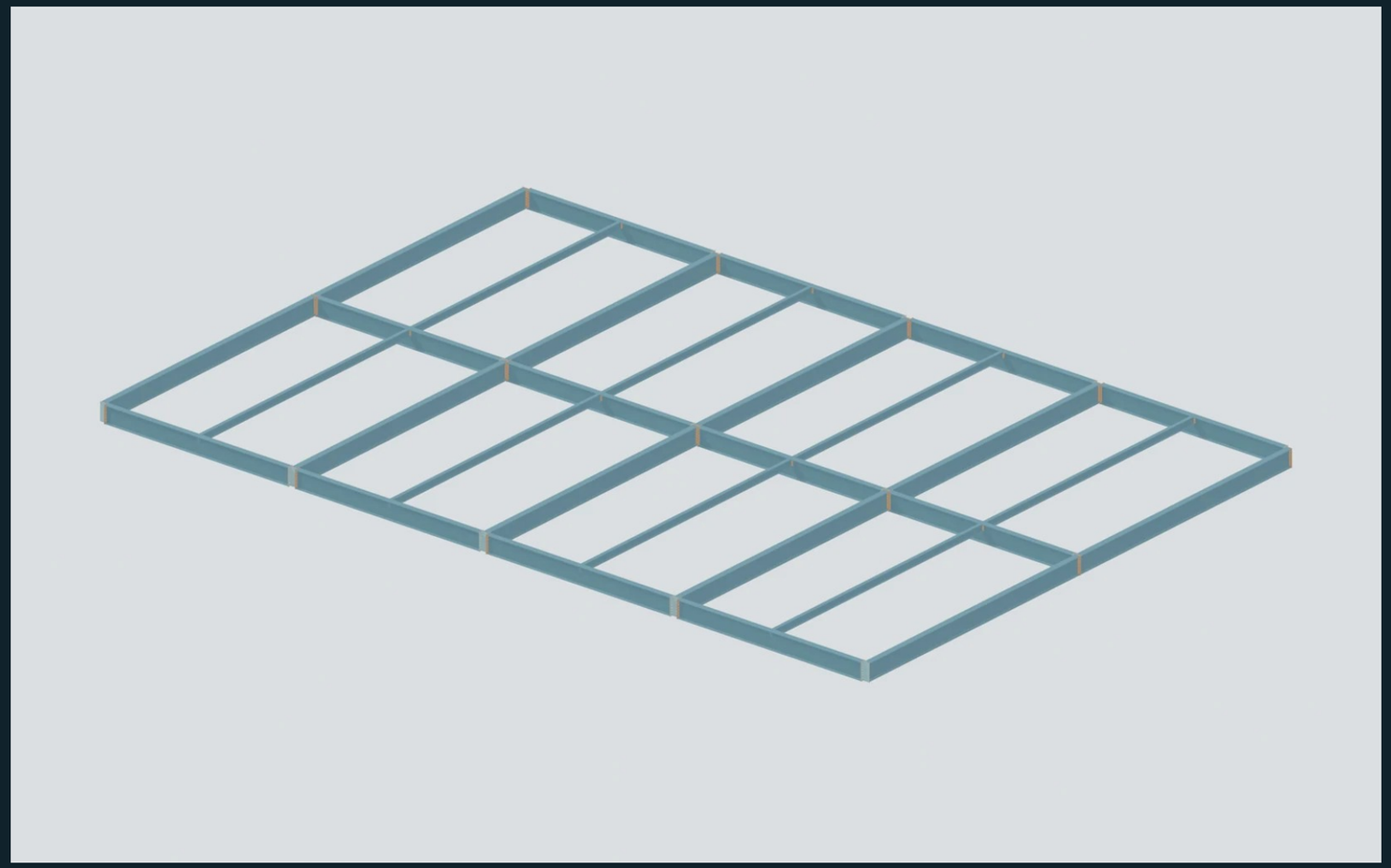
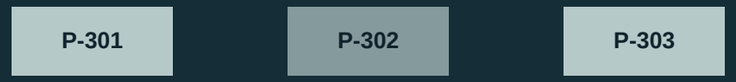
A modification to an existing facility



Relocate the P-302 pump package on deck DK-38. Compare the original layout with the variant, then review which interfaces and deliverables change.

