



AUTOMATION SPIRIT ALLIANCE

Control Systems Development & Installation

ABOUT US

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ASA (Automation Spirit Alliance) – is a rapidly growing Ukrainian/Polish hardware and software development company.

ASA-Projekt – Polish representative office of the ASA company.

Our achievements and core values :

- ◆ Many years of successful experience in the field of control systems development;
- ◆ Successful experience in the development and implementation of unique control systems for explosive and hazardous industries
- ◆ Cooperation with the world leading technical companies;
- ◆ Individual approach to each client and building a long-term partnership based on the understanding and trust;
- ◆ Highly qualified and competent staff;
- ◆ An innovative approach to the project engineering.

ASA company provides a full range of works on the development of automated control systems.



OUR MISSION

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Up-to-date control systems development

Development and installation of up-to-date control systems in order to improve production process.



Integration of innovative technologies

We create future with our partners, by implementing innovative technologies in the various industries.



International partnership

We are focused on the development of long-term partnership, based on the expertise of our team and the experience of successfully completed projects in Europe, Asia and South America.



OUR SERVICES

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Pre-project
Inspection



Project
Documentation
Development



Software
Development



Construction and
Installation



Commissioning



Customer Support
Service



OUR TEAM



Leonid Bielkin

**Head of Project
Department**

- Aerospace Engineer
- 10+ years of scientific activities at one of the largest research institutes of aerospace industry in Ukraine
- Certified Expert in Project Management



Mykola Antsyferov

CEO & Founder

- Computer Science Engineer
- Was engaged in the automation of radar equipment
- Founded the company and built a strong professional team which is still growing



Hennadii Fomin

**Head of Software
Development Department**

- Doctor of Technical Sciences
- 10+ years of scientific activity at the Kharkov Institute of Radio Electronics
- Professional developer of modern control systems

The ASA team consists of 30+ professionals in ACS, software development, project engineering and economics.

ROADMAP

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2013



Foundation of the **Automation Spirit Alliance**

2014



Development of control systems for the Alcantara spaceport (Brazil).



Innovative Project in collaboration with TCH company (Colombia).
Development of a control system for the heavy oil refining machine.

2015



Upgrading of control system of wastewater treatment plant in Kaliningrad.
In partnership with Scientific Research Institute «ECO-POLYMER».
*EBRD sponsored project



Development of control system for the PepsiCo factory.



Start of strategic partnership in the Ukrainian Defense Industry.



ROADMAP

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ASA strives to develop our potential in partnership with the world's leading industrial companies. Our team is ready to be a system integrator of technologies and equipment within the **Industry 4.0** program.



OUR CLIENTS

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PAVLOGRAD CHEMICAL PLANT

National enterprise for the production of rocket fuels and engines.



Our team has a strong skill of developing unique control systems.



We successfully developed and implemented control systems for:

- ◆ Production of mixed solid rocket fuels
- ◆ Disposal various types of ammunition
- ◆ Production of high-energy materials and products



We are proud of the number of successfully completed projects in high-tech fields.



OUR CLIENTS

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LLC GRAND-BETON

One of the leading ready-mixed concrete manufacturers in Ukraine.

