PRODUCT PORTFOLIO 2026

BOUKELON ARMA

Defense experts

AI-enabled sensing • mobility • unified command & control • autonomous vehicles • multispectral defence

NOMAD

UNIFIED ORCHESTRATION

Connected platforms. Unified control.

EUROPEAN TECHNOLOGY
REAL-WORLD SOLUTIONS
A SAFER TOMORROW



Developed and manufactured in Europe
With European components

NOMAD

MODULAR TRACKED PLATFORM



TECHNICAL SPECIFICATIONS

Power supply	48 V
Speed	Up to 8 km/h
Battery runtime	Up to 8 h
Ground clearance	196 mm
Radio range	Up to 20 km[*]
Controller	SKYOROID H16

[*] Under suitable conditions with clear line of aight.

Modularity • Mobility • Connectivity

AUTONOMOUS MOBILITY & FLEET COORDINATION

01 NOMAD Navigator
Autonomous navigation



Assess terrain traversability
Navigate autonomously to a defined destination

02 NOMAD Team
Multi-platform coordination



Distribute tasks and 1064 nm morse code communication
Coodrinate movement and shared missions

SHARED HAROWARE

Navigation cameras • LiDAR • Positioning
Onboard computer • Communications

SHARED PURPOSE

Control movement and coordinate joint operations.
A technology foundation for every NOMAD configuration.

AIR & GROUND OBSERVATION AND MAPPING

03 NOMAD Drone Hub
Mobile drone base



Autonomous return and charging

04 NOMAD Observer
Multispectral observation



Monitor and track ground/sky

05 NOMAD Airspace Alert
Airborne object detection



Early warning and neutralize

06 NOMAD Mapper
Spatial mapping



Generate 3D map

SHARED HARDWARE

RGB & thermal cameras • Spectral sensors
Pan-tilt heads • LIDAR • Onboard processing
Drone Hub adds drones and docking stations

SHARED PURPOSE

Understand what is present, where it is and how it changes.
Observer and Airspace Alert can share sensors with different software functions.

CARGO TRANSPORT & MOBILE FIELD SUPPORT

07 NOMAD Mule
Cargo transport



Carry cargo and supplies
Follow a person or vehicle

08 NOMAD Field Support
Mobile technical support



Provide power and charging
Enable temporary connectivity

SHARED HARDWARE

Cargo deck • Modular containers • Tie-downs
Load sensors • Additional batteries

SHARED PURPOSE

Move and deliver resources.
A shared cargo structure, with Field Support adding electrical and communications modules.

TECHNICAL INSPECTION & ENVIRONMENTAL MONITORING

09 NOMAD Inspector
Infrastructure inspection



Inspect facilities and equipment
Detect technical anomalies

10 NOMAD HazMat
Chemical & radiation monitoring



Measure chemical and radiation hazards
Adapt hardware to site-specific risks

11 NOMAD Environmental
Air, water & soil monitoring



Collect environmental measurements
Track changes in air, water and soil

SHARED HARDWARE

Measurement sensors • Thermal & acoustic devices
Sampling modules • Sample containers

SHARED PURPOSE

Visit measurement points, collect data and compare past readings.
Shared software: calibration, records, alert thresholds and sample traceability.

ROBOTIC MANIPULATION & SPECIALIST REMOTE OPERATIONS

12 NOMAD Manipulator
Technical manipulation



Work with tools and objects
Perform precise physical tasks

13 NOMAD EOD
Specialist-controlled remote work



Inspect remotely and support mine clearance
Operate under specialist supervision

SHARED HARDWARE

Robotic arm • Interchangeable tools • Close-up cameras
Force sensors • Stabilizers

SHARED PURPOSE

Precise physical interaction using shared actuation hardware.
EOD adds specialist tools, procedures and safety requirements.

RESCUE, EVACUATION & FIREFIGHTING

14 NOMAD Rescue
Search and rescue



Locate pecple and provide initial aid
Enable two-way communication

15 NOMAD Medical Carrier
Casualty evacuation support



Assist casualty evacuation
Use a towed stretcher module

16 NOMAD Fire Response
Firefighting support



Suppress fires
Support firefighting teams

SHARED HARDWARE

Thermal & overview cameres • Lighting
Rescue-team communications • Specialized rescue modules

