



Evaluation of a drift calculation with a lost tool. Model development, calculation and evaluation by Corvus Works
@Daniel Klemmt - Corvus Works

Drift calculation: Calculate the path of an object under water

Model development, simulation and evaluation

Underwater drift predictions are a great challenge due to a missing set of boundary conditions, a multitude of modelling options and a generally high level of complexity. Corvus Works has the necessary know-how for precisely these calculations and, with the world's largest seabed database and numerous cooperation partners, can specifically calculate/simulate underwater currents. The forces necessary for the calculation are determined numerically and experimentally. This is then used to determine the exact boundary conditions. It does not matter for which object the calculations are to be made, the experts at Corvus Works will find a solution.

Properties

- Comprehensive, detailed and accurate calculation of the most important forces
- Team with specialists in fluid mechanics, marine engineering and programme and model development
- Visualisation of all available data in GIS maps
- Use of the world's largest seabed database
- In-house calculation programme for Unexploded Ordnance (UXO) movement and burial depth
- Numerous cooperation partners in the maritime and offshore sectors

Applications

- Numerous evaluation options through targeted calculation and simulation according to customer requirements

Current projects:

- calculation of drift and mobilisation in the sea with dbSEABED bottom data
- drift of crash parts
- movement of objects under consideration of different forces (friction, adhesion, buoyancy, resistance, etc.)

Contact

Dr.-Ing. Daniel Klemmt
Head of experimental and numerical data acquisition

Phone +49 (0) 381 6609 6686
Mobile +49 (0) 172 4938 237
daniel.klemmt@corvus-works.com

Corvus Works GmbH
Alter Hafen Süd 3
18069 Rostock
www.corvus-works.com

More information:

