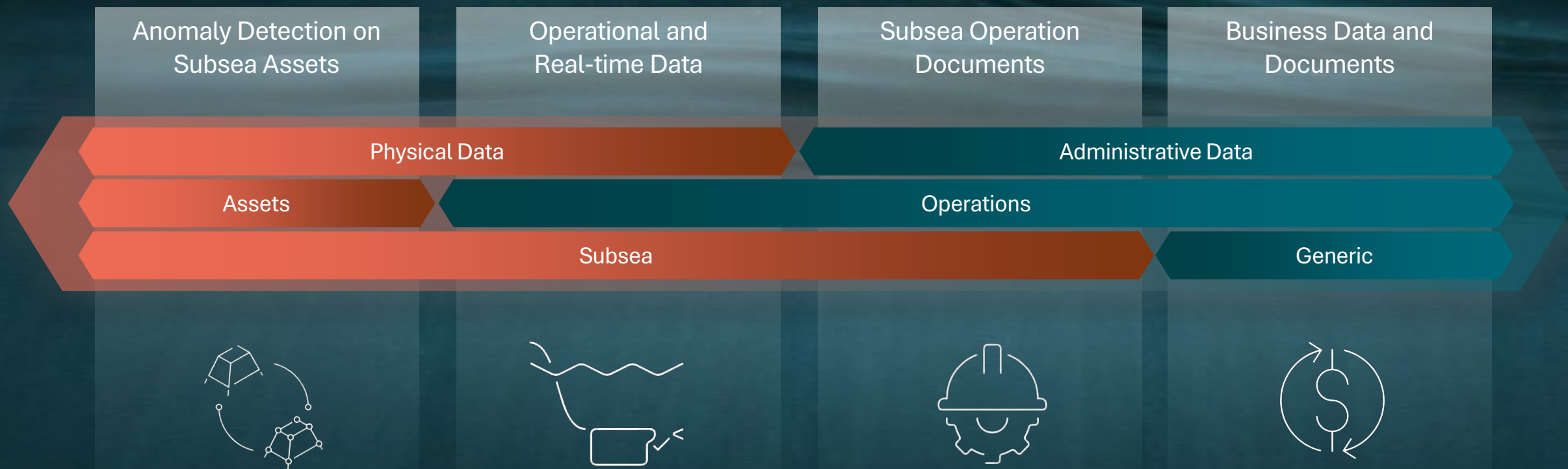


AI Meets Subsea: **Challenges Below the** **Surface**

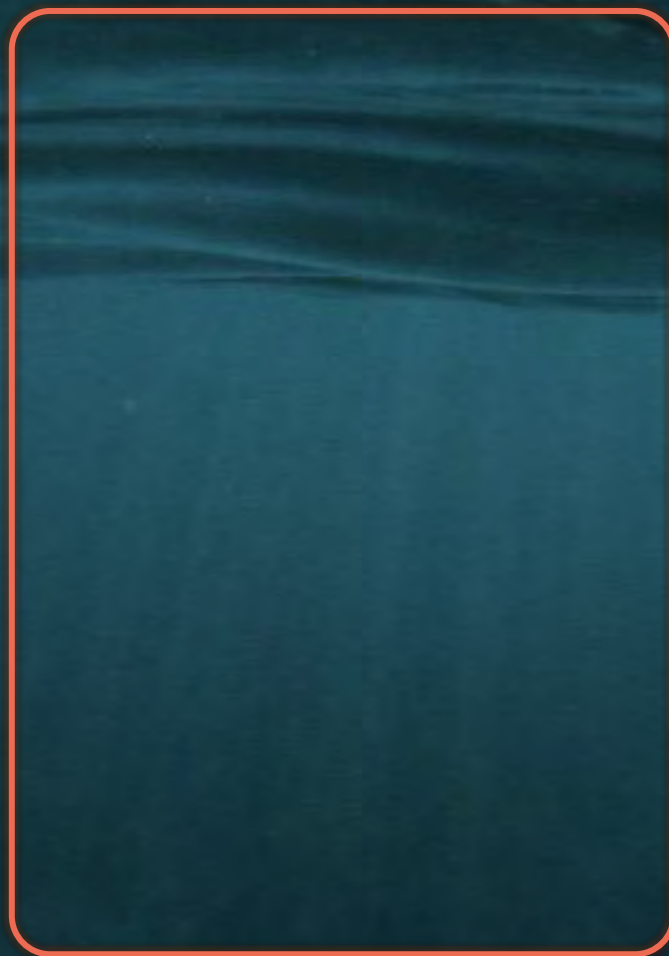
Frank Alexander Kraemer, PhD
Project and Development Manager

