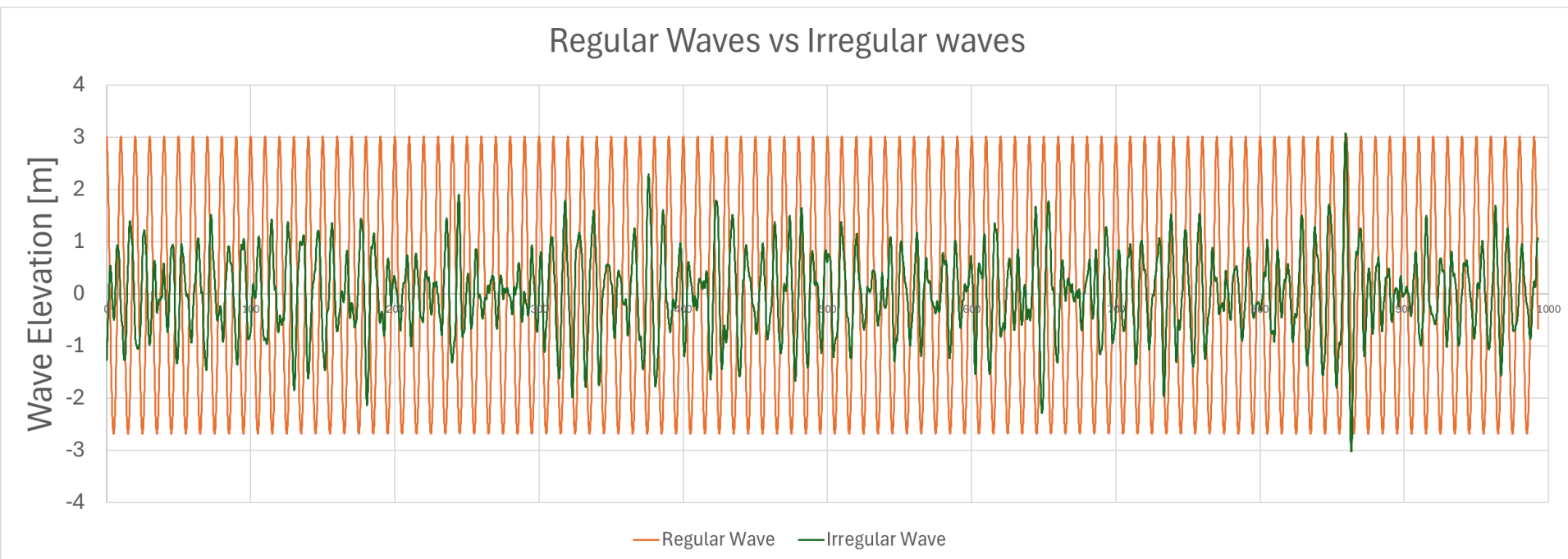
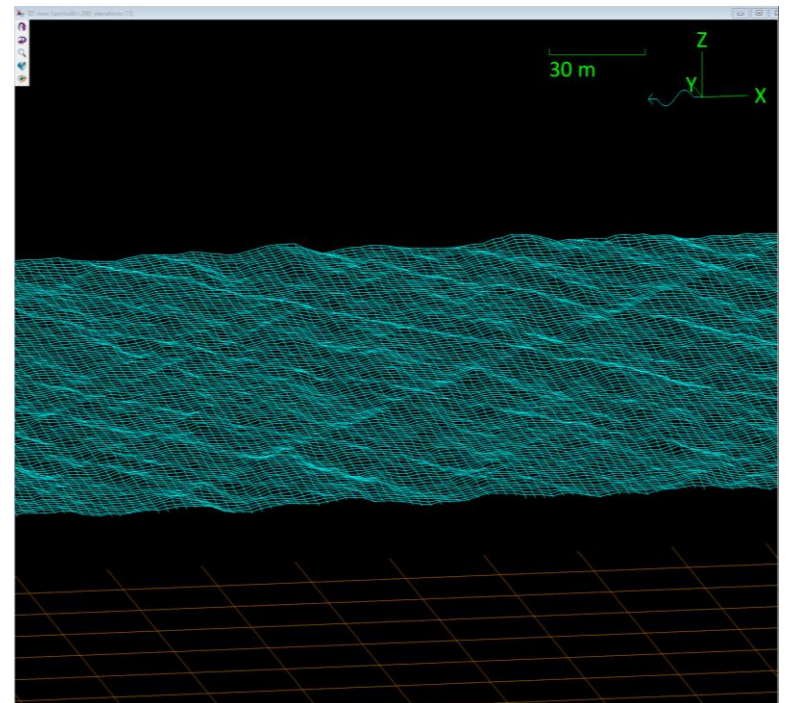
