POLON-ALFA
Making fire alarm systems most reliable

POLON-ALFA

POLON-ALFA

» One of the few independent manufacturers of full-range Fire Detection Systems in Europe, as well as one of the biggest producer in the CEE region.

» Twelve regional offices in Poland.

Two foreign subsidiaries based in Bucharest (Romania) and Budapest (Hungary).

Export to over 30 countries.

» Close cooperation with all stakeholders involved in the project at every stage.

Support in concept development, design process, technical assistance and trainings.

No1 brand in Poland

with significant market share in domestic market and increasing position internationally.

Complete solution

POLON-ALFA has wide range of complete FDS designed to protect people and property from the threat of fire.

FOR EVERY BUILDING

EN54 certificates

all designed and manufactured products successfully pass the certification process for compliance with European standards.

Production in Poland

manufacturing is conducted solely in Poland, in the production plant in Bydgoszcz, which specialises in electronic manufacturing of FDS for more than 60 years.
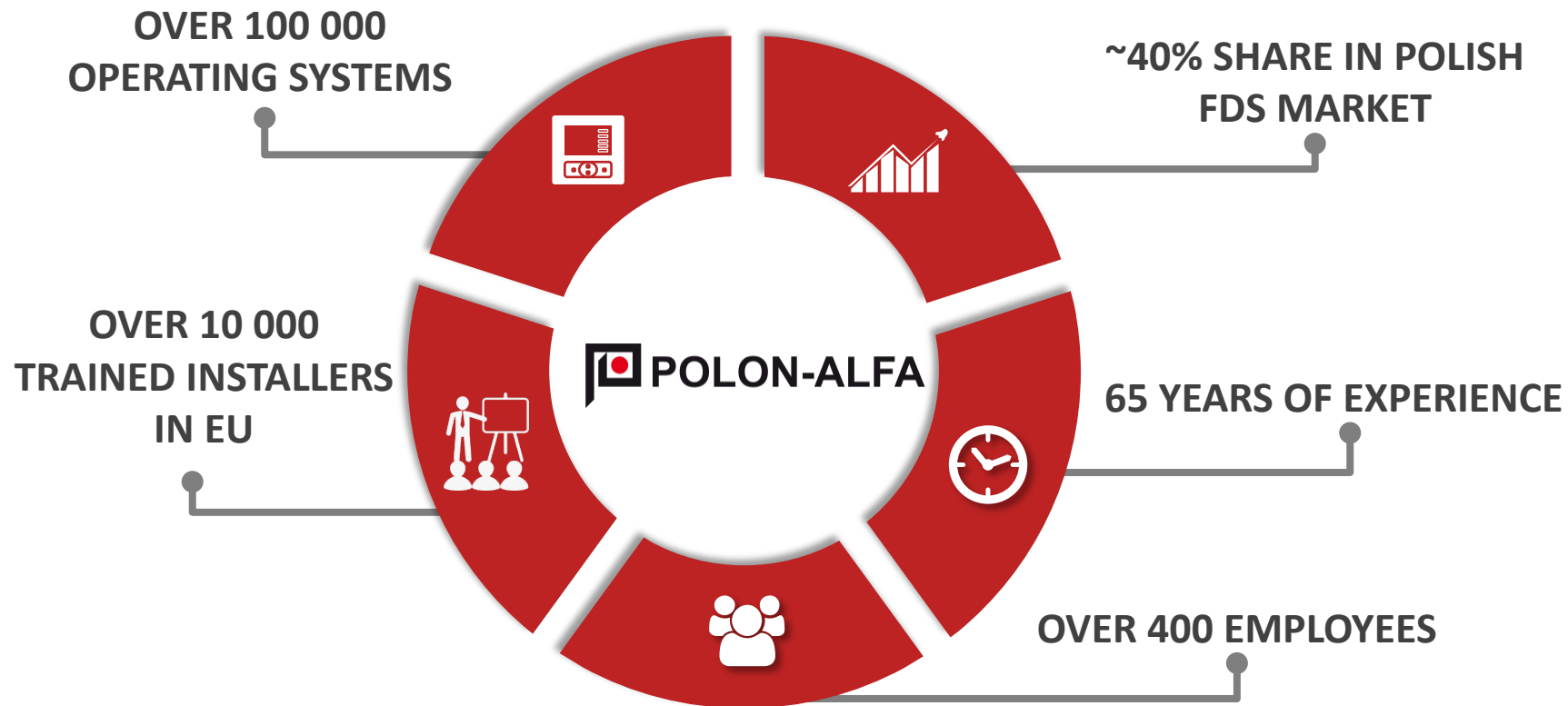
COMPLETE SOLUTIONS

Own R&D

Systems offered by POLON- ALFA are 100% in-house designed, on both software and hardware side.