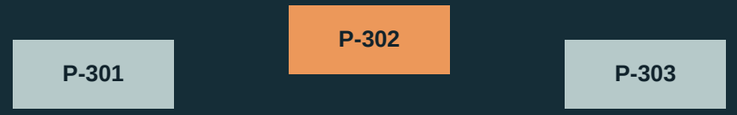
P-302 comparison

Original layout



Y = -26.00 m

Variant R01

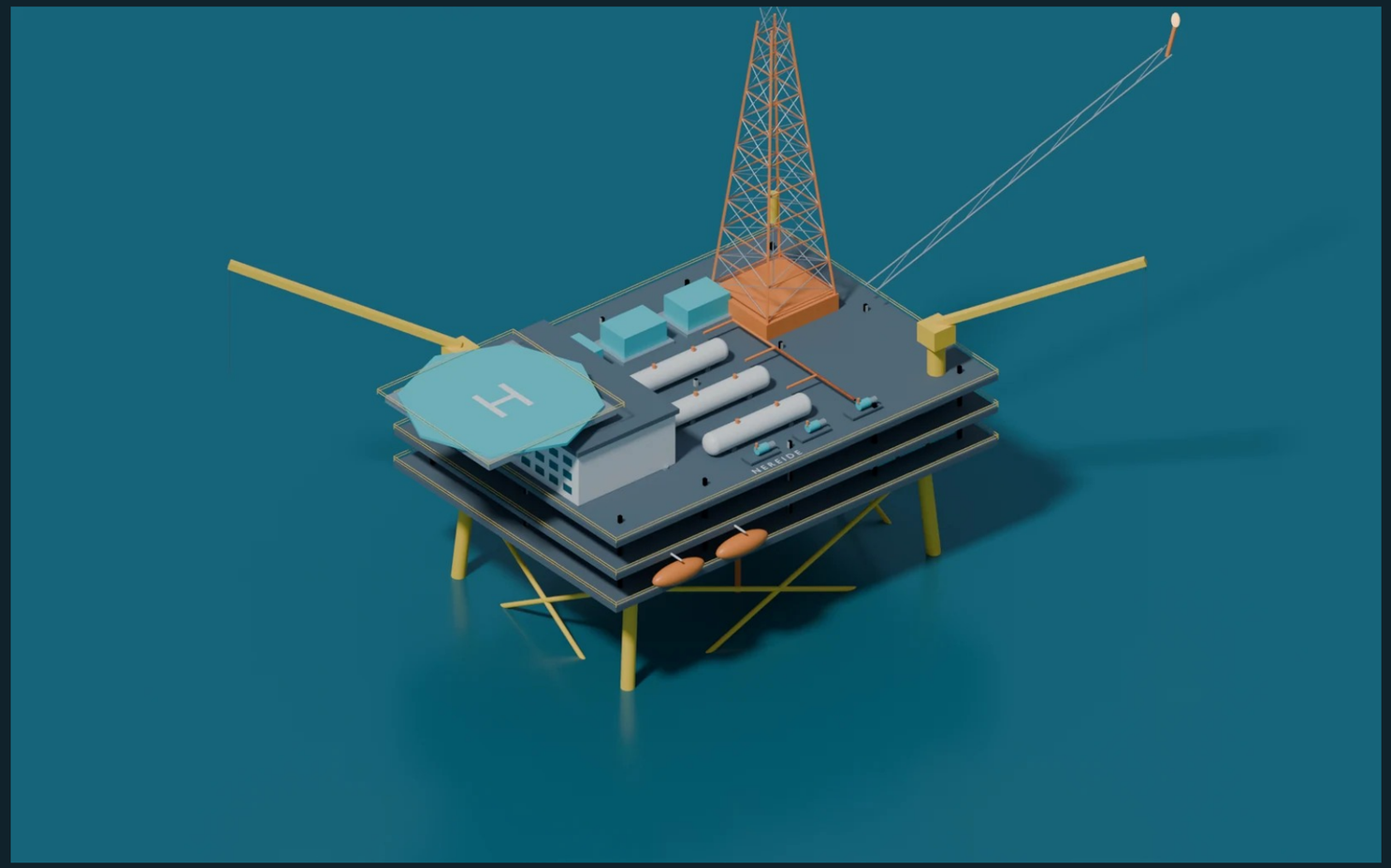


Y = -24.50 m

NEREIDE C02 is the reference model. The scenario assumes the original skid position limits the available space in front of the package. The variant moves the skid, pump, motor and first discharge segment 1.50 m inboard. The cyan zone marks the area to measure during the survey.

