

alsim
Oil & Gas

CFD simulation to
safeguard your facilities



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follow industry standards

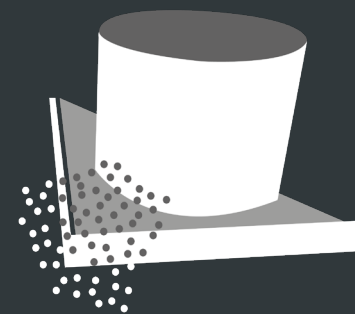
assess and lower risk

improve existing and new facility designs

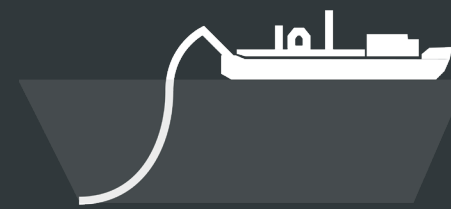
simulate tank ruptures

simulate large-scale fluids

- ❖ Covers the whole paint shop process with precision and accuracy
- ❖ Designed to process complex geometries
- ❖ Autonomous software: frees up time for new innovation
- ❖ Offers specific suggestions for enhancement
- ❖ Market proven: a trusted partner across industries



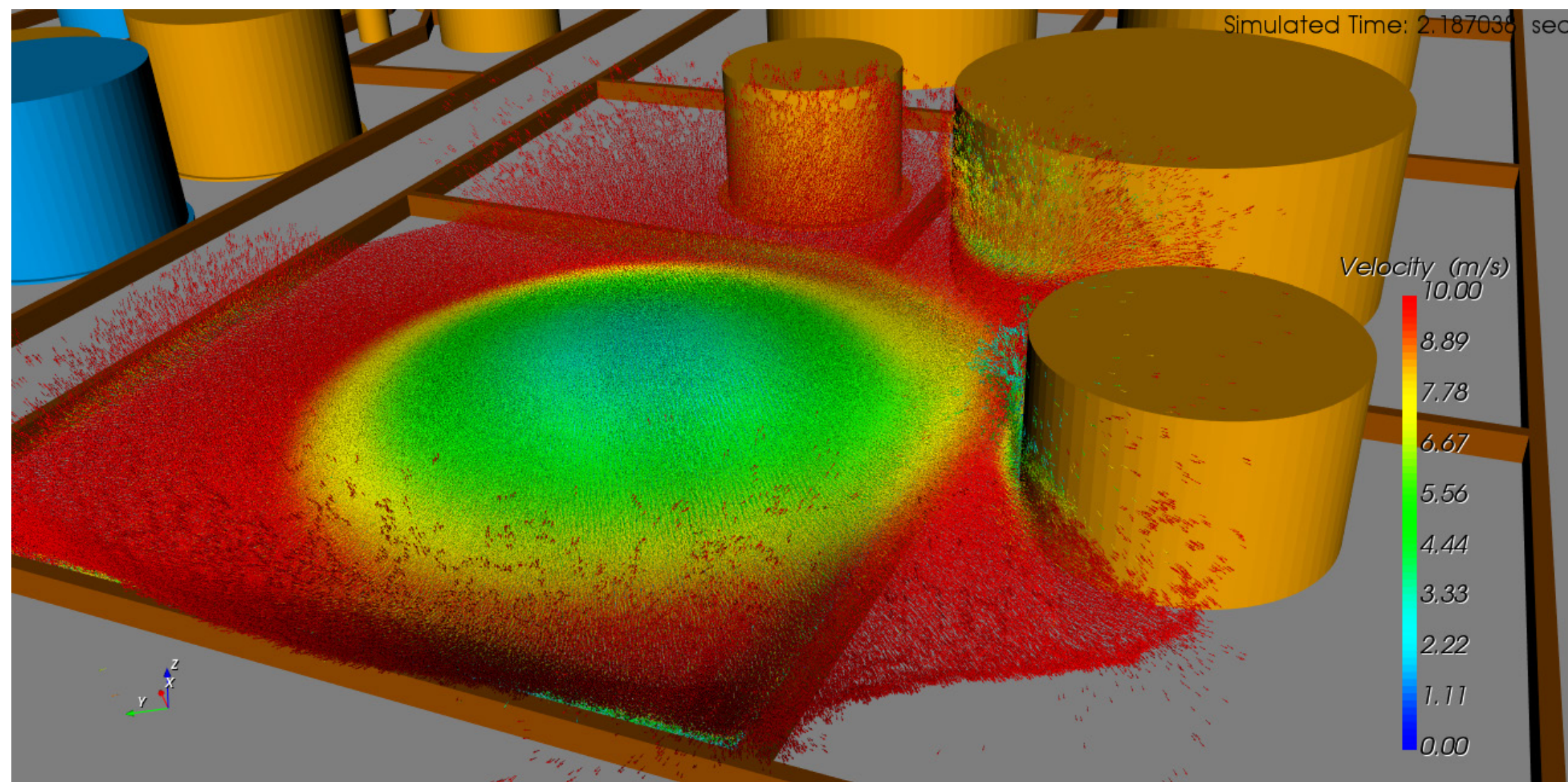
Tank Ruptures &
Collapses



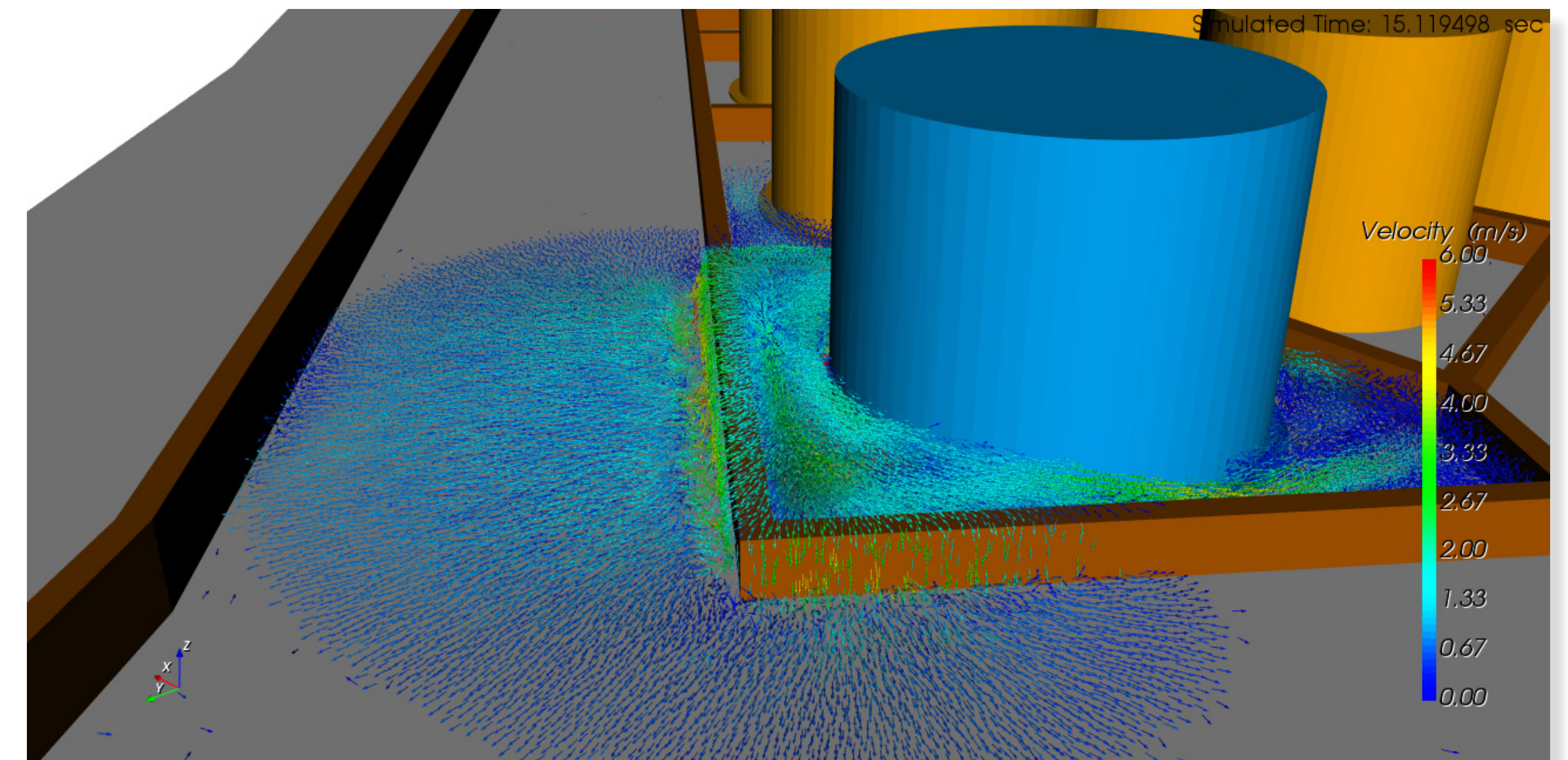
Pipe Layings



