

MESA[®] SimSurvey[™]

SEISMIC SURVEY DESIGN SOFTWARE

MESA SimSurvey

Flexible Cost and Operational Simulation Software for Marine Seismic

MESA SimSurvey is a new MESA module that provides reliable time and cost analysis functionality to the marine survey design and planning workflow.

MESA SimSurvey ensures the geophysical integrity of your MESA survey design while modeling risk mitigation, HSE compliance, and efficiency of your operational planning. Users transfer their ocean bottom and towed streamer survey designs from MESA directly into MESA SimSurvey to compare a wide range of sophisticated cost models.

Operational Planning Features Included in MESA SimSurvey Seismic Simulation Tool

- Time and cost analysis for comparing different ocean bottom and towed streamer operational scenarios.
- Comprehensive scenario parameterization: number of vessels, multi-line deployment and retrieval, downtime modeling, crew changes, vessel speeds, turn radius analysis, and unit costs.
- Animation and playback of vessel movements through project lifecycle.
- Simulation of bottom cable, node on a rope, and ROV deployed geometries.
- Single and multi-vessel towed streamer simulation, including hybrid geometries with fixed nodes.
- Updated time estimates of active projects by importing survey progress to date and simulating the remaining project.
- Flexible chart tools for comparing production rates between scenarios.



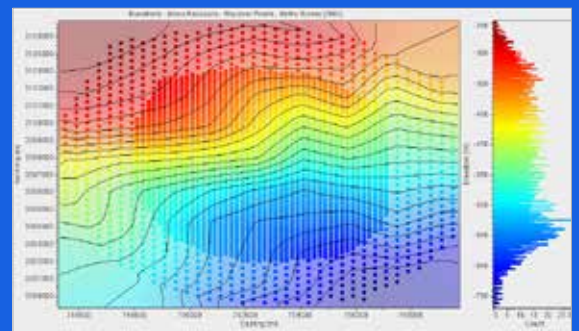
Compare time and cost for design scenarios



Custom graphs of operational statistics

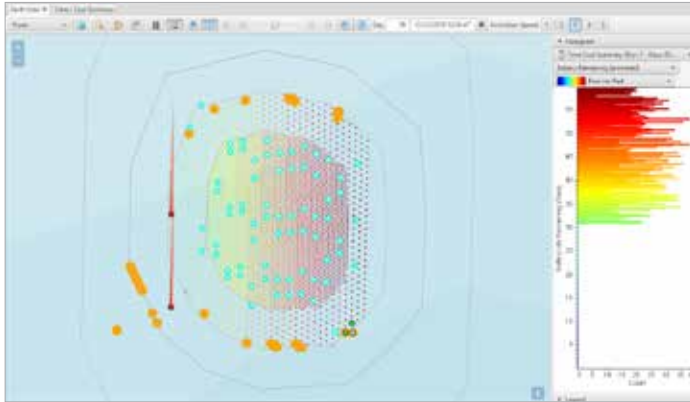


Create Gantt charts to analyze operational timelines. Export timelines to Marlin™