QUALITY

OVER 100 000 OPERATING SYSTEMS

~40% SHARE IN POLISH FDS MARKET

OVER 10 000 TRAINED INSTALLERS IN EU

POLON-ALFA

65 YEARS OF EXPERIENCE

OVER 400 EMPLOYEES

1957

Incorporation

1963

The first in Europe and third in the World electronic-ionizing smoke detector

1971

The first complete fire alarm system

1995

Implementation of ISO 9001

2015

POLON 6000

2018

GAS Detection System

2023

POLON 3000

Fire Control Panels

For large applications	For small and medium applications		For small applications
POLON 6000	POLON 3000	POLON 4100	IGNIS 2040

Supplementary Systems

Smoke ventillation control panel	Automatic extinguishing control panel	Aspiration detector
UCS 6000	IGNIS 2500	VENTUM

POLON-ALFA

Fire Detectors

Smoke detectors	Heat detectors	Multi-sensor detectors		Flame detectors	Beam detector

DUO-6046(AD)
Dual smoke detector (optional sounder)

DUR-4047
Universal wireless smoke detector

DUR-40Ex
Optical smoke detector - intrinsically safe

TUN-6046
Universal heat detector

TUN-38Ex
Universal heat detector - intrinsically safe

DOT-6046
Multi-sensor smoke and heat

DPR-4046
Multi-sensor smoke and flame

DOT-6046AD
Multi-sensor smoke and heat with sounder

DOT-40
Conventional multi-sensor smoke and heat

PPW-40REx
Multi-band flame detector - flameproof

PUO-40Ex
Flame detector (UV) - intrinsically safe

PUO-40
Flame detector (UV)
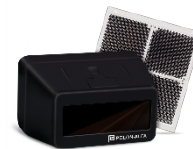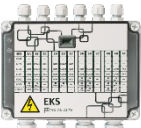
DOP-6001R
Beam smoke detector

Self-contained detector

ADR-20N
Self-contained home optical smoke

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Other Elements

Manual call points	Sounders	Input/output loop device	Panel Modules	Converters	Accessories
ROP-4001MH Addressable fire manual call points - hermetic	**SAB-6000/6100** Addressable/Conventional acoustic sounder beacon	**EKS-6022** Addressable, input/output elements	**MLD-61** Two loops module with converter	**CM-182-2** Converter with PCM-4000 on BACnet MS/TP	**ACR-4001** Radio detector adapter
ROP-4007 Addressable fire manual call points	**SAW-6001/6006** Addressable acoustic sounder (optional voice)	**EWK-4001** Addressable multi-input supervising device	**MPW-61** High voltage relay's module		**G-40** Base
PO-63 Manual call point for smoke ventilation	**SAL-4001** Addressable signalling device	**EWS-4001** Addressable multi-output control device	**MWS-60** Sounders' module	**CM-180-29** Converter with PCM-4000 on ModBus RTU	**OM-61** Casing

Loop software autoconfiguration

Built-in short circuit isolators to every addressable device

Addressable beam smoke detector – loop powered

Implemented Modbus TCP/IP

AVAILABLE VARIANTS

POLON 3064   Up to 64 addressable devices

POLON 3128   Up to 128 addressable devices

POLON 3256   Up to 256 addressable devices

POLON STUDIO

IS VENO

✓ **New line of loop devices**

✓ **USB port for configuration**

✓ **Optional comm module RS 485**

✓ **Ethernet/ModBUS (TCP/RTU)**

The addressable interactive POLON 6000 Fire Detection System with distributed architecture is the most advanced fire alarm system offered by POLON-ALFA.