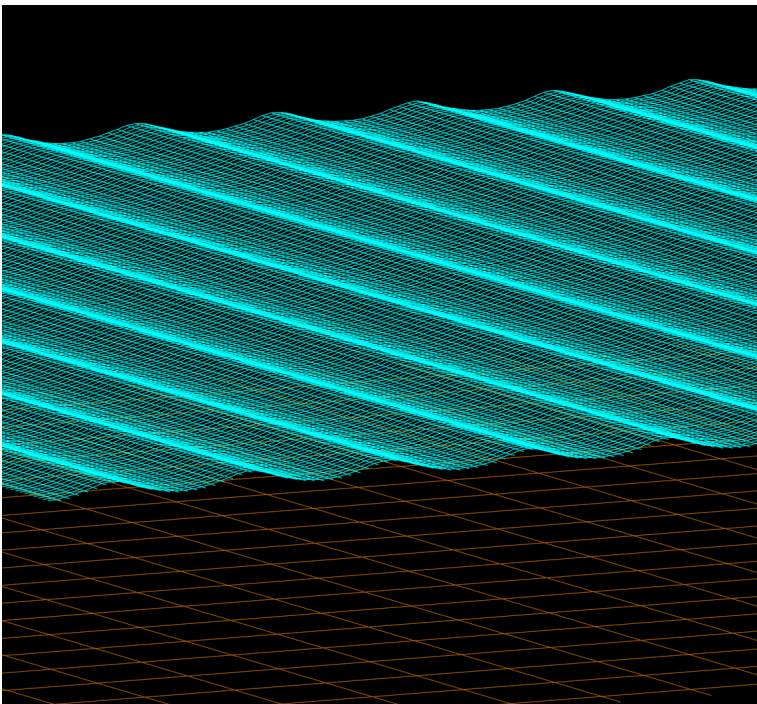
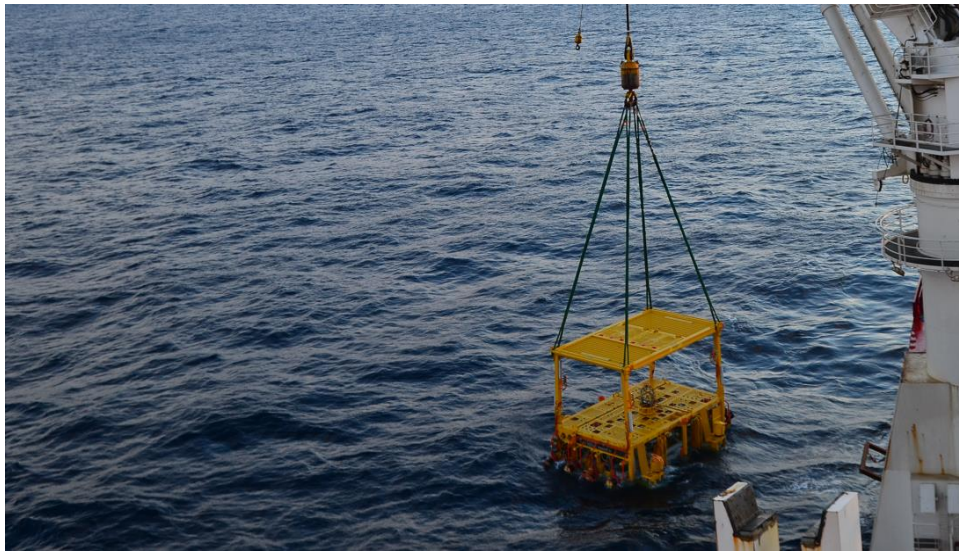


