# Lithuanian defence industry. A growing innovation ecosystem

# **Core Competences**



**Photonics** solutions





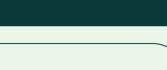
# An open platform for co-creation



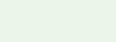
### NATO and EU countries Ukraine

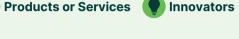
**EXPORT MARKETS** 

- Israel
- Georgia
- UAE
- Lithuanian exporters



# Lithuanian defence industry community (SPACE) UAV





**Discover** leading

# KONGSBERG

NANOAVIONICS Nanosatellites and satellite communications **BLACKSWAN SPACE** 

Development of satellite

autonomy platform and 3D space mission simulator

- **ASTROLIGHT** Optical communication solutions for LEO satellites and large naval vessels

FPV drone systems, UGV's GRANTA AUTONOMY Production of UAS, integrations

Remote initiation systems,

rescue, and loitering munitions UNMANNED DEFENSE **SYSTEMS** DETECT, ENGAGE, COMMAND – an

automated cycle powered by unified

and components for ISTAR, search &

software for ISR and short/longrange loitering munition UAV swarms BALTIC VIPER

FPV drones

- LTMILTECH Advanced loitering munitions, UAS, counter-UAV solutions, and radar

## 🗭 THRUST

IT LOGIKA

**MONOPULSE** 

UAV systems for surveillance and reconnaissance applications

Autonomous UAV stations for

remote perimeter protection

reconnaissance applications **AIRVOLVE** Development of tactical airlift

Small UAV system for

**AGRODRONAS** Development of dual-purpose high-capacity UAVs

& casualty evacuation

**UNMANNED DYNAMICS** Development of hybrid UAVs

# (EOD EQUIPMENT MITEKAS

# **OSTARA**

Tactical vehicles, Military-Grade Trailers and FLATRACKS

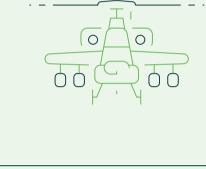
**GROUND VEHICLES** 

Development of hybrid buggies and hybrid electric power system

🗘 KMT

- **NAURIDA ENGINEERING** COMPANY Development, design, and production of armored vehicles
- DETECTION, LOCATION, ACQUISITION AND DECEPTION BROLIS SEMICONDUCTORS

Laser pointers and illuminators,



#### and impact, movement, magnetic and radar proximity detection detonation initiation devices for

Radio detonation initiation devices

## UAV and ground applications

**BROSWARM** Mine detection using sensory arrays, sensor fusion

#### Thermal imaging devices, Development of an advanced thermal, night vision and SWIR optoelectronic systems, video anti-drone systems designed for surveillance systems effective FPV drone neutralization systems

🐯 VILRIDA

- NT SERVICE Counter-drone and radio-blocking systems
- AKTYVUS PHOTONICS Laser target designator for intelligent ammunition control
- 🗭 TIGBIS Decoding, distant information

R&D

AMMUNITION

collection, drone detection solutions

Perimeter surveillance systems comprising radars, imaging and Al

🗭 BEESENSE EU

- 🗱 EUROELEKTRONIKA Surveillance and security system integration, installation and maintenance
  - **POLIMASTER EUROPE** Radiation detection and
  - measurement devices, personal dosimeters
- **GAMYKLA** NATO ball cartridges

**KAUNAS UNIVERSITY** 

communications equipment, weapons systems, unmanned

platforms, cyber security, and

GENERAL JONAS ŽEMAITIS MILITARY ACADEMY OF

R&D in human factors, medicine

information systems technology,

**OF TECHNOLOGY** 

R&D in monitoring and

ballistic protection

and cyber security

ICT design, development,

installation and maintenance

**LITHUANIA** 

🗭 ELSIS TS

🗭 NRD CS

software

🦚 GIRAITĖS GINKLUOTĖS

#### Development of sensors for the identification and localisation of vehicles

designator

**VAIZDUOTÉ** 

NEXDEF

**QUANTUM LIGHT** INSTRUMENTS

Development of a laser target

**VILNIUS UNIVERSITY** 

and electronics technology

**VYTAUTAS MAGNUS** 

R&D in information systems



R&D in UAV, cyber security, sensors,

#### ADVANCED TECHNOLOGY R&D in AI/ ML method development and applications, cybersecurity solutions, military UX/UI, and IC

component design

**SCIENCES AND** 

BALTIC INSTITUTE OF

**TECHNOLOGY** R&D in photonics, electromagnetic measurement, military clothing, and protection systems

CENTER FOR PHYSICAL

ICT

Al, software development and system

integration for C4I, radar systems

applications for Electronic Warfare

AIR/SEA/GROUND SUPPORT

Geospatial analytics, location

ICT design, development, installation, and maintenance 🗭 NOVIAN PRO

BALTIC AMADEUS

- 🗭 CELLULAR EXPERT Radio and Optical visibility modelling software in ArcGIS environment and IoT military
- intelligence, and mapping based on Esri's ArcGIS

