

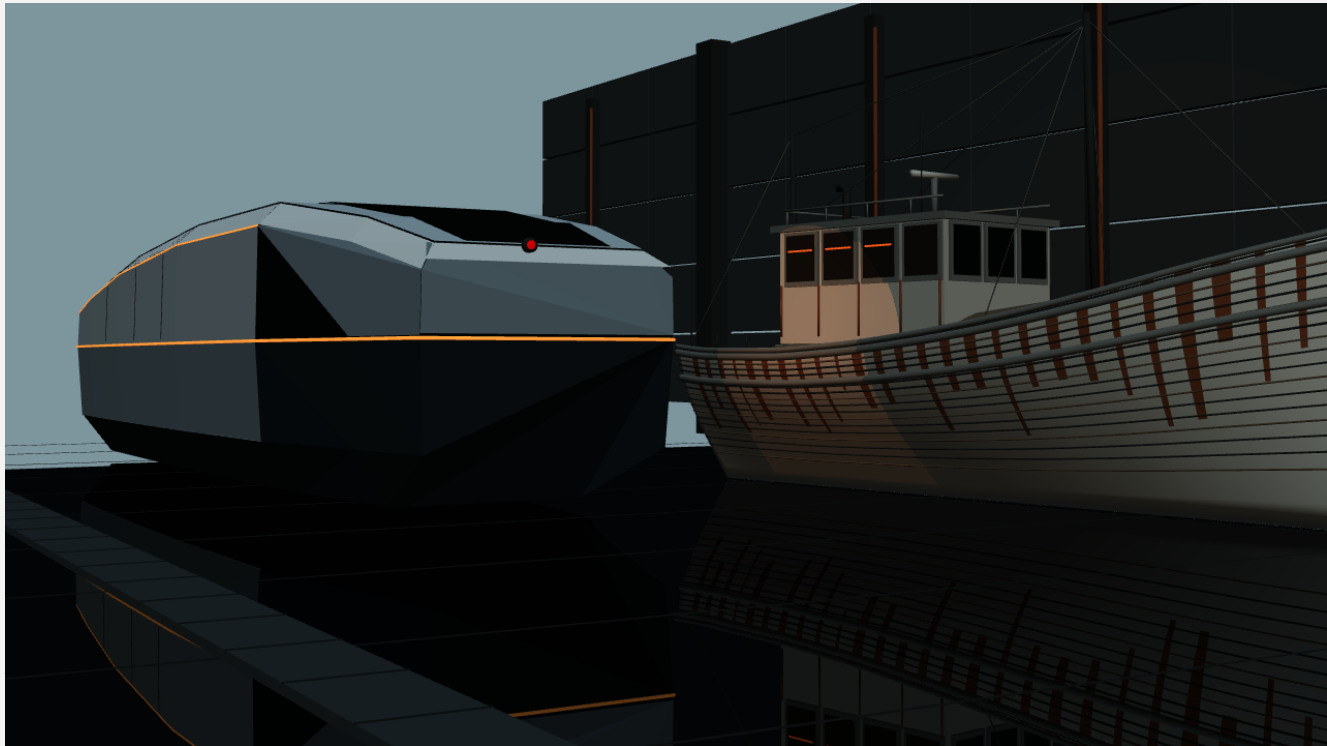
The first production move is now geometry.

ST. ELMO and NIGHTINGALE have been built in a shared local frame, with separate editable roots and a source-guided camera.

UPLOADED SOURCE / FRAME 58 / 2.416667 SECONDS



ACTUAL MESH RENDER / LIGHTING STUDY



Delivered: two editable vessels, the hangar/slipway proxy, fitted camera data, separate and combined GLBs, an ASCII USD snapshot, deterministic source code, a Blender scene-builder, and an offline review room.

Source truth: the vessels are not textured with the source image. The right-hand panel is rendered from the delivered polygons. Reflections use a preview approximation; materials and lighting are not final.