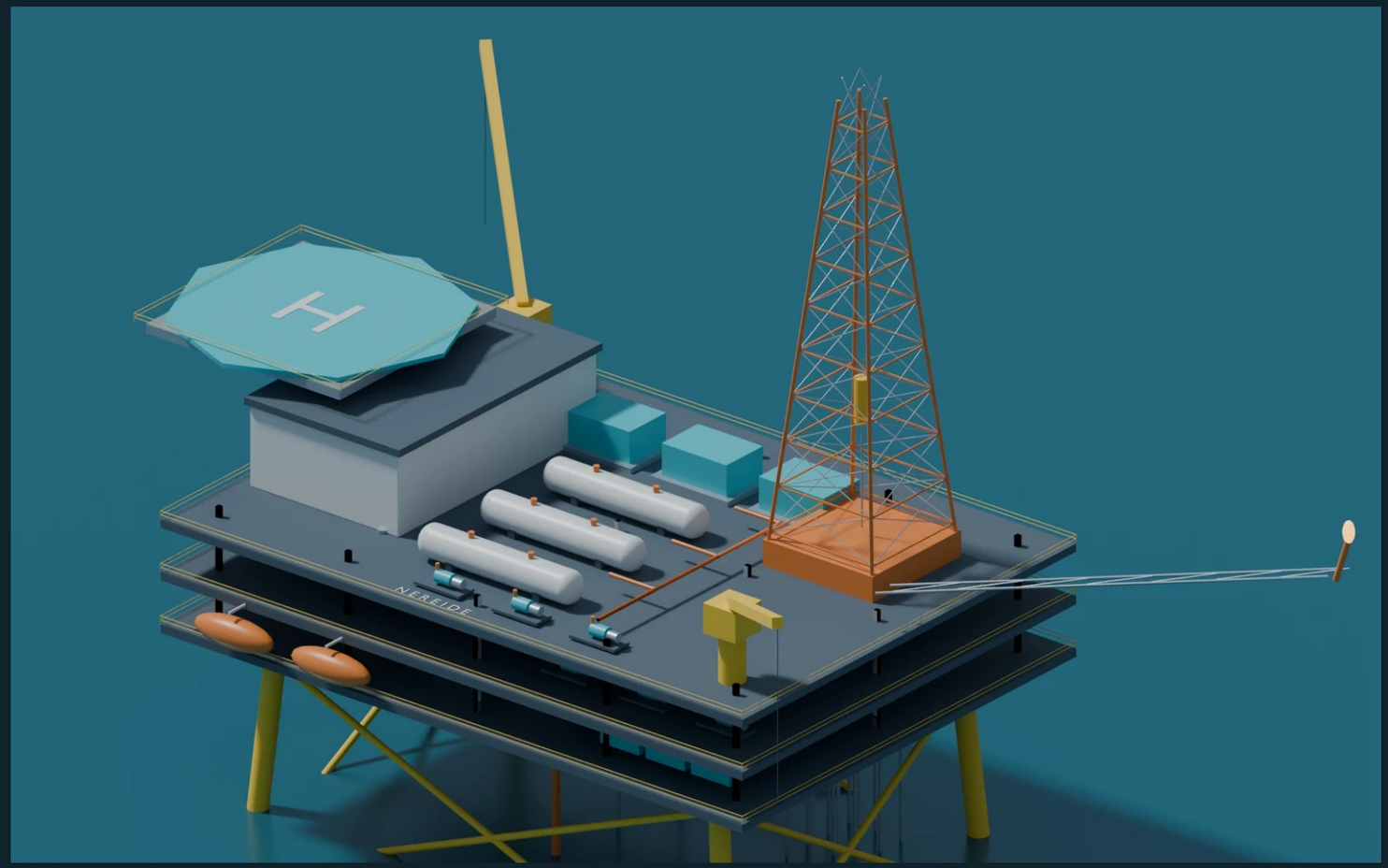
Geometric demonstration scenario. The variant’s clearances and interfaces require a survey and approval by the project engineering team.