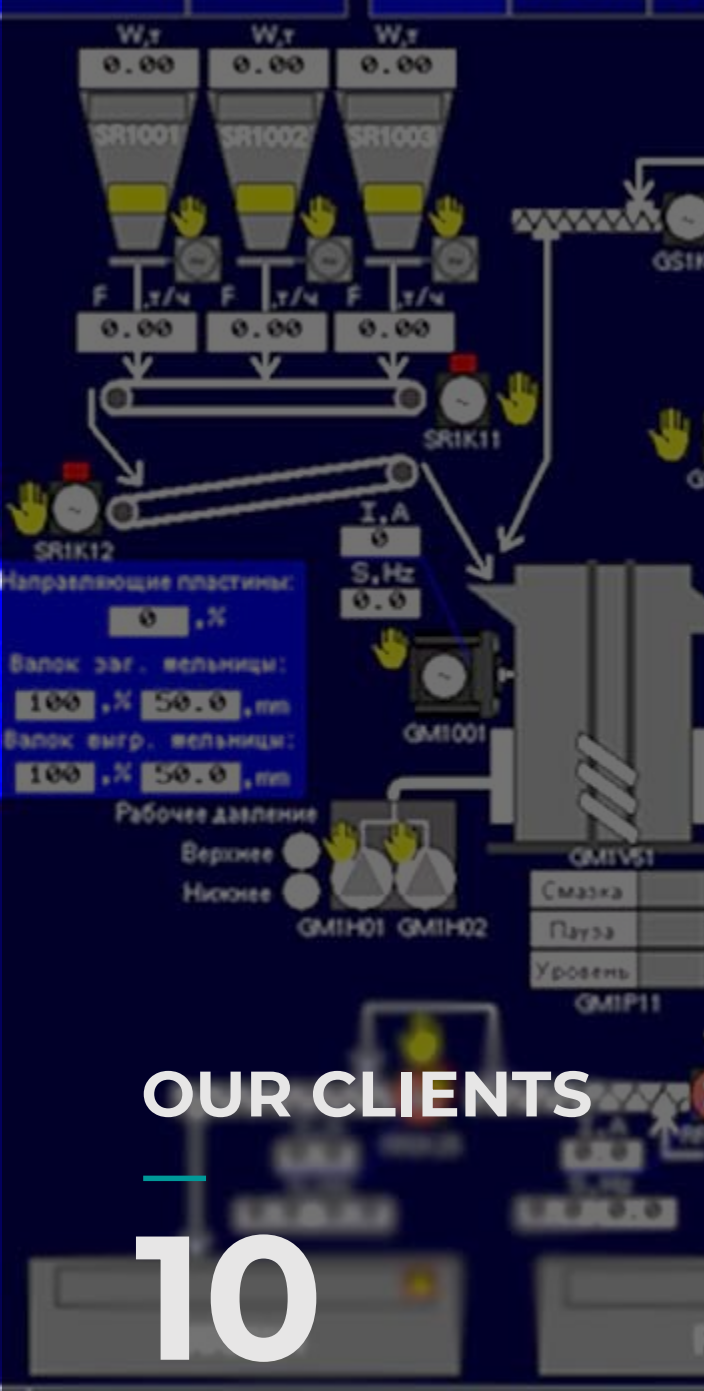


ASA-MIX-1 Concrete Plant Automation System.

- ◆ ASA installed a comprehensive solution for the automation ASA-MIX-1 for all existing plants and updated all workstations,
- ◆ Consolidated and integrated the entire reporting system with detailed analytics into the client's ERP and,
- ◆ Optimized the speed and accuracy of dosing through the use of precise mathematical formulas and adaptive algorithms.
- ◆ ASA has been providing technical support to the client after the implementation and launch of our software.

ASA-MIX-1 has been successfully implemented and shows excellent results on SIMEM (Italy), STETTER (Germany), MEKA (Turkey), ELKON (Turkey) concrete batching plants.





APCS FOR CEMENT PRODUCTION

We have developed APCS for an innovative cement production plant with two parallel production lines (25 tons per hour each), with storage and packing departments.

This new technology with the contribution of APCS is based on the implementation of an energy-efficient drum-roll mill instead of a ball mill.

ASA team provided a «turnkey» solution for the customer: design, engineering, supply, and manufacturing, including PLC, HMI, SCADA software development, assembling, and commissioning.

OUR CLIENTS

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UKRAINIAN RAILWAYS



The special hardware and software for managing train speed in order to reduce energy costs was successfully developed and implemented.

*GNSS based technology.



The special hardware and software for monitoring train traffic and inform passengers about delays on the train stations was successfully developed and implemented.

*GNSS based technology.

The ASA company has been providing complex software and hardware solutions for the main transport company in Ukraine for many years.

OUR CLIENTS

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TREATMENT CAVITATION HYDROCARBONS

TCH - *cavitation treatment of hydrocarbons*, this technology is designed to improve the characteristics of oil to transfer it from heavy to medium class, for further transportation and use.



Our team has a strong skill of developing unique control systems.



ASA team developed and implemented control system for innovative equipment on the oil factory in Colombia (South America).

OUR CLIENTS

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RELIABLE SUPPLIERS OF EQUIPMENT

The experts of ASA team create control systems using reliable equipment of the world leading technical companies.





SIEMENS
Ingenuity for life

EXPERIENCE WITH SIEMENS



For several years our team has been integrating Siemens equipment at different enterprises in the various industries.