Subops 2026 Haugesund

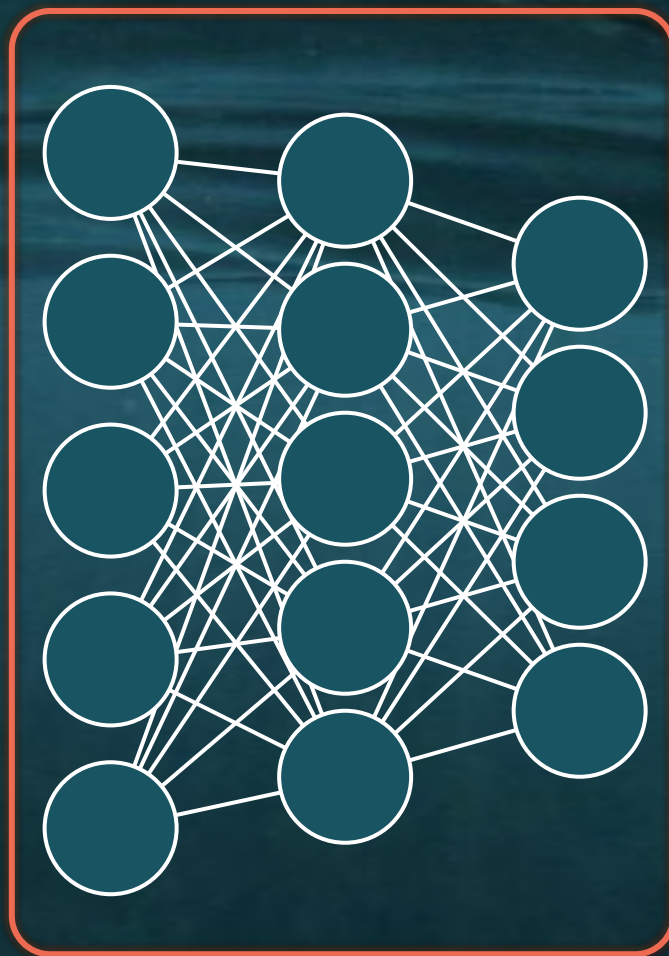
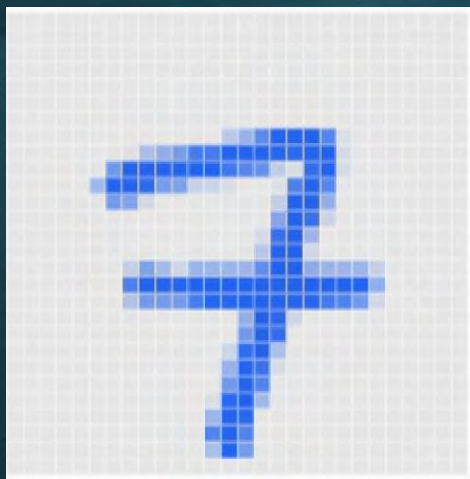