DESIGNED FOR ANY KIND OF FACILITIES

OFFICE BUILDINGS　　**SHOPPING CENTRES**　　**RESIDENTIAL BUILDINGS**
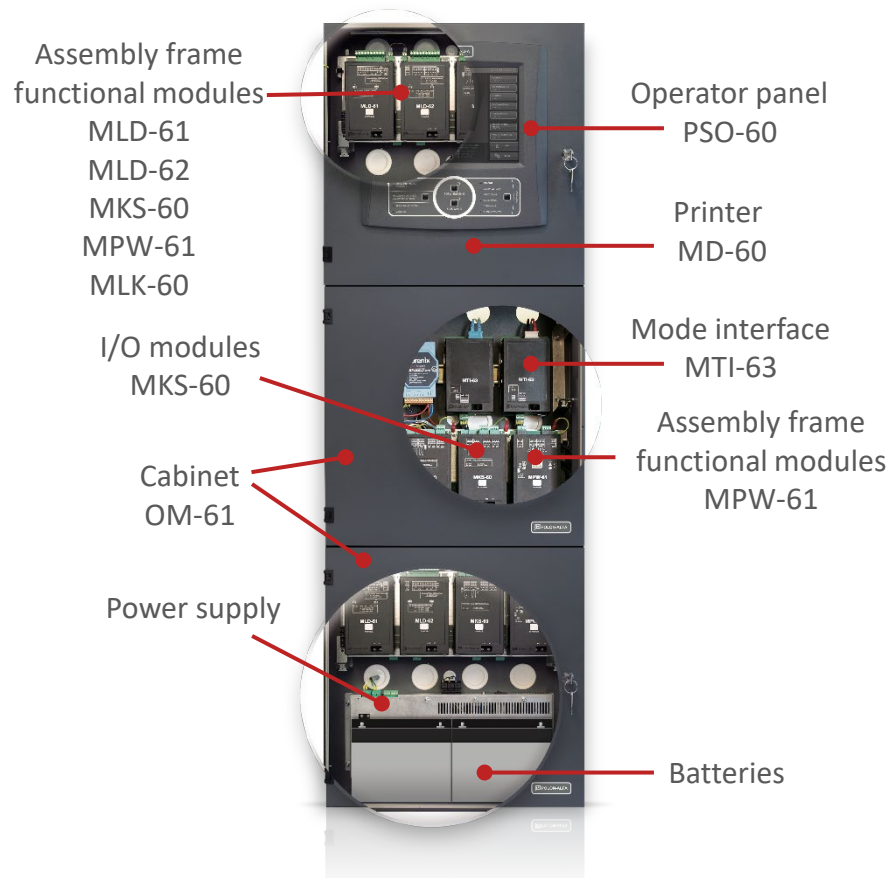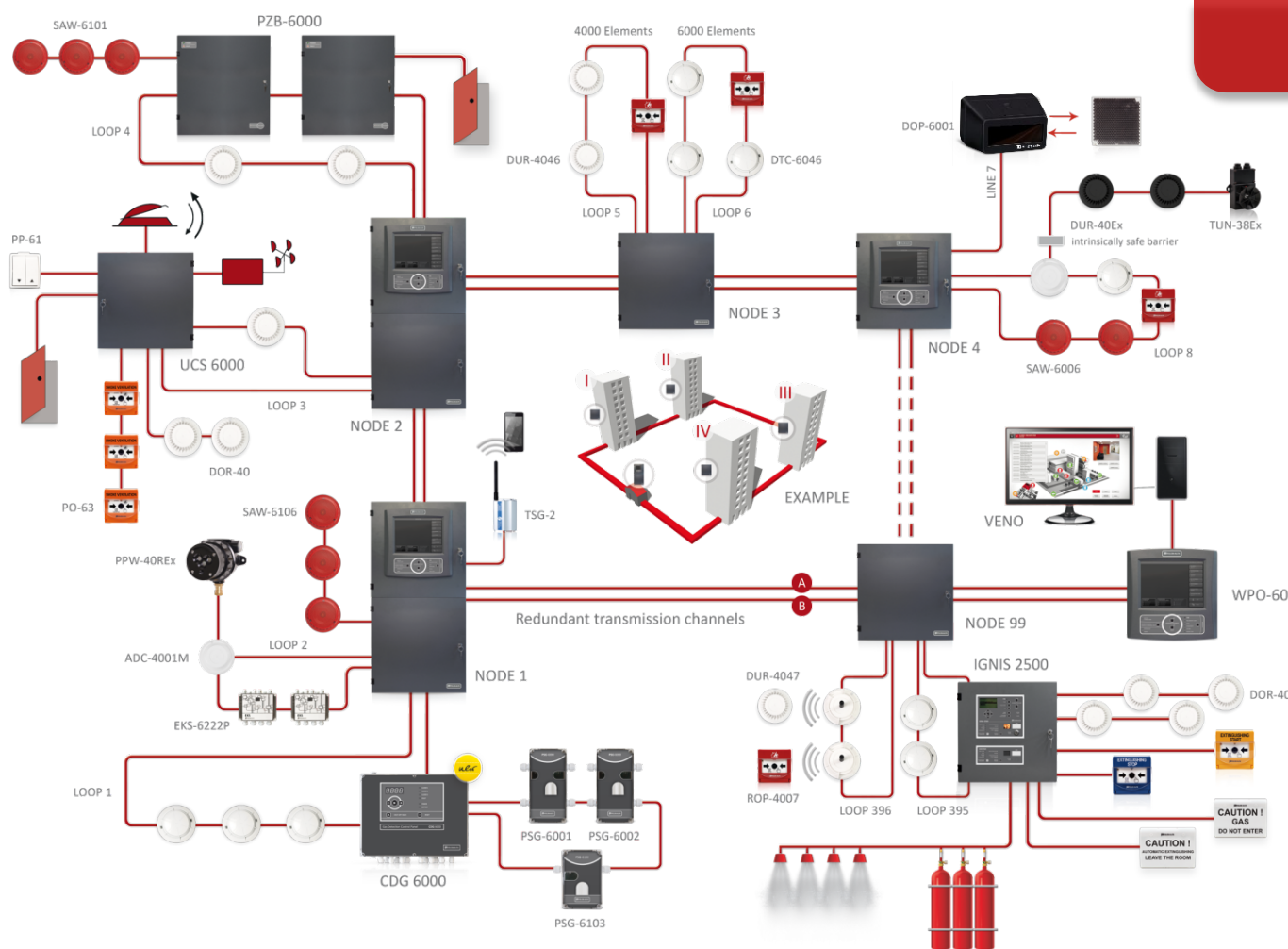

