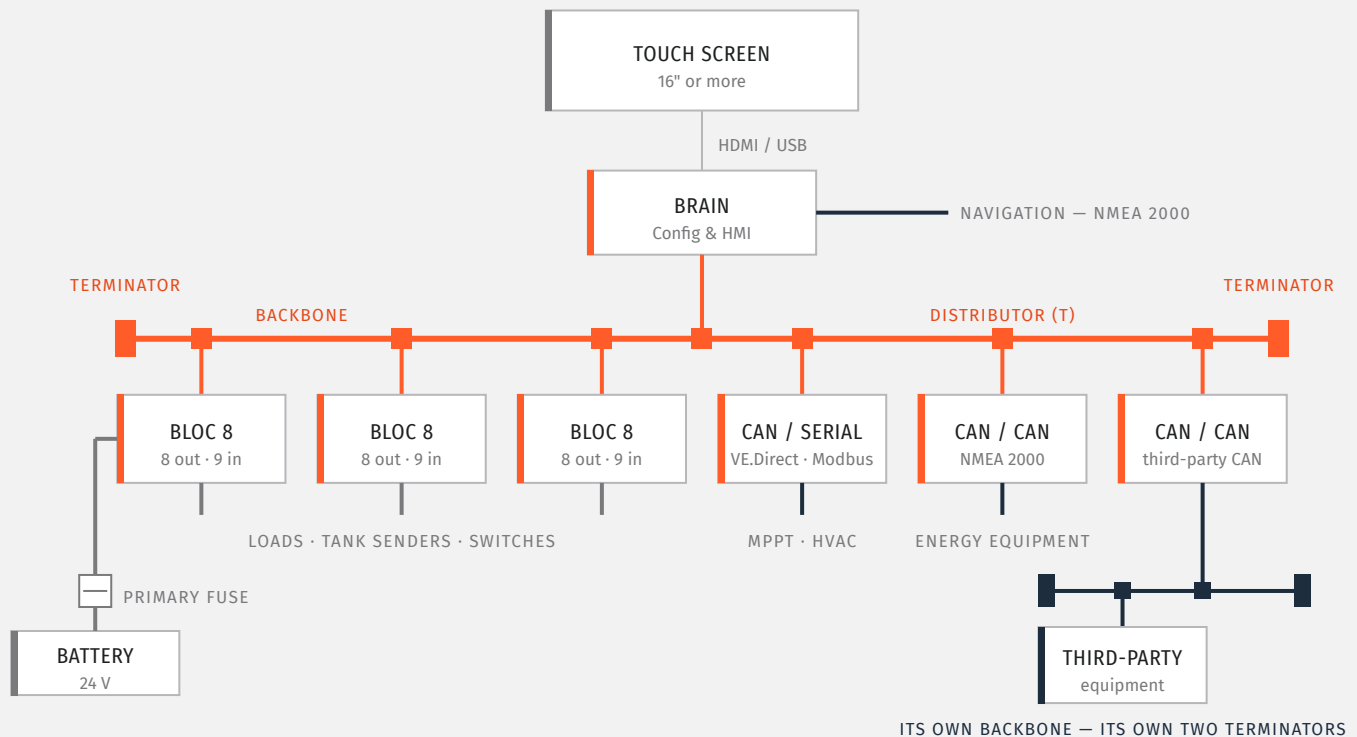


THE MUXEN BACKBONE

Two rules carry the rest. **Orange means MUXEN**, and nothing else goes on that bus. The backbone is tapped with a distributor, never cut, and closed by a terminator at each of its two ends.

THE NETWORK, SIMPLIFIED



THE WORDS

Backbone — the main network cable, running the length of the boat. Prefer lines to star topologies.

Distributor (T) — where a device taps into the backbone. Never cut the cable to add one, and protect the spare connectors from water and dust.

Terminator — the plug that closes each end of the backbone. Two per network, always.

Node — any device connected to the network.

Bloc 8 — the node that distributes and protects the boat's DC power, close to the loads: 8 outputs, 9 inputs, no relay and no fuse inside.

Gateway — a node that brings third-party equipment onto the MUXEN bus. It sits on two networks at once, and each of them needs its own pair of terminators.

Configuration — what this particular boat has, and how it must behave. Options are configured, not wired.

SIX FIELD REFLEXES

- 01 M12 connections** — push home without forcing. Catch the thread before screwing, keep the connector in the axis, screw it fully down. If it forces, it is wrong.
- 02 Protect the connectors** from water, dust, glue and sealant. A connector left open, or a cable running upwards into one, takes water sooner or later.
- 03 No crushed or pinched cable** — anticipate where the modules and deck sections come down, and keep cables out of traffic areas: nobody should be walking on them.
- 04 The electrician's basics** — routed, secured, no strain on a connector, nothing under tension.
- 05 Terminators are mandatory** — two per network, one at each end of the backbone: never one, never three. A backbone split for a test is two networks, so terminate both halves, then put it back as it was.
- 06 Check the diagnostics on the screen** before reaching for a multimeter. It shows which circuits are alive, which device is not answering, and which output has tripped.