This  costs vessel owners, contractors and operators \$10M+ each year



What looks more realistic?



DNVs recommendation is to model waves with a random wave model

2.2 Description of waves

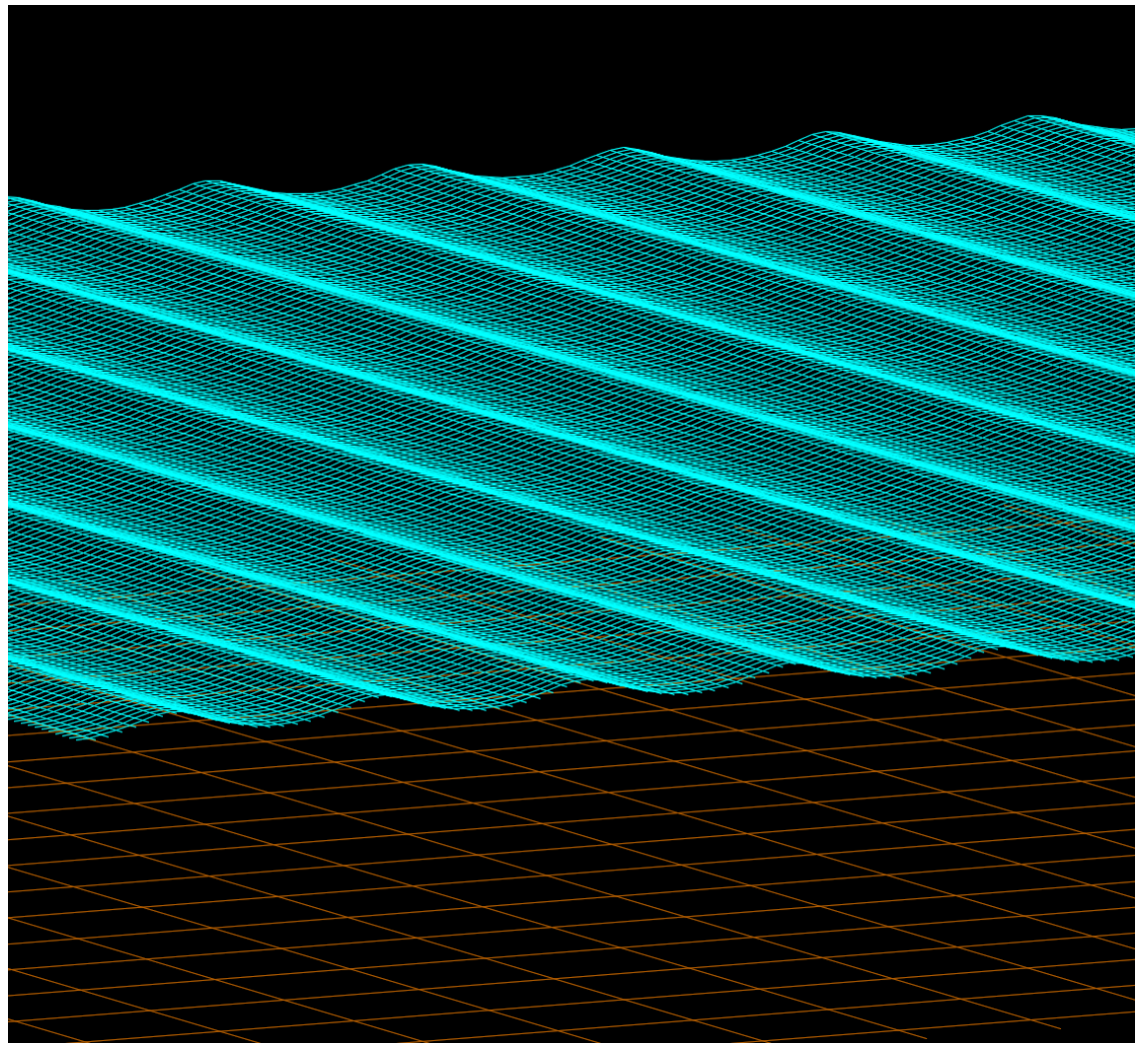
2.2.1 General

2.2.1.1 Ocean waves are irregular and random in shape, height, length and speed of propagation. A real sea state is best described by a random wave model.