- 61,320 vessel triangles
- 233 named vessel parts
- 122 environment parts
- 10 schema-validated OMC entities

Status: ready for review, not approved.

Important limitation: this runtime does not have Blender. The native .blend is created by the supplied scene-builder when run in Blender; that execution has not been validated here.

Reference lock, with an explicit uncertainty boundary.

The supplied still matches zero-based frame 58 of the uploaded 97-frame, 24 fps video. The anchor timestamp is 2.416667 seconds.

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Reference lock / nine named anchors.

These are manual feature correspondences, not surveyed measurements or a calibrated camera solve.

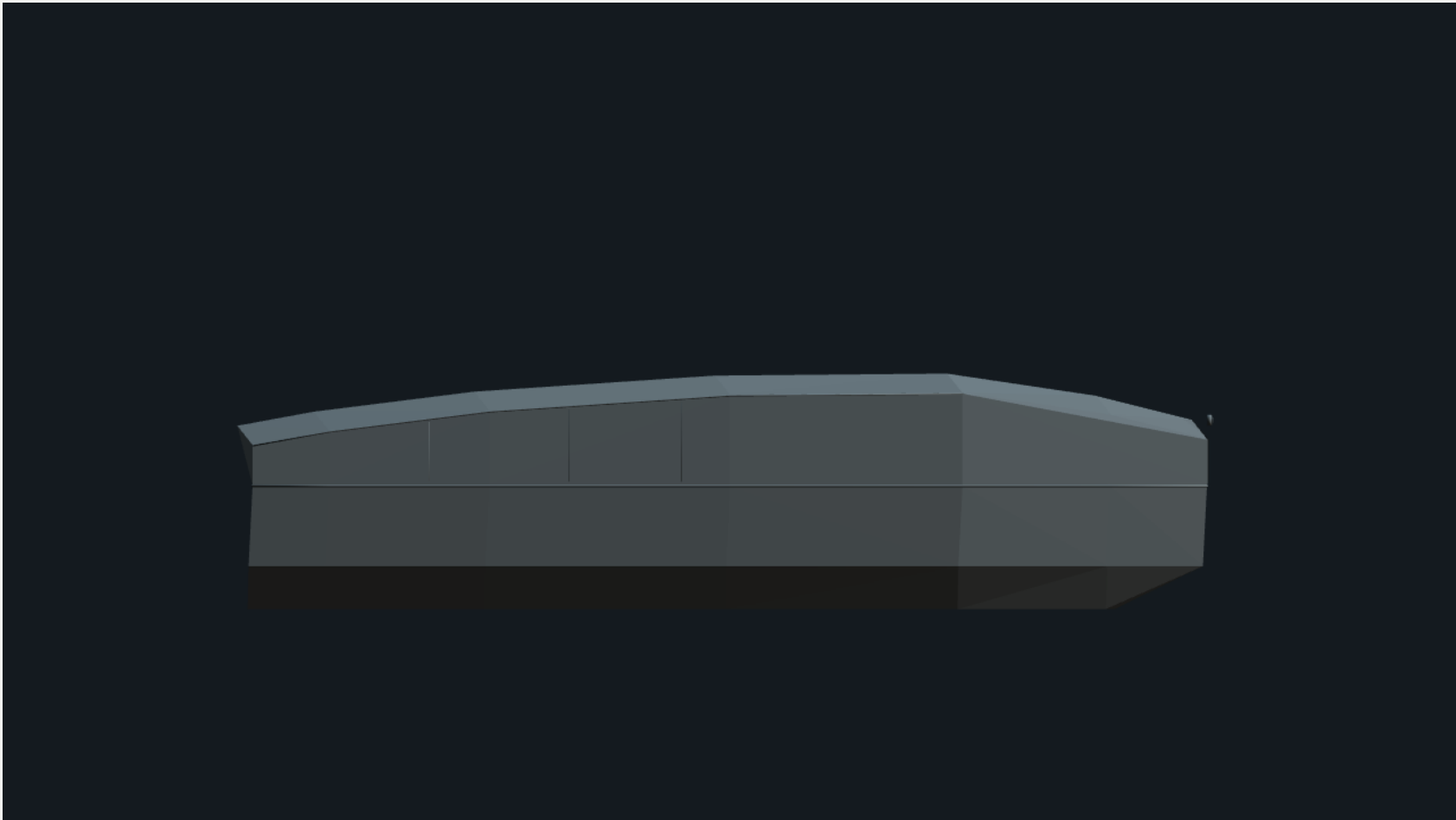


- S01**
Small red forward marker
- S02**
Far end of forward amber belt
- S03**
Near forward belt / lower facet junction
