Shipcom AI

Real-Time Material, Equipment & Tool Tracking for the Shipyard

NATIONAL CENTER FOR MANUFACTURING SCIENCES

SHIPCOM AI

shipcom.ai

PROBLEM STATEMENT

- **Search time:** shipbuilders lose hours hunting for tools, material and equipment
- **Tool control gaps:** paper sign-outs weaken accountability and FME compliance
- **Consumable blind spots:** shortages stall jobs; overbuys drive cost
- **Equipment condition unknown:** health and calibration tracked by hand
- **Slow dispositions:** engineers dig through specs and tech data by hand

BENEFITS

- **More time building:** less searching, faster job starts
- **Tool accountability:** automatic check-out and return with a full audit trail
- **Right material, right place:** fewer stockouts
- **Equipment awareness:** condition and calibration alerts before downtime
- **Faster dispositions:** AI-built evidence packs

275K+ **MRO assets tracked**
U.S. Navy aviation depot maintenance

TECHNOLOGY SOLUTION

Hardware-agnostic AIoT, one data layer

- **Passive RFID:** tools, kits, consumables, assets
- **Portals:** hands-free check-in/out at cribs & shops
- **RTLS + GPS:** live location of equipment & WIP
- **IoT sensors:** equipment condition & health (CBM+)
- **Data fabric:** connects to existing enterprise systems
- **SAMOA AI:** evidence packs from tech data & specs

1,000s **of pages → one evidence pack**
SAMOA AI · USAF Armament Directorate

GRAPHIC

Digital chain of custody, warehouse to hull



Auto-read at every handoff: RFID · Portals · RTLS · IoT

Shipcom AI answers: **Where is it?** **Is it ready?** **What's next?**