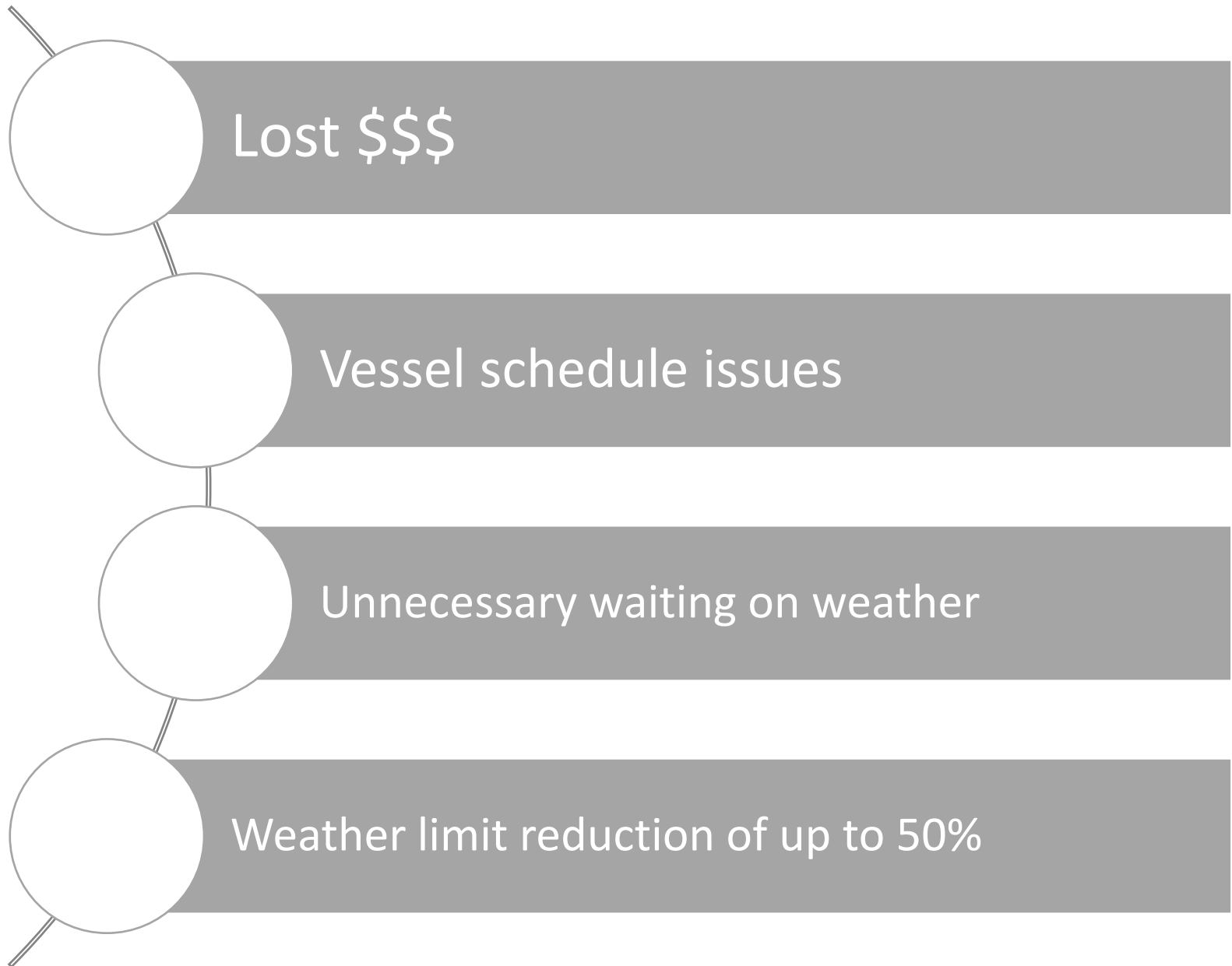
HOWEVER:
MANY analyses are still run with the
conservative regular wave approach!

WHY?