We have created dozens of control systems based on WinCC, PCS-7 and PLC Simatic S7-1500.



We enjoy working with Siemens equipment and we aim to expand our successful experience of Siemens technologies implementation all over the world.





Life Is On



DIGITAL TRANSFORMATION WITH SCHNEIDER ELECTRIC

ASA engineers constantly use Schneider Electric equipment in automation of various production processes.



Altivar – Frequency converters with built-in AI services.

Altivar frequency converters improve the overall efficiency of equipment, reduce the cost of operation through the implementation of energy management.



Altistart – Soft start/soft stop units for asynchronous motors.

Altistart equipment allows to increase reliability and lifetime of equipment. With built-in thermal motor protection function as well as machine monitoring functionality.



Tesy U – Protection and control system for electric motors.

Tesy U provides short-circuit and overload protection, motor start and disconnection functions etc.





CREATIVE SOLUTIONS WITH PHOENIX CONTRACT

Creative solutions for a smart world

Shaping digitalisation together with PHOENIX CONTRACT future-oriented innovations, we are paving the road to the networked world for our clients. Intelligent components of PHOENIX CONTRACT are the basis for future-oriented concepts: Intelligent buildings and Intelligent automation.

Our expertise and range of services design our products and control systems with integrated production concepts of PHOENIX CONTRACT.



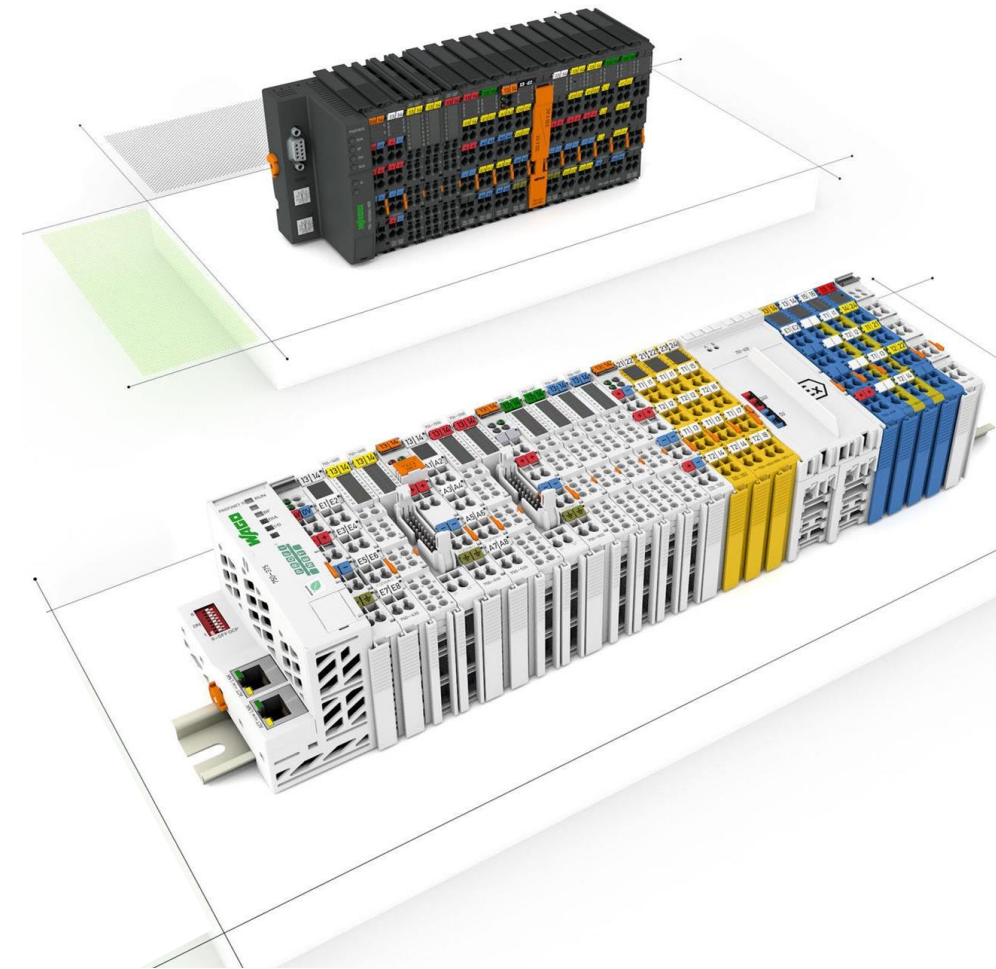
EXPLOSION PROTECTION WITH WAGO PRODUCTS

Applying Explosion Protection in Automation Technology

We use WAGO explosion protection product line to create safe and reliable control systems for “Ex” areas.