- S04**
Visible aft belt termination
- S05**
Upper forward side-light termination
- N01**
Wheelhouse roof near aft corner
- N02**
Wheelhouse roof near forward corner
- N03**
Aft rubbing rail / silhouette
- N04**
Wheelhouse roof far forward corner

Naming: modern craft -> ST. ELMO; traditional craft -> NIGHTINGALE. Both bindings remain proposals.
Preserve the source. Do not add foils, a rescue conversion or branding to this approval frame.

ST. ELMO / silhouette and structure.

Faceted shell, black glazing, forward brow, small red point, lower hull facets and continuous amber belt. No hydrofoil or twin-hull claim is encoded.



GEOMETRY ENVELOPE / NOT SOURCE MEASUREMENTS

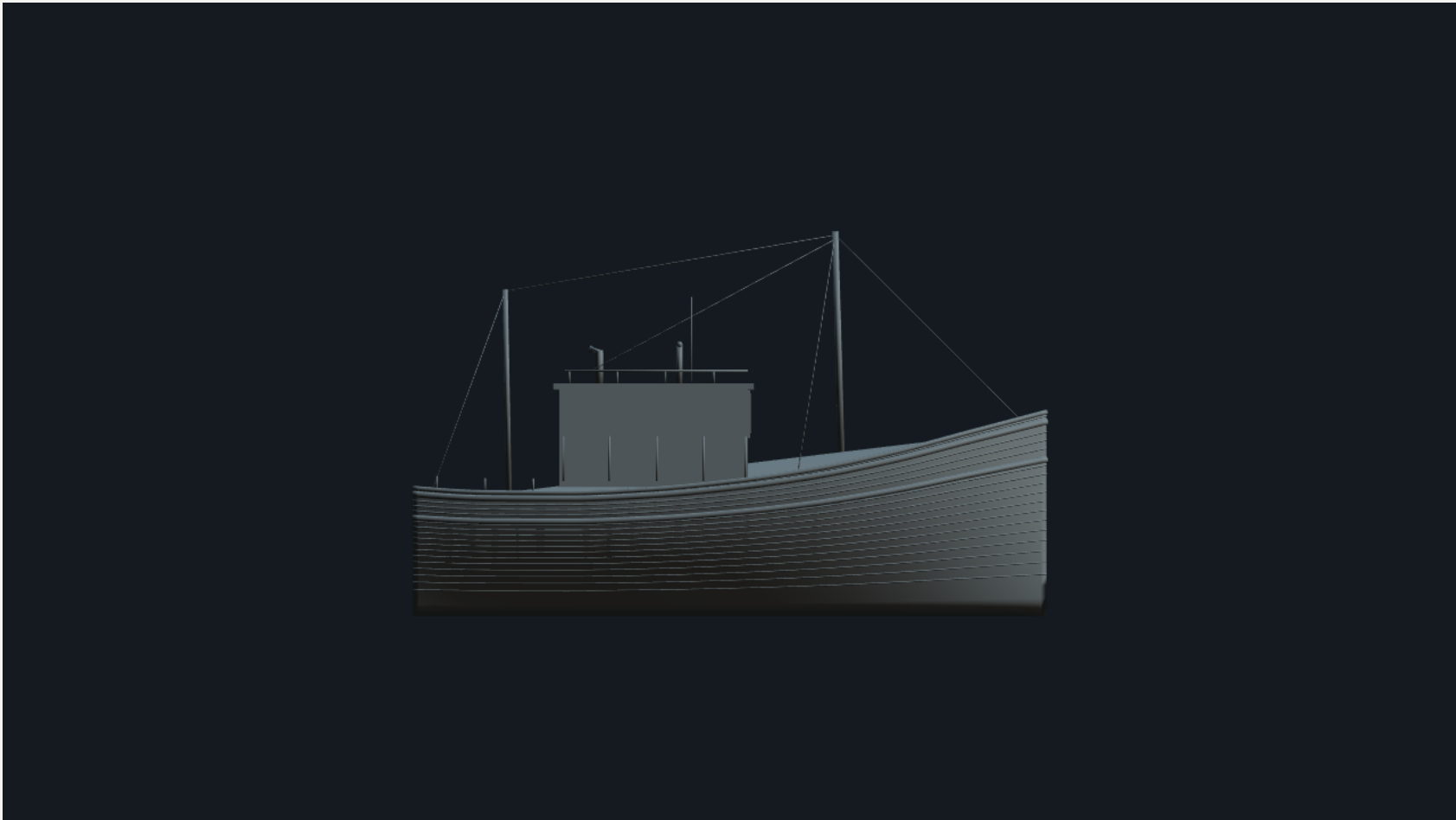
24.33 m length x 7.49 m width x 5.93 m height.
62 editable parts / 920 triangles. Primary lower-hull proxy is closed and winding-consistent.



