



**GENERAL
CHERRY**

Productions of EU-origin / Non-China components for FPV & C-UAS systems

Battle-tested products • Front-line innovation • Scalable manufacturing

Who we are

General Cherry is one of Ukraine's leading defense technology producers, specializing in the design, production, and integration of advanced Unmanned Aerial Systems (UAS).

#1 – Interceptors manufacturer in Ukraine (Jan 2026)

\$245M – Revenue in 2025

500K+ – Drones delivered to frontlines

70K/mo – Current production capacity up to 100k+ soon

10,000+ – Enemy air targets neutralised

600+ – Full-time professionals in R&D & production

130 – Military units using General Cherry products

4 new production hubs opened

Zero overdue contracts throughout the entire growth period

Official contractor of the Ministry of Defence of Ukraine



OUR PRODUCTS / OUR CAPACITY / OUR INNOVATIONS

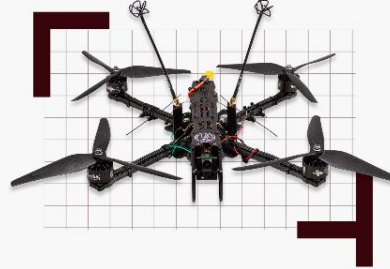
COUNTER UAV



OPTIX - EW RESISTANT



COUNTER ICR



GROUND STATIONS



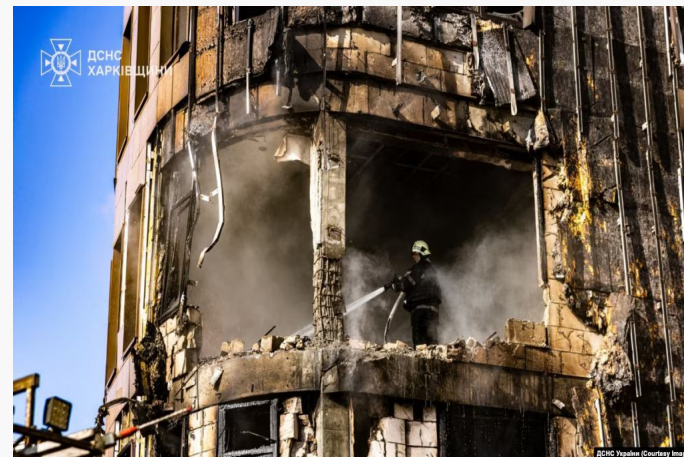
FPV STRIKE DRONES





Currently enemy drones poses a big risk for Ukraine and EU

- mass attacks on energy, logistics, and civilian infrastructure (50,000 UAVs per year, up to 1,000 drones per day). Primary impact is on civilian infrastructure, with rising civilian casualties.
- Increasing risk of drones attacks for EU and NATO
- current SAM engagement is economically unsustainable
- need for low-cost, scalable interceptor drones
- urgent requirement for EU-Ukraine localized manufacturing
- key challenge remains dependence on Chinese components (70% to 30%). Chinese components are not NATO aligned





Why Non-China Is Mission-Critical

Using non-China communication components is essential for NATO-standard, government, and allied defense procurement.

Strategic advantages

- NDAA Section 889 compliant - eligible for U.S. and allied government programs
- No China-origin chips in weapons-grade control systems
- Eliminates backdoor and hidden firmware risk
- Reduces sanctions, export-control, and supply disruption exposure
- Ensures trusted EU / US component traceability
- Improves long-term battlefield availability and sustainment
- Unlocks access to FMS, USAID, EDF, and NATO-aligned funding channels
- Supports European strategic autonomy and sovereign supply chains

Procurement impact

This directly enables participation in MoD, NATO, and EU-funded programs that exclude China-origin communication hardware



FIRST JV OPENED IN CROATIA: GENERAL CHERRY X ORQA

EU LOCAL PRODUCTION JOINT VENTURE

General Cherry's first international joint venture, established in partnership with **Orqa** in Croatia, marks a strategic step in expanding production capacity, EU market access, and joint defense technology development.





COMPANY PROFILE: ORQA

A STRATEGIC EUROPEAN PARTNER

Orqa is one of Europe's leading drone technology companies, combining vertically integrated manufacturing, NDAA-compliant production, and a rapidly expanding global manufacturing partnership network across key NATO-aligned regions.

~\$39 MILLIONS

Revenue declared in 2025



O R Q A

**\$23.1
MILLIONS**

Total money raised from 12
different investors

100,000

UAVs sold in 2024

150+

Professional engineers



Executive Summary

Non-China Component Localization for Anti-Shahed Interceptor Manufacturing

- Funding: €15M grant + €15M GC co-financing (50%) = €30M total program
- Use of funds: €10M CAPEX upgrades + €5M OPEX ramp-up
- Facility: 5,000 m² (10 x 500) secure site in Zakarpattia, Ukraine
- Security advantage: 700+ km from frontline, optimized for business continuity and workforce safety
- Production: 10 lines, scalable to 1,000-3,000 units/month
- Timeline: 12 months to serial output
- Team: 60-90 FTE
- Supply chain target: 70-80% non-China component replacement in electronics, comms, optics, and propulsion
- Cost target: low unit cost vs imported equivalent systems through localized sourcing and line optimization
- Customers: Ukrainian Military Defense Units

Outcome: cost-effective regional manufacturing hub with secure European-aligned supply chain and scalable serial production through the existing General Cherry × ORQA JV.