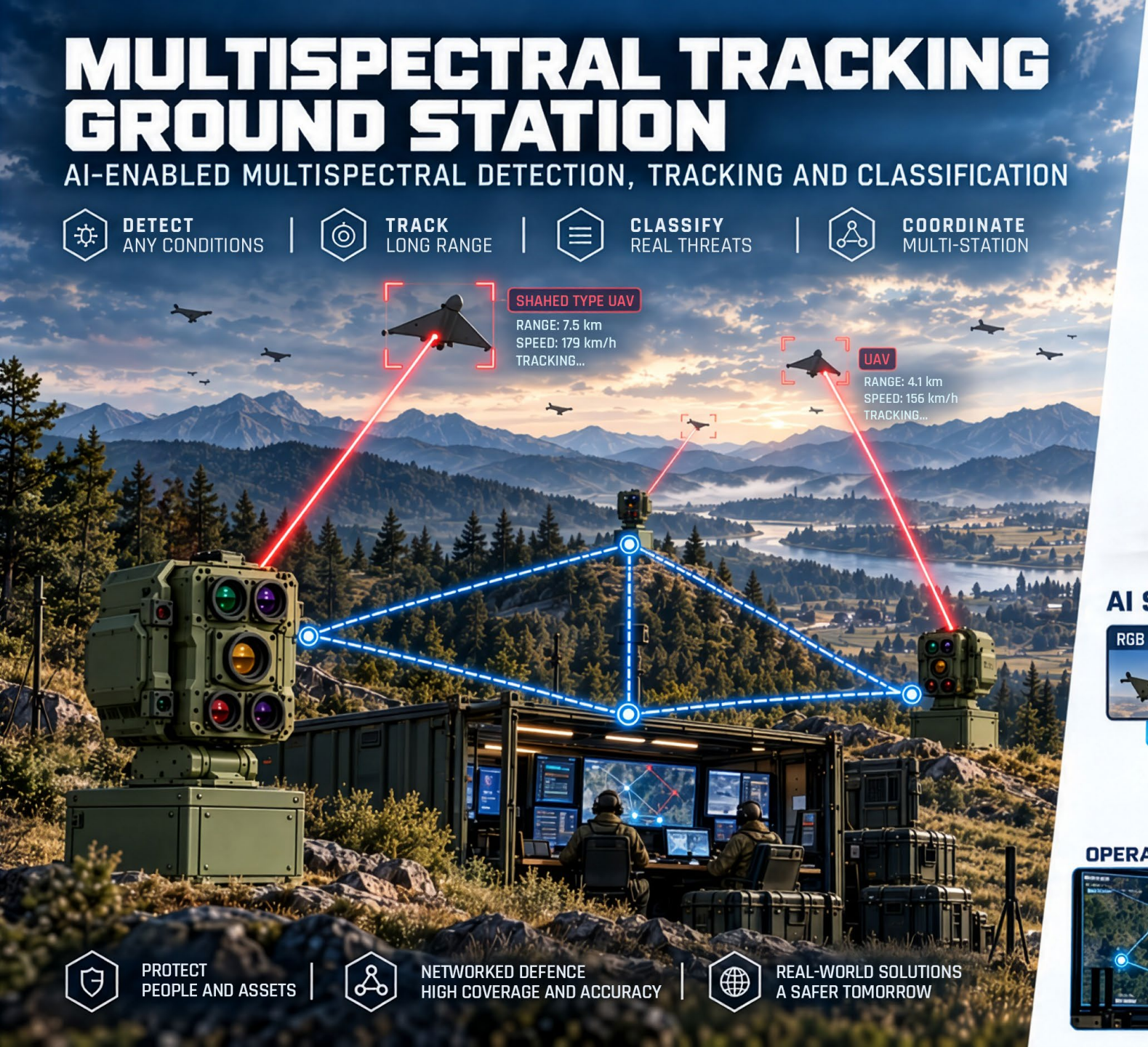
SHARED PURPOSE

Support emergency and rescue operations.
Stretcher and firefighting configurations require separate engineering and testing.

MULTISPECTRAL TRACKING GROUND STATION

AI-ENABLED MULTISPECTRAL DETECTION, TRACKING AND CLASSIFICATION

DETECT ANY CONDITIONS | **TRACK** LONG RANGE | **CLASSIFY** REAL THREATS | **COORDINATE** MULTI-STATION



PROTECT PEOPLE AND ASSETS | **NETWORKED DEFENCE** HIGH COVERAGE AND ACCURACY | **REAL-WORLD SOLUTIONS** A SAFER TOMORROW



SYSTEM CAPABILITIES

Visible, NIR, SWIR, MWIR and LWIR imaging
Full-spectrum situational awareness

AI sensor fusion for robust all-weather tracking
Best-in-class performance in challenging environments