Scalable design

INDUSTRY　　**AIRPORTS**　　**TRAIN STATIONS**

Polon 6000 is based on the idea of a module device with a distributed architecture.

Consists multiple unified modules of various types, installed inside standardized cabinets. Cabinets can be arranged as separate units or combined in sets (so called nodes) and can be located in different places of site area, even if those locations are distant.

All modules within one node and nodes between themselves are connected with doubled (redundant) digital communication bus.

Assembly frame functional modules
MLD-61
MLD-62
MKS-60
MPW-61
MLK-60

Operator panel
PSO-60

Printer
MD-60

Mode interface
MTI-63

I/O modules
MKS-60

Assembly frame functional modules
MPW-61

Cabinet
OM-61

Power supply

Batteries

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POLON 6000

Maximum configuration
of distributed control panel

396
Addressable loops

1.089
All modules

99.000
Addressable elements

64.000
Outputs or inputs

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Poland

ŁÓDŹ FABRYCZNA

Lithuania
MINISTRY OF DEFENCE

Romania
PHOENICIA LUXURY

Moldova
SUMITOMO ELECTRIC

Poland
thyssenkrupp
← parking TIR
← magazyn
← biuro
THYSSENKRUPP
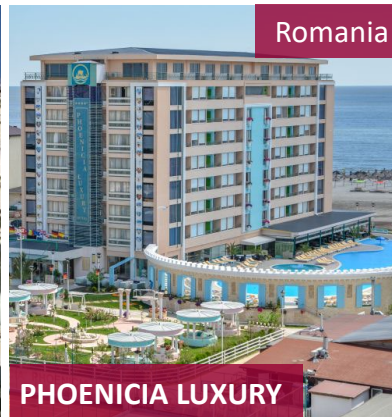
Turkey
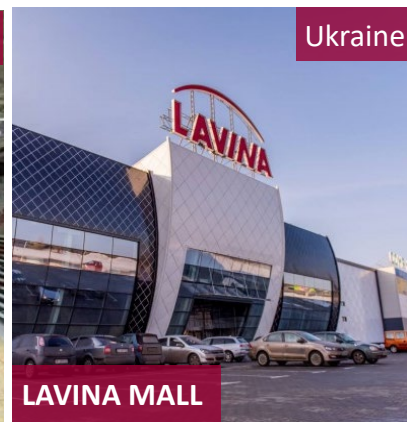ANTALYA SPORT ARENA
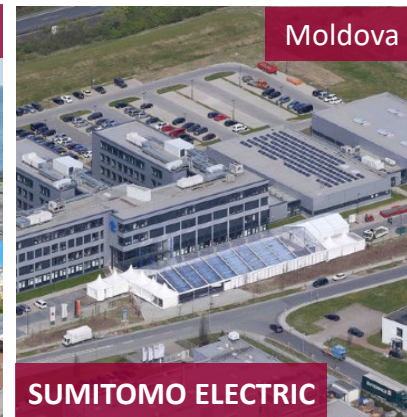
Ukraine
LAVINA MALL