🗭 HNIT-BALTIC

🗭 ASU BALTIJA

modernisation

🗭 AVIATIC MRO Aircraft repair and maintenance ARVEKA

Host nation real-life support

Helmets, bulletproof plates

🗯 GIKNIAUS KAUKAS

Military tents

🗭 KOVO ARMOR

Ballistic helmets

and shields

LIELBATA

🥨 GARLITA

uniforms

Aircraft repair, maintenance, and

- Cellular network security solutions
- AVIATIC GS

aircraft covers

🗭 AUTOKURTAS

🗭 OMNITEKSAS

🗭 SAFARILAND

LITHUANIA

Bulletproof vests

armoured vehicles

**SCANIA LIETUVA** 

Heavy transport solutions

Military uniforms, tactical

and specialised clothing

🗭 TAKTINIAI SPRENDIMAI

Pouches, holsters, and tactical

- Cybersecurity hardware and
- PIXPRO Photogrammetric image reconstruction solutions
- 🗭 FAST TRAFFIC Services for OSINT, VSINT, and

secure communications

**PRIMECOM** 

fasttraffic.It

UAV repair and maintenance

🗭 AVIATEMA EQUIPMENT

Support and maintenance of

Aircraft maintenance shelters and

🗭 B.G.M Cyber security hardware and software

UNIVERSITY

technology and Al

🤛 EIT SPRENDIMAI

installation and maintenance

### ICT design, development, installation, and maintenance

REPSENSE

New generation Al-based automated analysis platform for monitoring the information space

🤛 SANTA MONICA

**NETWORKS** 

IT and cybersecurity solutions

🤹 VAKARŲ LAIVŲ GAMYKLA

Design, construction, repair, and

conversion of military ships

🗭 LITHUANIA DEFENSE

**SERVICES** 

vehicles

🗭 EWOM

🗭 TUMA



### Military uniforms, tactical and specialised clothing

🗭 UTENOS TRIKOTAŽAS

specialised clothing

THE MEAT MAKERS

Military uniforms, tactical and

Long-lasting high-protein meat

Design and manufacture of

- 🗭 AUDIMAS SUPPLY Military uniforms, tactical and specialised clothing
- COMPONENTS

Laser optics and crystals

Custom laser optics, optical

components, laser accessories,

Precision optical components, optical systems, crystals,

**INTEGRATED OPTICS** 

Durable laser optics for extreme

Laser optics, coating services

**3PHOTON** 

**ALTECHNA** 

techna.com

optomechanics

Compact lasers

**OPTOMAN** 

**OPTONAS** 

power applications

**WORKSHOP OF** 

Ultrashort pulse laser

**BEAGLE OPTICS** Precision engraving of

transparent materials

Laser workstations, laser

micromachining technologies,

**PHOTONICS** 

special optics

**EKSPLA** 

**INOREGA** 

systems

**EKSMA OPTICS** 

OEM

Specialised clothing,

- clothing systems 🗭 SUPER GARDEN Freeze-dried food for military rations MATUZA TACTICAL

PERSONAL EQUIPMENT AND MILITARY RATIONS

KITRON Electronic equipment and

Electronics manufacturing

Mechatronics components

Optomechanical components

Mechanical high-precision

components

**ESEMDA** 

**PRECIZIKA** 

SARGASAS

**STEVILA** 

components

**KARBONAS** 

**GAMYKLA** 

for vehicles

**METACO** 

**MARTEMA** 

solutions

Metalworking services

Metalworking services

**ENTECH GROUP** 

Design and manufacturing of

Steel and alloys CNC machining, heat

treatment, coating and protection

custom-made plastic parts

RADVILIŠKIO MAŠINŲ

Metal constructions and parts

**METROLOGY** 

services

tactical gear

snacks

- **HENNORDIC** Metalworking services
- **ARGINTA ENGINEERING** Engineering and metalworking

Plastic injection moulding and metal

Plastic component manufacturing

**ARTILUX NMF** 

sheet processing

### **VAIVORA ENGINEERING** Metal machining (CNC milling and turning services)

**KB COMPONENTS** 

**METALISTAS LT** Sheet metal machining, welding,

# **PROTOZAURAS**

powder coating

**LEMARA** 

Precise CNC machining service **EKSTREMALE** 

CNC turning and milling services

### **LUNA ROBOTICS** Night Vision for FPV Drones

CNC parts manufacturing &

- **ELARION** UAV avionics, secure data transfer

## solutions and integrated UAV systems and services

TDI-LT Components for FPV drones

Industry Development Manager

Innovation Agency

LITHUANIA



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- Innovative polymers 00000
  - - MINISTRY OF NATIONAL DEFENCE REPUBLIC OF LITHUANIA

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