Offshore Platforms/
Waterwaves



Tank Collapse Simulation



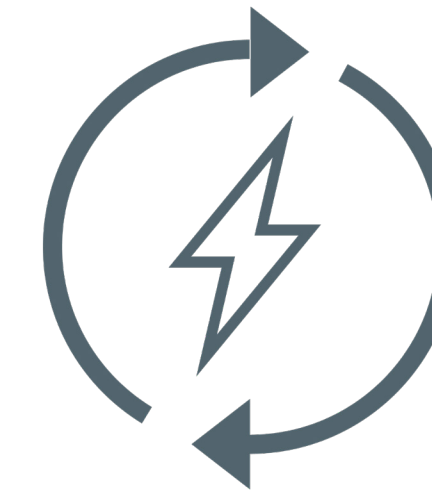
Tank Rupture Simulation

**SAFEGUARD**

- ❖ reduce risk and gain risk assurance
- ❖ increase safety measures in existing and newly developed facilities
- ❖ avoid disasters and accidents with accurate simulations
- ❖ simulate effects on surrounding buildings and the environment

**INNOVATE**

- ❖ optimize new facility designs
- ❖ verify and improve the design of existing facilities
- ❖ decrease long-term costs by curtailing risk
- ❖ follow industry standards such as API or other common regulations

**ACCELERATE**

- ❖ accelerate decision making
- ❖ suggestions for enhancements in the design phase



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