Next modeling pass: correct the near amber-belt junction and aft silhouette against the overlay; refine roof/brow continuity before adding bevels or mechanisms. Unseen sides, roof completion and boarding aperture are provisional.

NIGHTINGALE / structure before surface history.

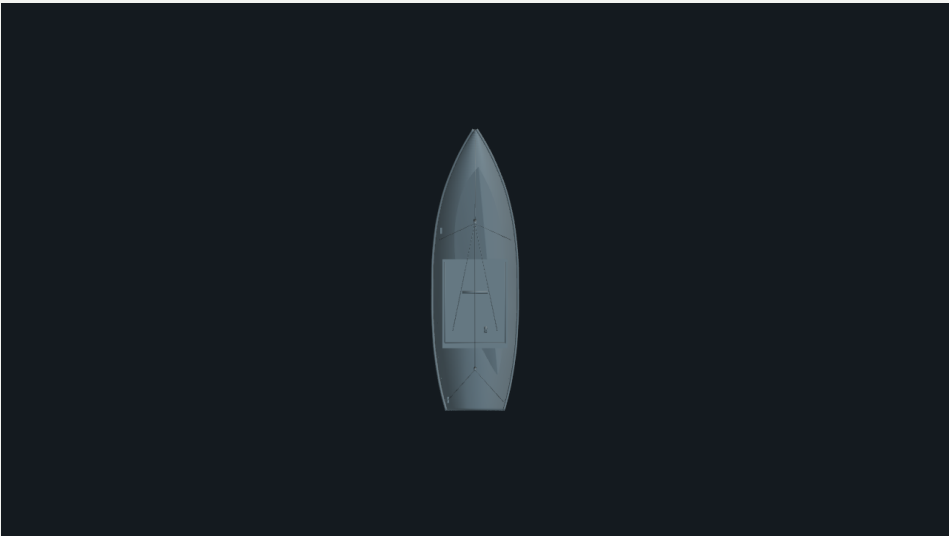
Traditional hull volume, raised strakes, rubbing rails, wheelhouse, separate window panes, cabin strips, roof rails, masts, rigging and small roof fittings.