General Cherry

ORQA



Additional benefit of Non-China components

FPV Failure Under Electronic Warfare

- 90%+ of FPV drones still use 2.4 / 5.8 GHz
- These bands are the primary EW suppression targets
- 30-40% mission losses before target engagement
- 100,000 FPV drones/month consumed in Ukraine
- China-made alternatives create supply, sanctions, and backdoor risks

EU-Origin Component Solution

IRONghost Air Unit DS 5W (a kit consisting of the two main electronic boards used in every drone: the flight controller (Air Unit) and the communication board (JR DS).

European-made dual sub-GHz (433 / 490 / 915 MHz) control link built for EW-denied environments.

Key advantages

- Dual redundant channels
- Frequency hopping
- 5W output power
- 35 g lightweight
- 30.5×30.5 drop-in format
- EU / US trusted component base
- NDAA-compatible procurement pathway



Operator benefit: Maintains control in active EW zones where standard FPV links fail



Project Benefits & 12-Month Timeline

Strategic Benefits

- EW-resilient control in denied environments
- 30-40% reduction in mission losses
- Non-China trusted components (ST, NXP, Skyworks)
- Up to 30 000 modules/month full capacity
- Rapid deployment into existing GC frontline fleet

12-Month Timeline

Q1 - Setup

Facility prep, SMT line installation, Faraday chamber, supplier lock-in, first hiring

Q2 - Pilot

Pilot batch 200-300 units/month, RF validation, field testing, ORQA integration

Q3 - Ramp-Up

Scale to 500-800 units/month, QA automation, brigade deployments

Q4 - Full Production

Reach 1,500-3,000 units/month, framework procurement, EU/NATO export readiness

Product Economics

Retail Pricing

Module	Price
IRONghost Air Unit DS 5W (SKU 6244)	€180–220
IRONghost JR DS (SKU 6233)	€150–180
Full Kit (Air Unit + JR DS)	€320–380

Scale Economics for 1,500 Units/Month

- Monthly revenue: €480K–570K
- Monthly gross profit: €215K–310K
- Investment payback: 18–24 months
- Scaled production (3,000 units): Revenue: €960K–1.14M/month

Strategic outcome

A cost-effective, NATO-aligned, EW-resilient FPV communications layer built for mass battlefield deployment and allied procurement programs.

Unit Cost for 1,000+ units/month

Cost Item	Cost
Electronic components (BOM)	€45–60
PCB manufacturing	€8–12
SMT + assembly	€15–20
Testing + calibration	€10–15
Packaging + logistics	€5–8
Total COGS	€83–115

Margin profile

- **Gross margin: 45–55%**
- Strong economics for **defense-grade hardware scaling**

Manufacturing Project — IRONghost Sub-GHz Link Modules

Facility Footprint

- **Total area: 400–500 m² (10 facilities)**
- **SMT zone: 80–100 m²** (ISO 8 clean zone, humidity & temperature control)
- **Assembly & integration: 80 m²**
- **Testing & calibration: 60 m²** (Faraday cage mandatory)
- **Component warehouse: 60 m²** (ESD + humidity control)
- **QA / QC: 40 m²**
- **Administration + engineering: 60 m²**

Key Equipment

Equipment	Qty	Purpose
SMT line (printer + pick&place + reflow)	1 (facility designed for up to 3 SMT lines)	PCB SMD assembly
AOI	1	soldering inspection
Shielded RF chamber / Faraday cage	1–2	RF testing
Vector Network Analyzer (VNA)	2	antenna calibration
Board programmers	6–8	firmware flashing
ESD workbenches	12–16	assembly
Climate chamber	1	-40°C to +70°C testing
X-ray BGA inspector	1	hidden solder joints



Team

- 60–90 FTE
- 4 electronics engineers
- 4 SMT operators
- 10–12 assembly technicians
- 4 RF test engineers
- 3 quality controllers
- 2 logistics / warehouse
- 2–3 project managers
- Other staff

Budget

- Equipment: €0.8M–1.2M
- Facility adaptation: €0.15M–0.25M
- Working capital (3 months): €0.3M–0.5M
- Personnel (12 months): €0.4M–0.6M
- Certification & compliance: €0.05M–0.1M
- Total: €1.7M–2.65M (10 facilities)

Production Capacity

- Months 1–3: 200–300 units/month
- Months 4–6: 500–800 units/month
- Month 7+: 1,500–3,000 units/month
- Cycle time: 45–60 min per module (parallelized assembly workflow)

Phase 1:

- 1,200–1,500 units/month

Phase 2 (optional scale):

- 3,000 units/month