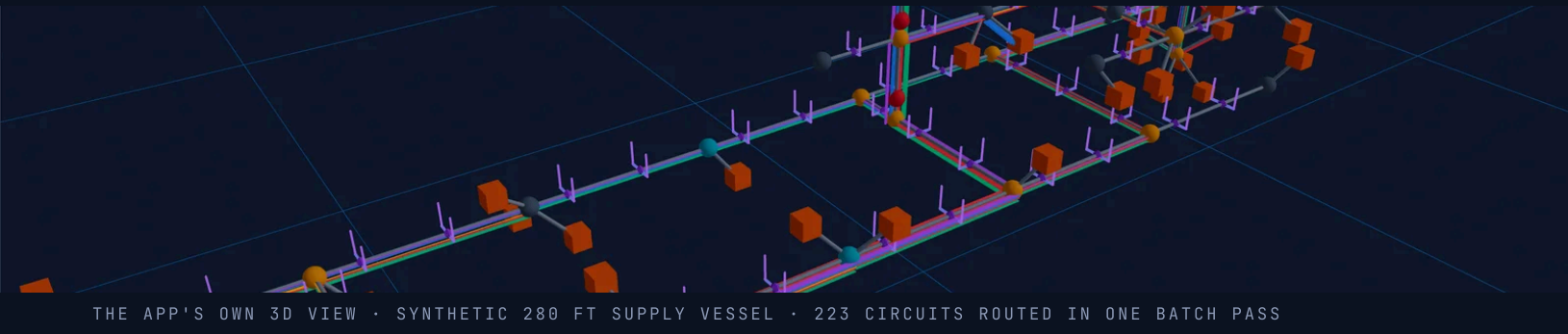


Route the whole boat. Prove it complies.

Marine cable routing, compliance and shop-floor software: the tray network, every circuit, the electrical rules and the shop floor in one database — in the browser, AutoCAD, Navisworks and Revit.

**26**COMPLIANCE CHECKS
UNDER USCG**4**

REGULATORY REGIMES

< 5 sTO ROUTE A CIRCUIT,
100K SHIP**100k**CIRCUITS PER
VESSEL, PROVEN**4**SURFACES: WEB + 3
CAD TOOLS**~20**

PRODUCTION EXPORTS

WHAT IT DOES

Auto-routing

One circuit in seconds, or the whole vessel; segregation, fill, weight and compartment rules enforced in the pathfinder.

Compliance, cited

USCG 46 CFR Subchapter J, ABS River & ICW, IEEE 45 or IEC — conductor size, emergency routing, OCPD, installed ampacity, fault withstand, penetrations, redundant feeders kept apart.

Change control

Approval locks a circuit. When the model moves, the database flags each approved circuit it hit and warns if it is already cut or pulled.

Hardware & penetrations

Hangers sized from the real bundle (FMD / RT&D or your catalog), Roxtec-style frames packed exactly, swage and nylon tubes, equipment entry prep.

Shop floor

Drum assignment, pull plans, QR pull sheets, install and test status per circuit, stop-work holds — ~20 exports from one database.

WHERE IT RUNS

Web app — the whole platform, nothing to install

AutoCAD — 49 commands — sync, routing, 3D, 2D drafting

Navisworks — routes over the review model, refit capture

Revit 2020–2027 — native cable tray and conduit with fittings

Cloud or on-prem — site gateway keeps vessel data on your servers

WHO IT'S FOR

U.S. commercial yards (USCG-inspected, ABS River & ICW), defense shipbuilders and their electrical subs, marine electrical design firms, refit and repair yards.

Pilot program — prove it on one hull before you buy a seat.

- 01** One hull: your cable schedule and tray model, loaded from spreadsheets or your CAD tool.
- 02** A batch route of the whole vessel, checked against the regime you are inspected under.
- 03** Pull sheets, drum assignments and floor tracking run on your real data.
- 04** A straight answer on fit and a per-seat price before you commit.



Scan for the 60-second tour — or start a pilot.

highvoltagetechologies.com/unreal-routing

contact@highvoltagetechologies.com • (601) 791-6004

High Voltage Technologies LLC.
Demo data shown is synthetic.
Standards named are the regimes
the checks are written against;
they are not certifications.