GEOMETRY ENVELOPE / MAST INCLUDED

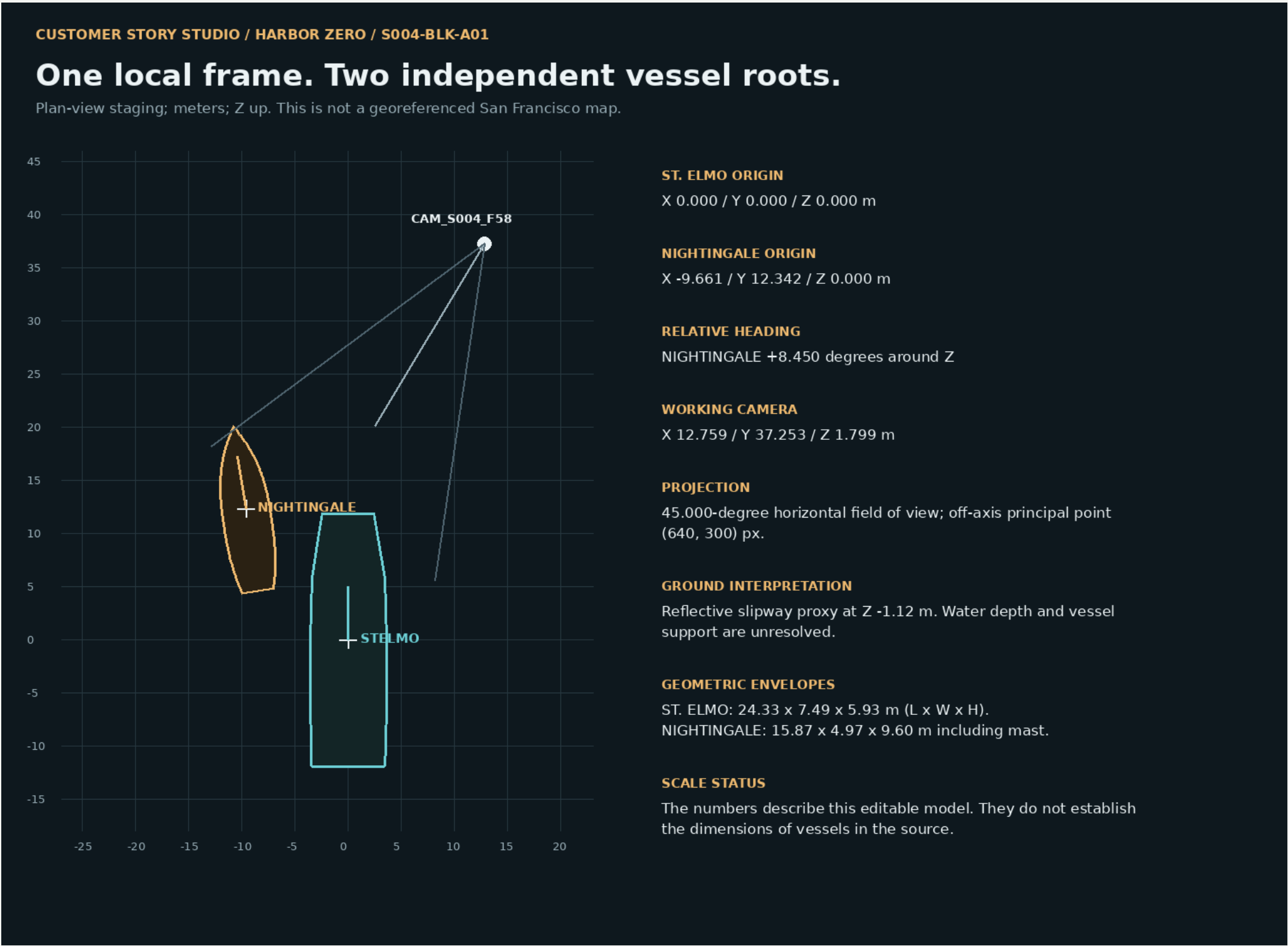
15.87 m length x 4.97 m width x 9.60 m height.
171 editable parts / 60,400 triangles. Primary hull proxy is closed and winding-consistent.