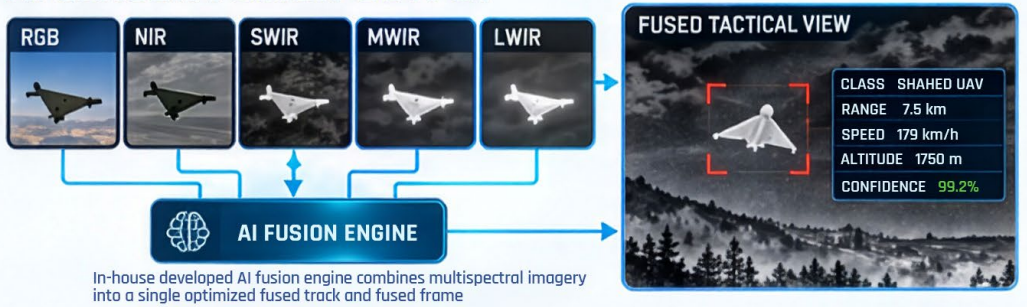
Long-range detection and target tracking
Accurate position, speed and trajectory

Locking laser and laser rangefinder
Precise target designation and distance measurement

Human-in-the-loop and autonomous modes
Adaptable to operator's decisions

Multi-station coordinated operations
High-end communication for extended coverage and data fusion

AI SENSOR FUSION OUTPUT



In-house developed AI fusion engine combines multispectral imagery into a single optimized fused track and fused frame

OPERATOR STATION



AUTONOMOUS TARGET LOCK & TRACKING

1064 nm optical guidance · jam-resistant

AI-enabled groud station and autonomous effectors





INTERCEPTOR DRONE

Vertical launch, high-speed intercept



BULLET DRONE

Agile pursuit, precision engagement

KEY CAPABILITIES

- Autonomous optical seeker for 1064 nm spot datection
- No radio-control dependency after lock
- Jam-resistant terminal guidance
- Ground-station target lock and handoff
- Human-in-the-loop launch authorization
- AI-assisted target detection and classification

AI GUIDANCE FLOW



AI SENSOR FUSION



AUTONOMOUS | VERSATILE | RESILIENT

HUMANOID ROBOT

FOR DEFENCE & SECURITY

MULTI-MISSION PLATFORM TO PROTECT, SUPPORT AND SAVE LIVES.

- REDUCES RISK FOR PEOPLE
- BUILT FOR HARSH ENVIRONMENTS
- ADVANCED PERCEPTION
- MOBILE & AGILE
- MODULAR DESIGN

IN DEVELOPMENT

FROM CONCEPT TO REAL-WORLD IMPACT

REAL-WORLD USE CASES

DEPLOY HUMANOIDS WHERE IT MATTERS



RECONNAISSANCE & SURVEILLANCE



CASUALTY EVACUATION AND SUPPORT



EOD & HAZARDOUS OPERATIONS



COMMUNICATIONS SUPPORT



LOGISTICS & SUPPLY MISSIONS



UAV/UGV SUPPORT

ALL-TERRAIN OPERATION | MODULAR PAYLOADS | AI-POWERED PERCEPTION | MISSION READY | BUILT TO PROTECT PEOPLE



TECHNOLOGY IN SERVICE OF A SAFER TOMORROW.

AUTONOMY | RESILIENCE | BEYOND LIMITS

FLIGHT CONTROLLER

EUROPEAN TECHNOLOGY FOR A SAFER TOMORROW

HIGH-PERFORMANCE CONTROL UNIT
FOR UNMANNED AIR, GROUND AND MARITIME PLATFORMS.



COMPACT
RUGGED
SECURE
SCALABLE

EUROPEAN SUPPLY CHAIN
Minimum 70% European components

OUR OWN DESIGN
Hardware, electronics and software developed in-house

MISSION-CRITICAL
Reliable, secure and field-proven architecture

FLEXIBLE INTEGRATION
For UAVs, UGVs and USVs

MULTI-DOMAIN OPERATIONS
LAND | AIR | WATER

ONE PLATFORM. MANY MISSIONS.

SUPPORTED PLATFORMS



FPV DRONE
High agility and precision



WING UAV
Long range and endurance



VTOL
Vertical take-off and long range



BULLET DRONE
High speed, deep strike



UGV
Autonomous ground operations



USV
Maritime missions and surveillance

TECHNOLOGY THAT PROTECTS LIVES.

- Precise stabilization & control
- Multi-sensor fusion (GNSS/IMU)
- Secure communication
- Edge AI capabilities
- Modular & scalable architecture
- Wide operating temperature range
- Vibration & shock resistant
- Easy integration

