensate for their own consumption. More than half of the facilities were built on the recommendations of previous customers.

The company is an authorized service center for inverter equipment of European and Chinese brands, such as FRONIUS, AFORE, SERMATEC, HUAWEI and others. Official supplier of SOLA photomodules (Poland), SOLUNA energy storage systems.

From 2020, we offer installation and maintenance of charging stations for electric vehicles. Contracts have been concluded with leading manufacturers of charging stations for service and installation. We also offer the supply of new private and commercial electric vehicles.

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THERMO-ENGINEERING, LLC



CEO Maksym KYSELYOV

LLC "Thermo-Engineering" has many years of experience in the field of design, and also includes in its staff highly qualified specialists of general profile (technologists, designers, designers, adjusters, etc.), carries out complex design and construction of industrial and civil construction:

1. Design of new construction, technical re-equipment and reconstruction of existing industrial enterprises.
2. Civil objects, residential buildings and structures.
3. Inspection of the condition of building structures.
4. Performance of functions of the General design organization.
5. Adaptation of foreign engineering to the existing building codes of the customer countries.
6. Development of design projects.
7. Execution of construction and installation works

Also LLC "Thermo-Engineering" is ready to cooperate at all stages of development, modernization or repair of industrial equipment

High level of work performance, experience and comprehensive approach are the main principles in the work of LLC "Thermo-Engineering".

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ZAPORIZHCRAN, JSC



CEO Serhii PLIASOV

JSC «Zaporizhcran» is a specialized plant for the production of bridge, gantry and special cranes and components. The plant was founded in 1928, and since 2005 it has been cooperating with the Finnish corporation Konecranes, a world leader in crane construction and crane equipment service. In 2010, the plant became a full member of Konecranes Corporation. Today, 99% of products are exported worldwide.

JSC «Zaporizhcran» uses the latest production technologies of lifting equipment. With the help of corporate mutual exchange of information and technologies, between the production sites of the corporation, the company launches new products and technologies. The company has unique technologies for the manufacture and repair of crane equipment, which is carried out without its dismantling, development of design and assembly technology of gantry cranes of the «Mark» series and much more.

The corporation pays much attention to the culture of production, as well as practices of lean production such as – 5S, 6 Sigma, Kaizen, Infobox, Konecranes Way. Workers are periodically trained in these practices and run their own projects.

In 2011, Konecranes initiated a project to create an industrial park on the territory of Zaporozhcran plant. The project of the industrial park envisages the unification of production and other enterprises on the territory of the plant through a common infrastructure and mutual production cooperation. This allows all participants in the industrial park to save on infrastructure costs, more efficiently organize industrial production and logistics.

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SATURN, LLC



Cofounder Olga PAVLIUK

SATURN operates as a manufacturer of auto parts and spare parts for agricultural machinery for 20 years in the Ukrainian market. Collaborates with partner companies in the industrial sector and provides services for the production of equipment and machining of metals.

180,000 finished products per year, 19 regular customers and dealers, 9 regions under our coverage.

We offer products for a number of automotive countries in the CIS, as well as Korean and Chinese production. Every year we increase the range, supplementing spare parts for European cars, as well as open to proposals for mass production of goods in demand.

Production of stamps and molds.

The company has a full cycle of tool production. Samples or drawings must be sent to order. You will receive the development of technical documentation, calculation of the cost of your product, design and technological support of specialists.

We provide services: powder painting, galvanic covering, molding, production of products from rubber mixes.

Machining of metals: erosion treatment, heat treatment of parts, electroplasma cutting, metal bending, grinding, machining on CNC milling and turning groups, production of stamped parts, cutting teeth, machining holes on the coordinate boring machine.

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YUZHTRANSPOLIS PLUS, PE

CEO Oleg PEDENKO



PE "YuzhTransPolis Plus" was established in 2000 and specializes in gateways of various levels of complexity, from domestic to industrial and specialized handling systems, dock switchers, levellers, which are used in large production facilities, supermarkets, etc.