OFFICE Grzybowska 43

Romania

MOLDOVA BUSINESS

Hungary

BUDA SQUARE IRODAHAZ

Poland

ORANGE OFFICE PARK

Romania

BEGA BUSINESS PARK

Hungary

UNIQA SZÉKHÁZ

Poland

NICOLAS BUSINESS CENTER

Case Study – Łódź Fabryczna railway station

ASTALDI torpol (INTERCOR) PBDiM

✓ 15.000 people involved in the project including 300 designers and 300 engineers

✓ System components: fire detection, CCTV surveillance, BMS

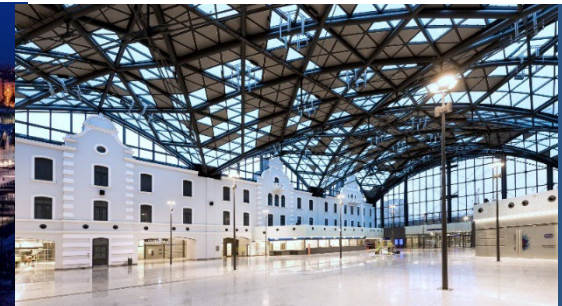| **~5.000**	**~300**	
Detectors	Cameras	**BMS**

POLON-ALFA

**SOFTWARE
FOR DESIGNERS AND
INSTALLERS**

**SOFTWARE
FOR SYSTEM
ADMINISTRATORS**

**Own software solutions supporting
the work of our system**

POLON
STUDIO

IS
VENO

Easy and user friendly software for planning and configuration of POLON 6000

» The Company developed own software for designers and installers, which supports the designing and selection of required products.

» Polon Studio supports users at every stage of the project, from planning, selection of proper devices, to the final configuration of devices.

POLON-ALFA
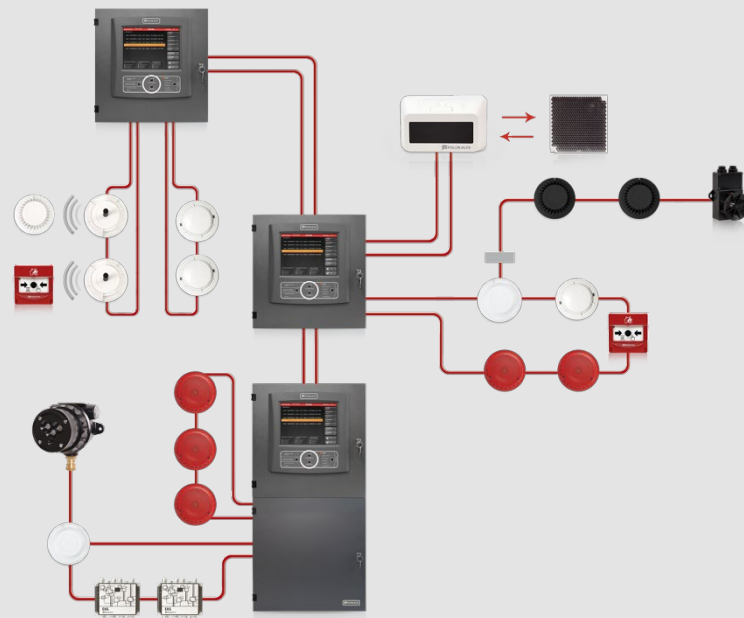
VISUALIZATION AND INTEGRATION SOFTWARE FOR SECURITY SYSTEMS
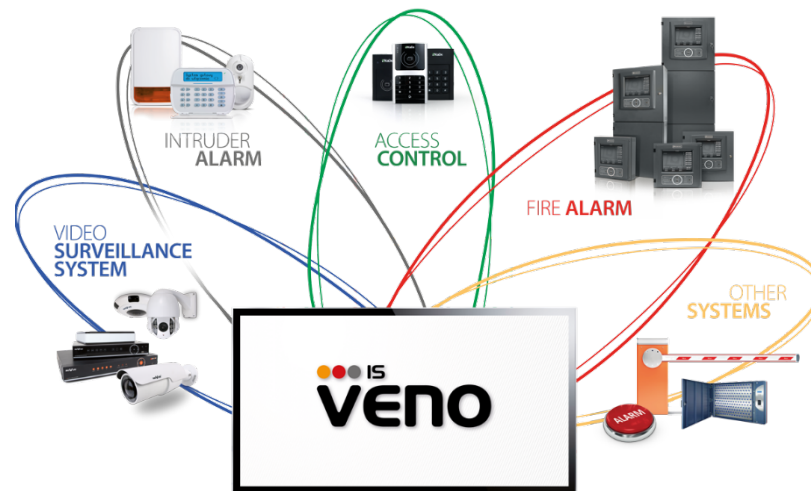
EFFECTIVE SAFETY MANAGEMENT IN A FACILITY	ONE COMMON INTERFACE FOR ALL SYSTEMS	FACILITY VISUALIZATION	ADVANCED SCENARIOS OF SYSTEM REACTIONS TO ALARM EVENTS