- It's easy
- It's less computationally demanding
- No statistics needed

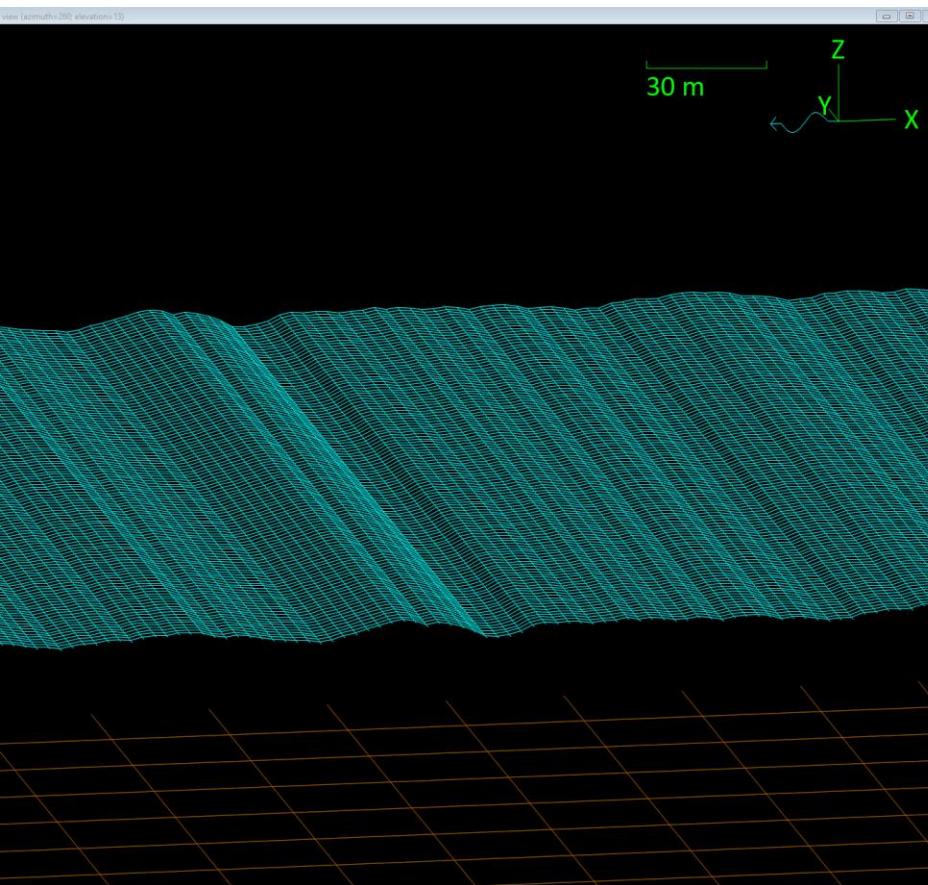


The Consequence:

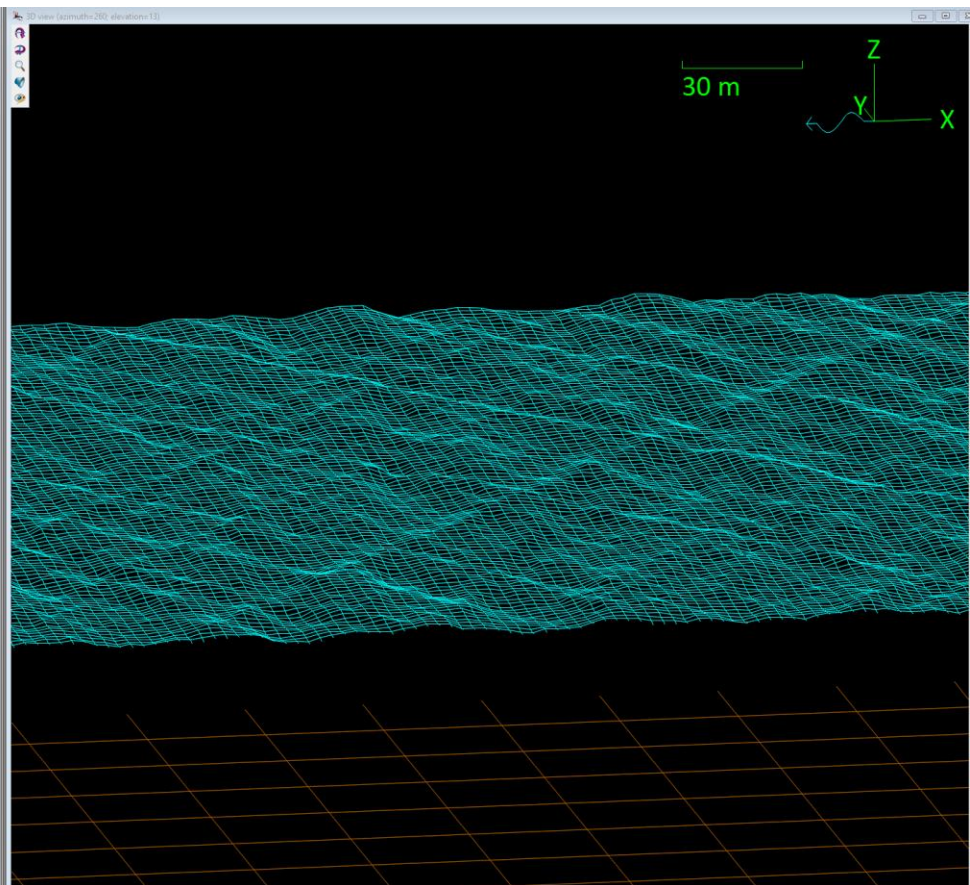


Use irregular wave models instead!