Survey and baseline



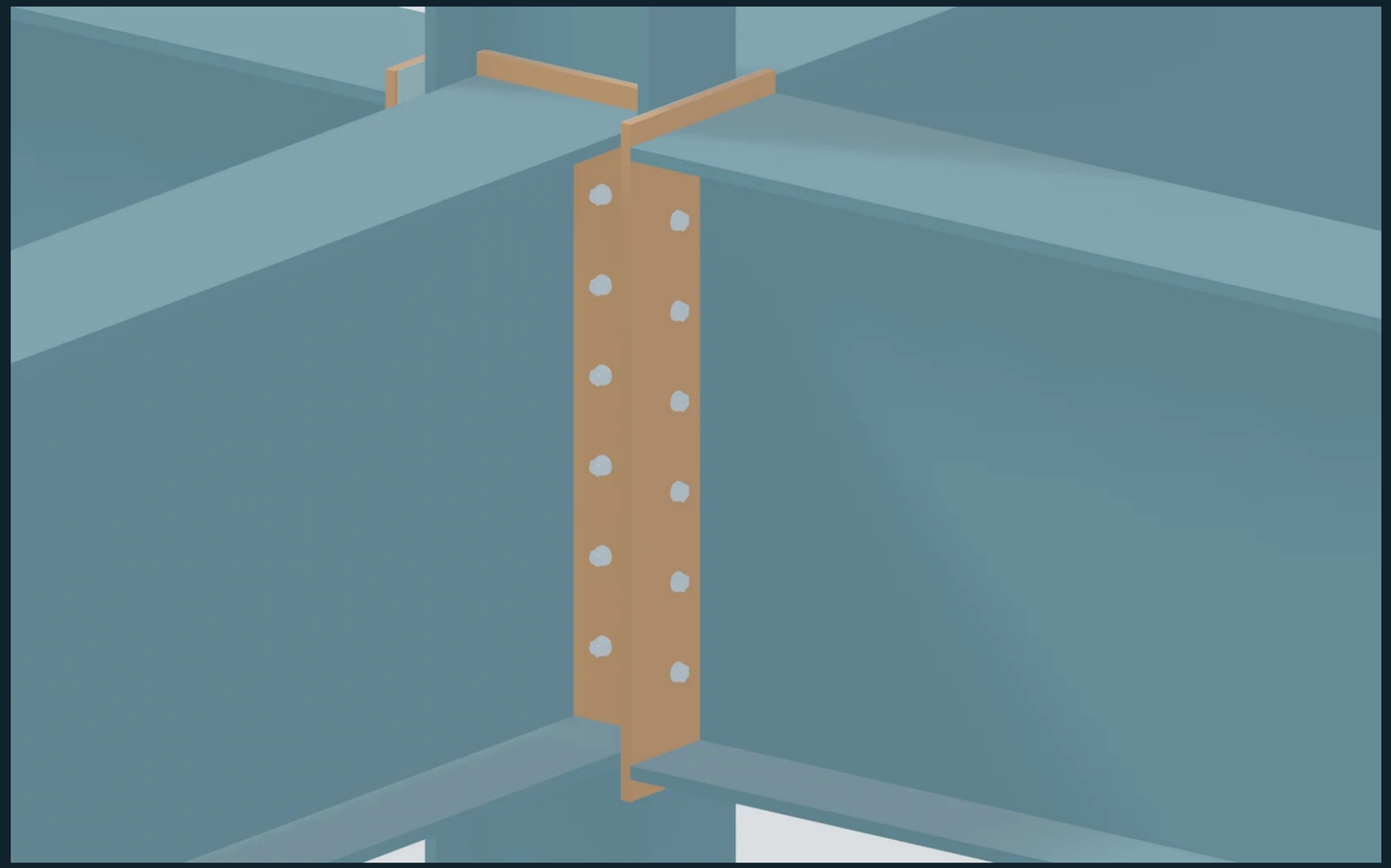
Align drawings, levels and a local survey. Record tie-ins, supports, removal space and access to the pump.