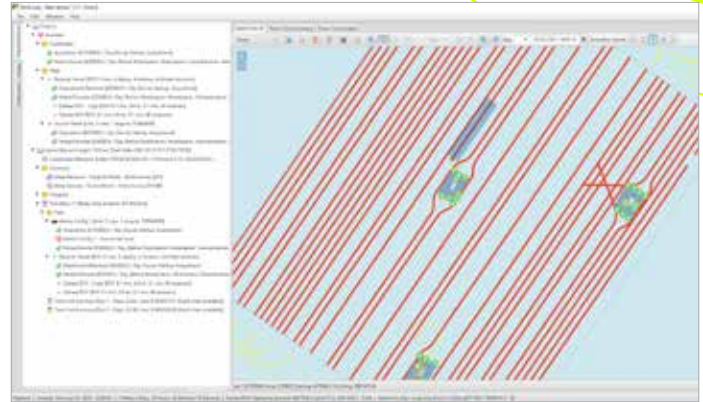


Model water depth for node deployment

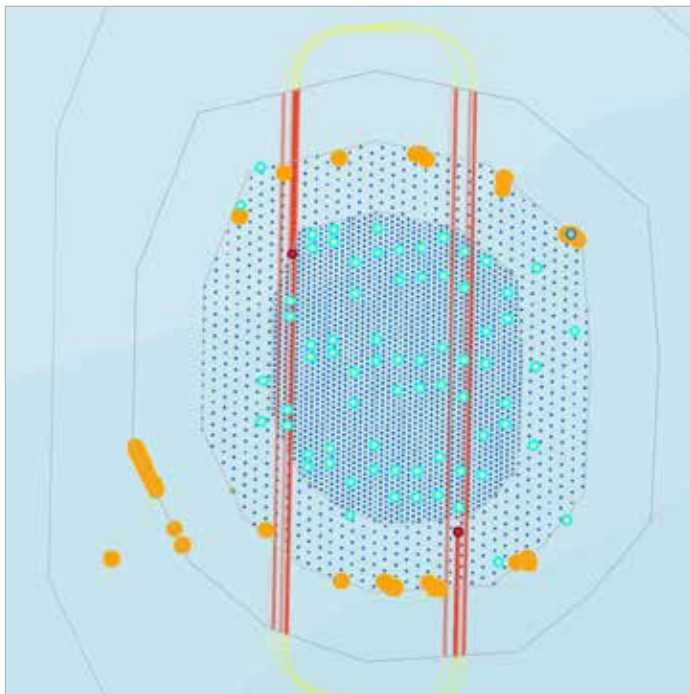
MESA SimSurvey optimizes survey efficiency before the project begins.



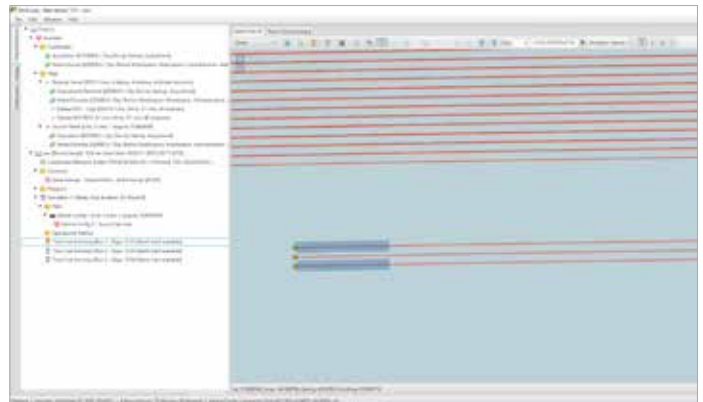
Model remaining battery life during the course of a project



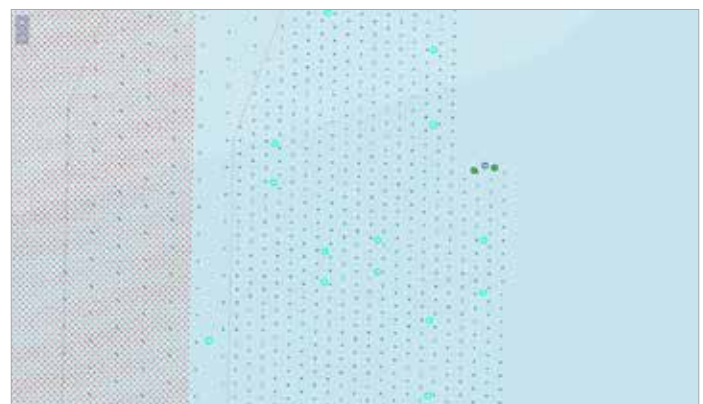
Simulate hybrid towed streamer and OBN geometries



Model multi-vessel operations



Create multi-vessel simulations for undershooting and wide-azimuth geometries



Sophisticated ROV modeling including subsea loaders

Hardware Specifications:

- › 64-bit PC version of Windows 10
- › A minimum of 16GB of RAM memory is required

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