Next modeling pass: lower/refine the aft wheelhouse roof and inspect the sheer line, stem and cropped bow. The corrosion strips are a replaceable interpretation, not a traced texture or approved repair history. No rescue conversion or interior has been added.



Shared staging / one coordinate contract.

Meters; Z up; +Y toward the bow; +X toward starboard. The source does not establish absolute scale.



The overlay makes the remaining work visible.

White circles mark manual source observations. Colored squares mark the current mesh projections. Target bands are artist-review thresholds, not engineering tolerances.



FEATURE	ERROR	TARGET	RESULT
S01	2.9 px	8 px	MET
S02	6.2 px	12 px	MET
S03	27.3 px	18 px	REVISE
S04	25.1 px	20 px	REVISE
S05	18.8 px	20 px	MET
N01	22.1 px	20 px	REVISE
N02	10.7 px	20 px	MET
N03	12.5 px	20 px	MET
N04	11.5 px	20 px	MET

6 of 9 provisional landmark targets met.
Mean point residual: 15.2 pixels at 1280 x 720.
Maximum point residual: 27.3 pixels.

Do not read this as a full reconstruction score. These are nine manually assigned correspondences, not a silhouette intersection score, camera calibration, 3D accuracy or cross-clip validation. Some invisible geometry can be changed without affecting these metrics.

Open gates: S03 near belt junction; S04 aft belt; N01 aft wheelhouse roof. Use the source opacity slider in the review room, then record a blackout-only decision and the intended corrections.

Handoff / what is ready and what is not.

The graph record preserves narrative identity separately from the generated model and its file representations.

READY NOW

GLB: four files loaded back into an independent mesh library. Mesh counts and triangle counts match. Named groups and identity metadata remain attached.

Geometry: finite coordinates; valid index ranges; unique part names. Both primary hull proxies are watertight and winding-consistent.

OMC: ten entities validate against the exact uploaded OMC JSON 2.8 schema. The separate CSS handoff keeps the application envelope distinct from the standard encoding.

Review: source annotations, clay/lighting/identity frames, orthographic views, an orbit movie and interactive source overlay.

NOT YET VERIFIED OR APPROVED

Blender: no native .blend exists in this delivery. The supplied script reconstructs it; syntax was checked, Blender execution was not.

USD: ASCII mesh/material snapshot is supplied; USD application import has not been tested.

Real time: the offline viewer has a tested software fallback. The WebGL2 path could not run in this environment.

Canon and engineering: current atlas identifiers, vessel names, absolute scale, underwater structure, foil mechanism, rescue configuration and hydrodynamics remain unresolved.

Start with viewer/open_review.html. Select Camera match, adjust reference opacity, inspect both hulls in 3D, make a staging correction if needed, and save review + transforms JSON. This records a local decision only; it does not publish to the graph.

Blender command:
blender --background --python code/rebuild_in_blender.py -- --out assets/shot004_blockout.blend

Sources: the user-supplied shot004 clip and still; OMC-JSON-v2.8.schema.json; MovieLabs Context Ontology v2.8, sections 2.5 and 3.4; supplied CSS graph conventions. No boat dimensions were retrieved from outside sources.

Continuity reference / the next solve.

The single approval camera does not claim to reproduce the source camera movement. Review these sampled frames before locking geometry for animation.

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The full source clip is not a single camera still.

Six sampled frames from 97 decoded frames at 24 fps. Geometry and camera continuity have not been solved.



f0000 / 0.000000 s



f0024 / 1.000000 s



f0048 / 2.000000 s



f0058 / 2.416667 s / PRIMARY ANCHOR



f0072 / 3.000000 s



f0096 / 4.000000 s