Benefits:

- ◆ Approved for use in Zone 2/22 for integration of intrinsically safe signals from the field up to Zone 0/20
- ◆ Comprehensive certification including ATEX, IECEx, NSI/ISA, INMETRO, etc. ensures use worldwide.
- ◆ Intrinsically safe inputs with functional safety
- ◆ Rated up to SIL 3, Cat. 4/PL e PROFIsafe





The best experts of the leading Ukrainian Research Institutes are at your service.

We are looking for participating in the challenging projects to show ourselves as a professional and reliable partner.



We provide the following services:

- PLC, HMI, SCADA software development
- EPLAN Electric P8 engineering
- Manufacturing and installation of equipment (control cabinets, server cabinets, etc.)
- Commissioning of equipment according to the customer's project.

OUR PARTNERS

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ASA (Automation Spirit Alliance) is an international union of the high-tech industrial enterprises that are actively developing their business all over the world.



Develop your business with the **team of experts** of the various high-tech industrial fields.



CERTIFICATES



СЕРТИФІКАТ ВІДПОВІДНОСТІ
CERTIFICATE OF CONFORMITY

Зареєстровано в реєстрі органу з оцінки відповідності
ТОВ «ІНПІ МІЖНАРОДНІ СТАНДАРТИ І СИСТЕМИ» за №
UA.PN.860.0661-20

Термін дії з 05.08.2020 р. до 04.08.2021 р.

Сертифікат видано ТОВ «АСА-НЖИНИНГ», 61072, м. Харків, вул. О. Яроша, 26, код ЄДРПОУ 39467206

Продукція: Шафи управління виробництва ТОВ «АСА-НЖИНИНГ» моделі: шафа управління двигунами - код ASA-421454-***, шафа управління контролера - код ASA-421455-***, шафа управління операторська - код ASA-421457-***, шафа управління телекомунікаційна - код ASA-421664-*** (де *** - цифри, що означають відмінність за потужністю, конструктивним виконанням та геометричними характеристиками та не впливають на показники безпеки)

Відповідає вимогам ДСТУ EN 60947-1:2017 м. 5.2, 5.3; 7.1.5; 7.1.6; 7.1.9; 7.1.10; 8.2.5.2.1; 8.4.1.1; 8.4.1.2.1; 8.4.2; ДСТУ EN 55022:2017 м. 5.1 табл. 2; ДСТУ EN 55024:2017 табл. 10; ДСТУ EN 61000-6-2:2015 м. 1.5 табл. 1 (р.8); ДСТУ EN 61000-6-4:2016 м. 1.2 табл.1 (р.4)

Виробник продукції ТОВ «АСА-НЖИНИНГ», 61072, м. Харків, вул. О. Яроша, 26, код ЄДРПОУ 39467206

Додаткова інформація: Продукція, що виготовляється серією з 05.08.2020 р. до 04.08.2021 р., з урахуванням гарантійного терміну зберігання, технічний нагляд один раз на рік. Добровільна сертифікація

Сертифікат видано органом з оцінки відповідності ТОВ «ІНПІ МІЖНАРОДНІ СТАНДАРТИ І СИСТЕМИ», 61088, м. Харків, вул. Ковалевська, 99А, стін. 809, код ЄДРПОУ 34953219, тел. (057) 763-48-47, код ЄДРПОУ 34953219

На підставі Протоколу сертифікаційних випробувань № 2020.02.08.05.37 від 05.08.2020 р., виданого ВЛ ТОВ «АКАДЕМТЕСТ», 61023, м. Харків, вул. Веснина, 5, код ЄДРПОУ 37188889.