- More accurate results
- Easier to adjust risk/probability levels
- Less waiting on weather



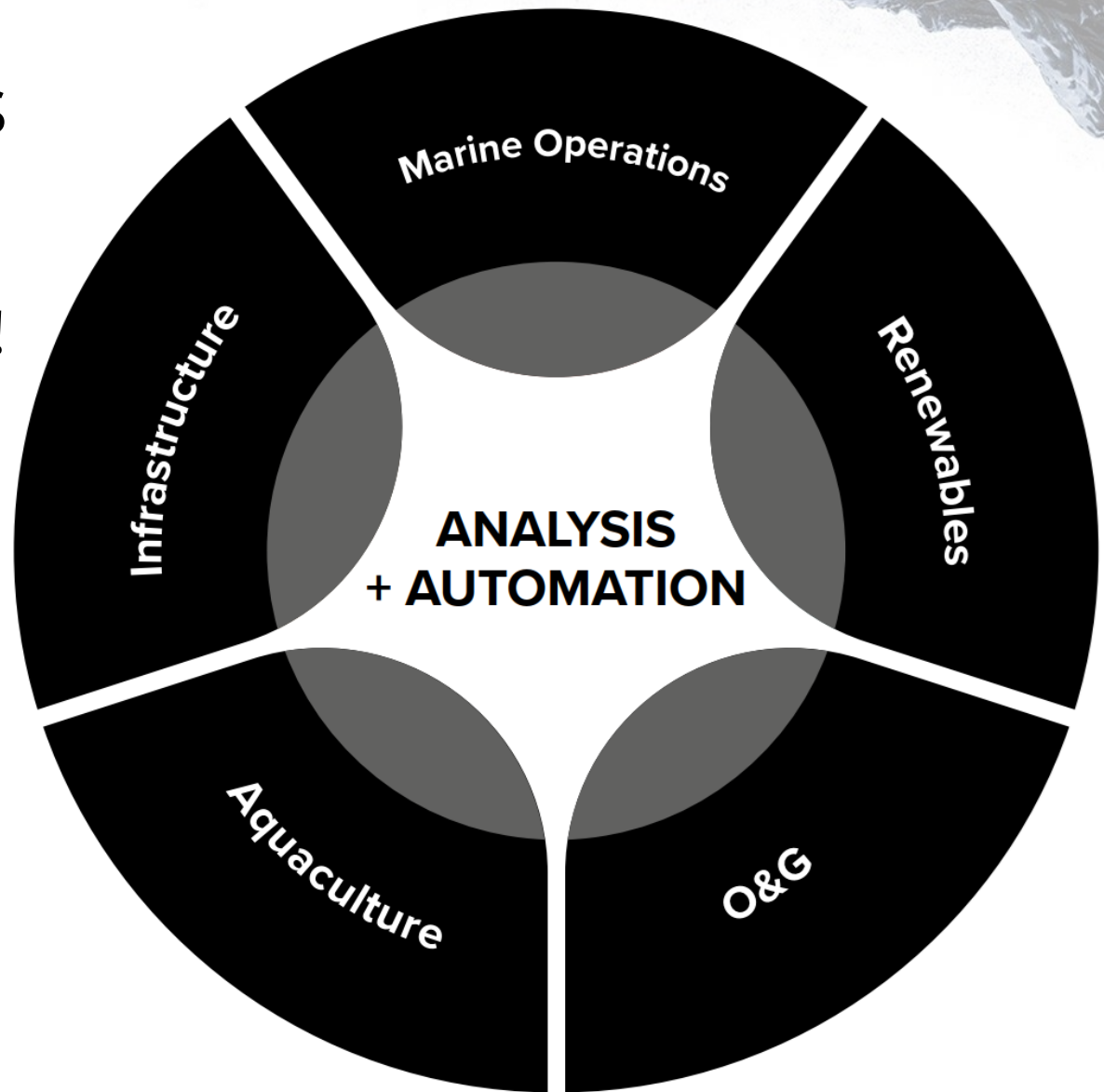
Long crested irregular waves



Short crested seas with spreading

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