Variant and interfaces



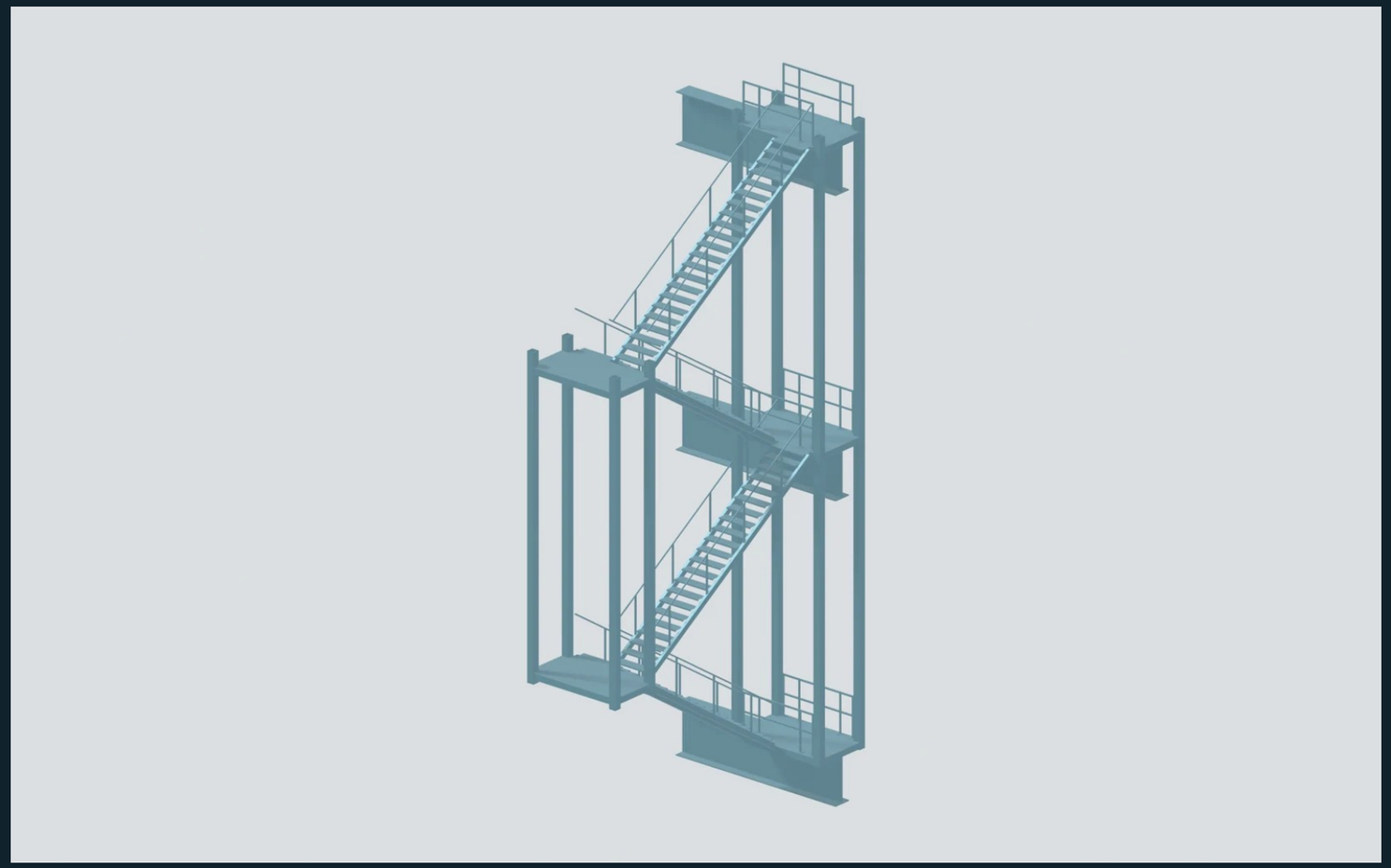
Update skid coordinates and views. Recheck power, instrumentation, drains and piping connections. Identify interfaces with adjacent equipment.

Discipline checks



The engineering team checks supports, loads, vibration, nozzle loads and maintenance routes against surveyed dimensions.

Drawings and phasing



Update the layout, interface list and revision register. Agree operational windows, isolation and return-to-service requirements before developing the execution sequence.