BUILT ON EUROPEAN VALUES

INNOVATION FOR REAL-WORLD IMPACT

PARTNERING FOR A SAFER TOMORROW

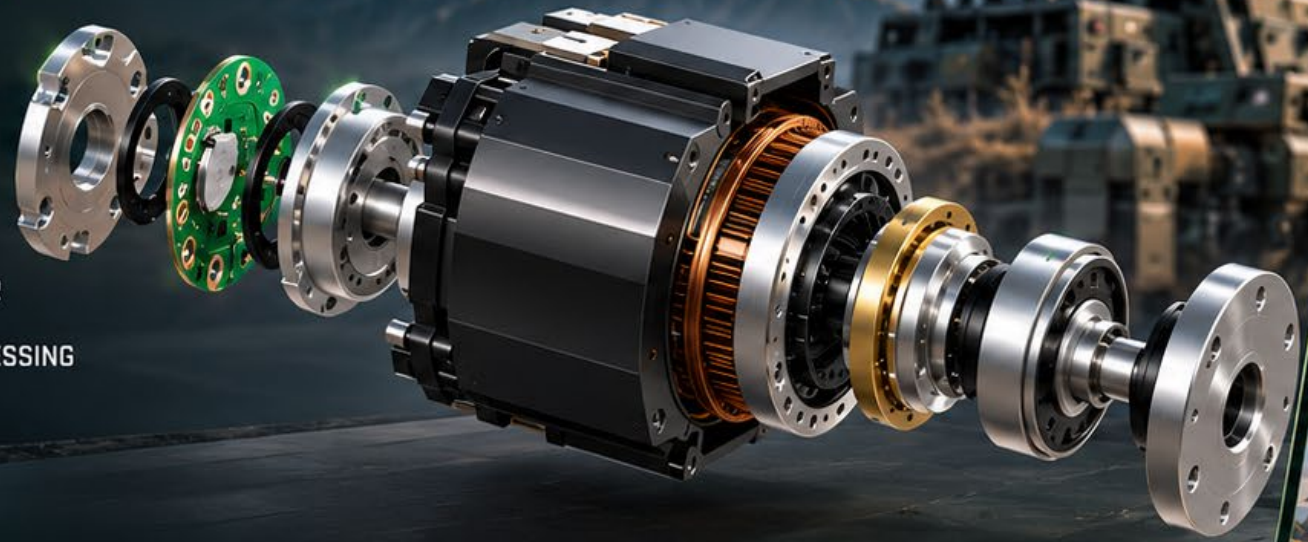
TRUSTED CONTROL IN EVERY ENVIRONMENT.



DEFENCE
SECURITY
DUAL-USE
INDUSTRY

SERVO MOTOR WITH ENCODER

HIGH PERFORMANCE MOTION SOLUTION FOR DEMANDING ENVIRONMENTS



- INTEGRATED HIGH-RESOLUTION ENCODER
- OUR OWN ENCODER PCB DESIGN AND SIGNAL PROCESSING
- HIGH TORQUE DENSITY
- RUGGED CONSTRUCTION
- CUSTOMIZABLE MECHANICAL AND ELECTRICAL INTERFACES

HIGH TORQUE UP TO **50 Nm**

HIGH SPEED UP TO **6000 rpm**

19 bit ABSOLUTE ENCODER (524 288 COUNTS/REV)

WIDE OPERATING TEMPERATURE RANGE **-40°C ... +85°C**

COMPACT & LIGHTWEIGHT DESIGN

KEY APPLICATIONS



RADAR POSITIONING SYSTEMS



EO/IR CAMERA GIMBALS



COMMUNICATION ANTENNAS



UNMANNED GROUND VEHICLES



DRONE GROUND EQUIPMENT

MOTION TECHNOLOGY FOR A SAFER TOMORROW



DEFENCE



MARITIME



AEROSPACE



INDUSTRIAL



RENEWABLE ENERGY

FLEXIBLE AUTOMATION | RELIABLE PRODUCTION | READY FOR TOMORROW

COLLABORATIVE ROBOT

PRECISION. FLEXIBILITY.
REAL IMPACT.

- **12 kg** PAYLOAD
- **1400 mm** REACH
- **HIGH REPEATABILITY**
- **SAFE COLLABORATION**
- **EASY INTEGRATION**
- **BUILT FOR INDUSTRY**

MACHINE TENDING
Load and unload artillery shell blanks in CNC machines

INDUSTRIAL USE CASES

ONE ROBOT.
MANY APPLICATIONS.



CNC MACHINE TENDING
Loading and unloading parts



PRESS TENDING
Part handling and stacking



PALLETIZING & DEPALLETIZING
Flexible for different products



ASSEMBLY OPERATIONS
Precision and repeatability



QUALITY INSPECTION
Vision-guided inspection



MATERIAL HANDLING
Move parts between machines

**AUTOMATE TODAY.
A STRONGER TOMORROW.**

HIGHER PRODUCTIVITY | LOWER OPERATIONAL COSTS | IMPROVED WORKPLACE SAFETY | FLEXIBLE DEPLOYMENT | CONSISTENT QUALITY



PRECISION
PEOPLE
A SAFER
TOMORROW.