The company also specializes in Hormann doors of various levels, from domestic entrance, interior, to industrial fire, and can offer you a wide selection of models for every taste and colour.

PE "YuzhTransPolis Plus" automates doors and gates with the help of Italian automation DEA and German automation Hormann, for all types of gates. Provide any parking lot or a separate area with barriers, bollards, and install traffic lights or access control system to parking areas.

You can choose sun protection systems for any style and design. Curtains from classic to automatic, blinds are made of environmentally friendly materials or awnings, pergolas, roller shutters or roller shutters that will protect from the sun outside.

The company performs a full cycle of work from development, design to installation and maintenance. Distinctive features of the company are the focus on high technical standards and quality. That is why our certified specialists are trained annually in Germany and have 20 years of experience in this field.

PE "YuzhTransPolis Plus" is an active participant in all regional exhibitions, is part of Zaporizhzhia CCI, and has a certificate of official distributor "Horman-UA" is the official representative of HÖRMANN (Germany) in Ukraine.

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TERMOLIT, LLC



CEO Isa ISAIEV

"TERMOLIT" LLC has been on the foundry market for more than 25 years and it is one of the leading manufacturers of innovative equipment for melting, heating and hardening of metals, which serially produces induction coreless melting furnaces of ICMEF type, semiconductor ultrahigh, high and medium frequency generators (HFTG), thyristor converters (TFC), also specialized hardening machines.

The company provides a full cycle of production – from design, assembly, technical control before shipment to the Customer to the launch of equipment directly on site at the Customer.

For 25 years of activity more than 417 (pieces) of Melting electric furnaces, 537 (pieces) of Thyristor frequency converters, 340 (pieces) of High-frequency transistor generators were made and put into operation. Also, more than 30 innovative non-standard projects have been developed, designed according to the individual customer requests: from high-voltage power supplies to electric butt welding installations. The company will not stop there!

The equipment of Termolit LLC is delivered to more than 20 countries of the world. This is facilitated by constant participation in international exhibitions, with high competition.

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LIZMARK, LLC



CEO Yehor KOCHNIEV

LIZMARK was established in 2018 and specializes in the production of freight elevators, mast lifts for construction, lifts for low mobility groups, restaurant lifts and cottage elevators.

LIZMARK Design Bureau allows you to manufacture and design non-standard solutions for lifting loads or people

In 2019, our company was one of the first to design and manufacture a lift for low mobility groups. Received a certificate of conformity for this product and launched them into mass production. Our quality was assessed by such flagships of the Ukrainian market as: "PRIVATBANK", "RAIFFEISEN BANK AVAL", "GOOD DAY PHARMACY", took part in the reconstruction of a number of schools and hospitals according to the "GREAT BUILDING" program.

Despite the small age of our existence, our company has exported its products to countries near and far abroad.

And our freight elevators are located at the Ukrainian-Moldovan and Ukrainian-Romanian border crossings. At the Mayaki-Palanka and Orlivka-Isakcha checkpoints, respectively.

Our products are made of quality materials so that our customers can appreciate the quality of the Ukrainian manufacturer.

Every year we increase the line of our own products to the needs of the market. In 2021, we launched a mast construction lift and a cottage elevator.

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ENGINEERING COMPANY ATIKO



CEO Oleksandr UMANSKYI

Engineering company Atiko - a developer and manufacturer of equipment for wireless data transmission - was founded in 2010 and specializes in engineering and implementation of IIOT at:

- industrial facilities;
- agricultural industry;
- transport;
- housing and communal services.

The company provides a full range of networking services – from infrastructure engineering and network construction to the provision of client software and hardware maintenance. The special advantages of providing the company's services and hardware are the wide range of features, integration with various devices and systems, which allows flexibility in approaches to meet customer needs.

The company is an active participant in the development of the national network based on LoRaWAN technology. With the high technical standards, quality of component parts and utmost professionalism of our employees, our customers are always able to receive the first-class service and implement individual projects.

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