



Productize. Integrate. Validate. Deploy.

Domestic foundry for advanced mission systems.

Mission Systems Productization & Readiness

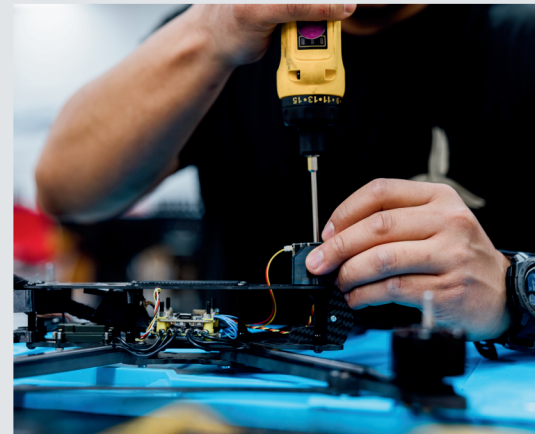
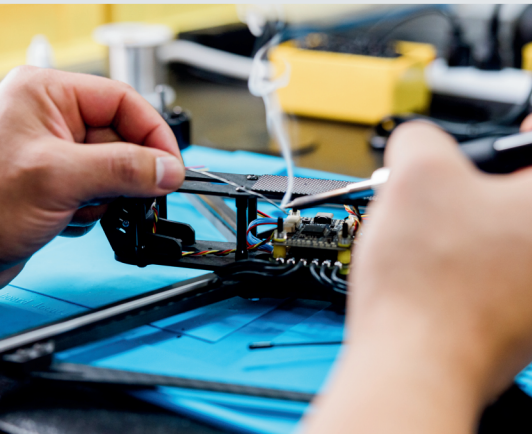
By Light's Mission Systems Foundry gives government and industry partners a controlled domestic capability to productize, integrate, validate, and deploy advanced hardware and software-enabled mission systems.

Core Capabilities

- **Product Engineering:** Refine designs into manufacturable baselines
- **Precision Production:** Build mission hardware against managed baselines
- **Electronics Integration:** Align boards, sensors, compute, payloads
- **Secure Software:** Load, sign, version, and configure releases
- **System Validation:** Test hardware, software, and mission performance

Use Cases

- **Autonomous Platforms:** Productize ground, air, and maritime systems
- **Tactical Comms:** Integrate rugged electronics and software-defined radios
- **Mission Payloads:** Integrate EO/IR, RF, AI/ML sensors
- **Training Systems:** Deliver trainers, simulation hardware, modifications



Built for Speed. Designed for Scale.

By Light closes gaps between engineering, software, and production; resulting in faster transitions, less rework, and lower program risk.

Foundry Infrastructure

By Light operates a secure, multi-site U.S.-based ecosystem with more than 200,000 square feet of production and support space for built for hardware/software integration, validation, and scalable delivery of advanced mission systems.

Seamless Execution:

- Integrated teams reduce engineering, software, and production handoffs
- Digital models and technical packages flow directly into production
- Controlled baselines reduce rework, drift, and interpretation risk
- Managed scale-up lowers cost, schedule, and mission delivery risk

Operational Advantages:

- Reconfigurable lines support multiple mission programs concurrently
- Co-located teams align engineering, software, integration, production
- Domestic supply chains support material flow and inventory control

Why Missions Systems Foundry:

- Established infrastructure reduces facility and schedule delays
- Prototype-to-fielding experience lowers production transition risk
- Integrated workflows limit rework, drift, and late-stage surprises
- NDAA-aligned supply chain supports defense acquisition requirements
- Configuration control ensures consistent delivered system baselines
- Flexible models align to maturity, contract structure, demand signal