POLON-ALFA

One software - different systems

WE SUPPORT OUR PARTNERS GLOBALLY

Multi-language systems

» The system is available in: Polish, English, Russian, German, Hungarian and Romanian languages.

» The Company is able to provide other language version in quickly.

Technical support

» Team of English speaking engineers available for international customers.

Training for customers

» Over 100 trainings per annum, e.g. in: Romania, Hungary, Dubai, Saudi Arabia, India, Turkey, Cyprus, Croatia, Portugal, Italy, Slovakia and Poland.

International presence

» POLON-ALFA is exhibiting at the fair in Dubai, UK, Romania, Hungary, Italy, Portugal, Turkey, Greece.
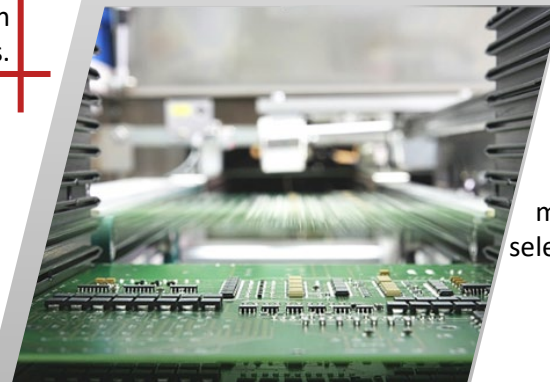
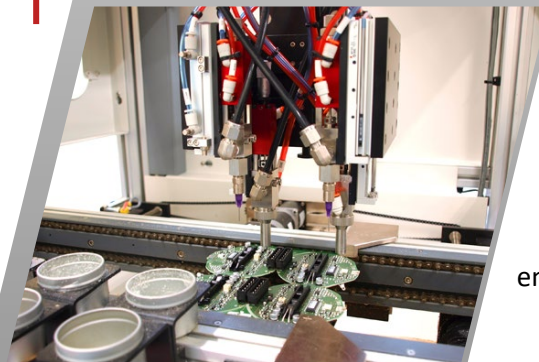Electronic printed boards are assembled on a high effective automatons.

The automatic process of laying of soldering paste using up-to-date automaton.

Ready made electronic printed boards are checked on specialized optical and dynamic testers.

Lead-free soldering is made with ERSA selective soldering system.

Automatic selective coating to increase detectors resistance to high humidity and other environmental influences.

POLON-ALFA

» **100% products designed by own engineers**

» **Experienced team of almost 50 hardware and software engineers dedicated to R&D**

» **Every year POLON-ALFA release several new products**

» **Modern laboratory provides a wide range of possibilities for testing new devices**

POLON-ALFA

» Modern production facility with an area of over 8.000 sq. m. equipped with innovative machinery park

» Provides an infrastructure for approx. 4-fold increase in production capacity

POLON-ALFA

Thank you!