Керівник органу з сертифікації: А.М. Сергєєвчук

ДЕКЛАРАЦІЯ про відповідність

1. Шафи управління виробництва ТОВ «АСА-НЖИНИНГ» моделі: шафа управління двигунами - код ASA-421454-***, шафа управління контролера - код ASA-421455-***, шафа управління операторська - код ASA-421664-*** (де *** - цифри, що означають відмінність за потужністю, конструктивним виконанням та геометричними характеристиками та не впливають на показники безпеки)

2. ТОВ «АСА-НЖИНИНГ», 61072, м. Харків, вул. О. Яроша, 26, код ЄДРПОУ 39467206

3. Ця декларація видана під відповідальність виробника: ТОВ «АСА-НЖИНИНГ», 61072, м. Харків, вул. О. Яроша, 26, код ЄДРПОУ 39467206

4. Об'єкт декларації: Шафи управління виробництва ТОВ «АСА-НЖИНИНГ» моделі: шафа управління двигунами - код ASA-421454-***, шафа управління контролера - код ASA-421455-***, шафа управління операторська - код ASA-421457-***, шафа управління телекомунікаційна - код ASA-421664-*** (де *** - цифри, що означають відмінність за потужністю, конструктивним виконанням та геометричними характеристиками та не впливають на показники безпеки); код УКТЗЕД 8537 10

5. Об'єкт декларції відповідає вимогам вітчизняних технічних регламентів: Технічний регламент з електромагнітної сумісності обладнання, затверджений постановою Кабінету Міністрів України від 16 грудня 2015 № 1077.

6. ДСТУ EN 55022:2017 (EN 55022:2010; EN 55022:2010/AC:2011, IDT) Обладнання інформаційних технологій. Характеристики радіозбурень. Норми та методи вимірювання. ДСТУ EN 55024:2017 (EN 55024:2010; EN 55024:2010/AC:2015, IDT) Обладнання інформаційних технологій. Характеристики несприятливості завад. Норми та методи вимірювання. ДСТУ EN 61000-6-2:2015 (EN 61000-6-2:2005, IDT) Електромагнітна сумісність. Частина 6-2. Родові стандарти. Несприятливість обладнання в промисловому середовищі. ДСТУ EN 61000-6-4:2016 (EN 61000-6-4:2007; EN 61000-6-4:2007/A1:2011, IDT) Електромагнітна сумісність. Частина 6-4. Родові стандарти. Імісія завад у виробничих зонах

7. Додаткова інформація: Протокол випробувань № 2020.02.08.05.37 від 05.08.2020 р., виконаний ВЛ ТОВ «АКАДЕМТЕСТ», 61023, м. Харків, вул. Веснина, 5, код ЄДРПОУ 37188889

Підписуючий від імені: ТОВ «АСА-НЖИНИНГ», 61072, м. Харків, вул. О. Яроша, 26

Директор ТОВ «АСА-НЖИНИНГ» М.І. Анциферов

Повноваження: код ЄДРПОУ 39467206

М.П. 05.08.2020 р.

CERTIFYING AUTHORITY
INTERNATIONAL STANDARDS AND SYSTEMS
INTERNATIONAL STANDARDS AND SYSTEMS NPP LLC

CERTIFICATE
for quality management system

Registered in the Register of Certifying Authority on 27 August 2018
Entry No. 80108.CYL.050-18
Date of expiry 16 August 2021

This certificate is to certify that Quality Management System concerning Information Technologies and Computer Systems Services. Line of business No. 33 – IT services; DKPP code 62.09;

Provider: Limited Liability Company «AUTOMATION SPIRIT ALLIANCE», 26 Otakara Yarosha Str., the city of Kharkiv, 61072, EDRPOU code 39467206

complies with requirements of DSTU ISO 9001:2015 (ISO 9001:2015, IDT) "Quality Management Systems. Requirements" pursuant to all the current Ukrainian regulatory documents

Any certified quality management system is regularly monitored for its compliance with requirements of the above standard through technical inspections and their periodicity and procedure schedule are set forth in the programme and report.

Certificate is issued by Certifying Authority International Standards and Systems International Standards and Systems NPP LLC, 43 Nauky prosp., off. 3-1, the city of Kharkiv, Ukraine, 61072, on the grounds of inspection results and assessment of quality management system.

Deputy Director of Certifying Authority R.V. Horlov

On the basis of the issuance of this certificate in Register of Certifying Authority, call (057) 763-08-67

CONTACTS

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THANK YOU

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