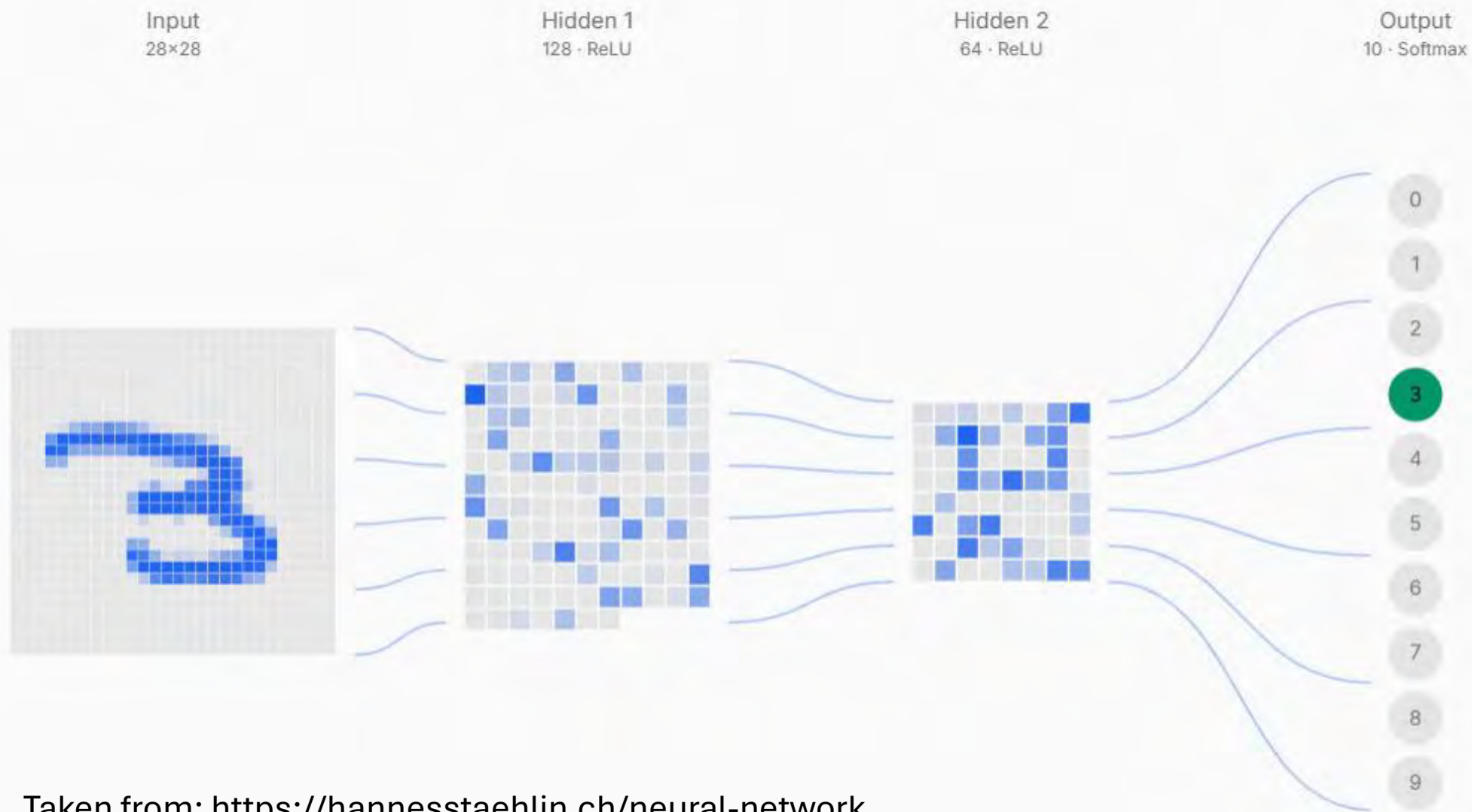


DeepOcean
Karmsundgata 74
5529 Haugesund

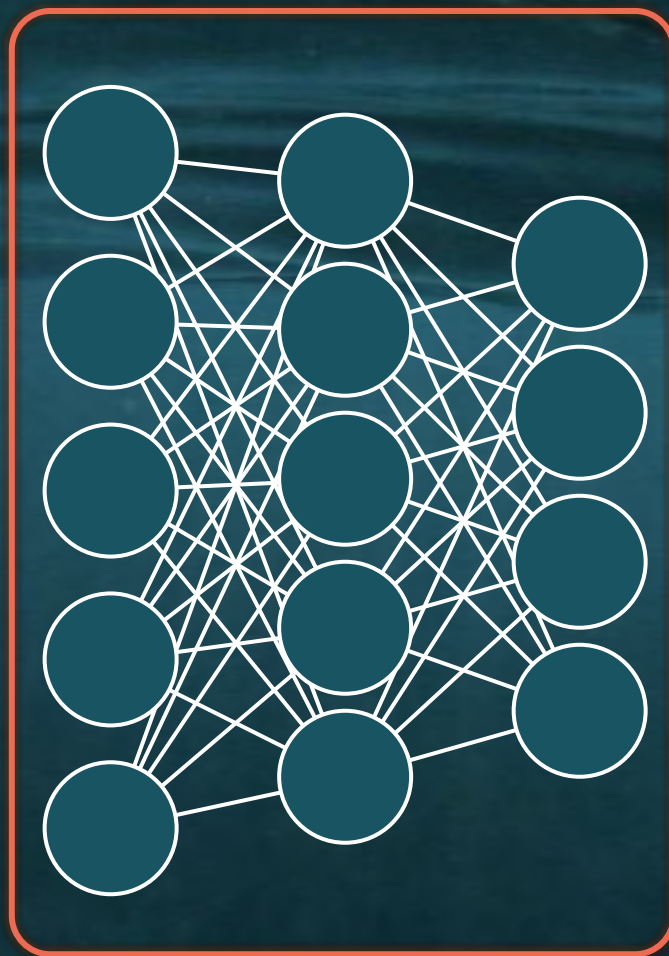


DeepOcean
Karmsundgata 74
5529 Haugesund





Taken from: <https://hannesstaehlin.ch/neural-network>



Debris

Anode

Rock Dump

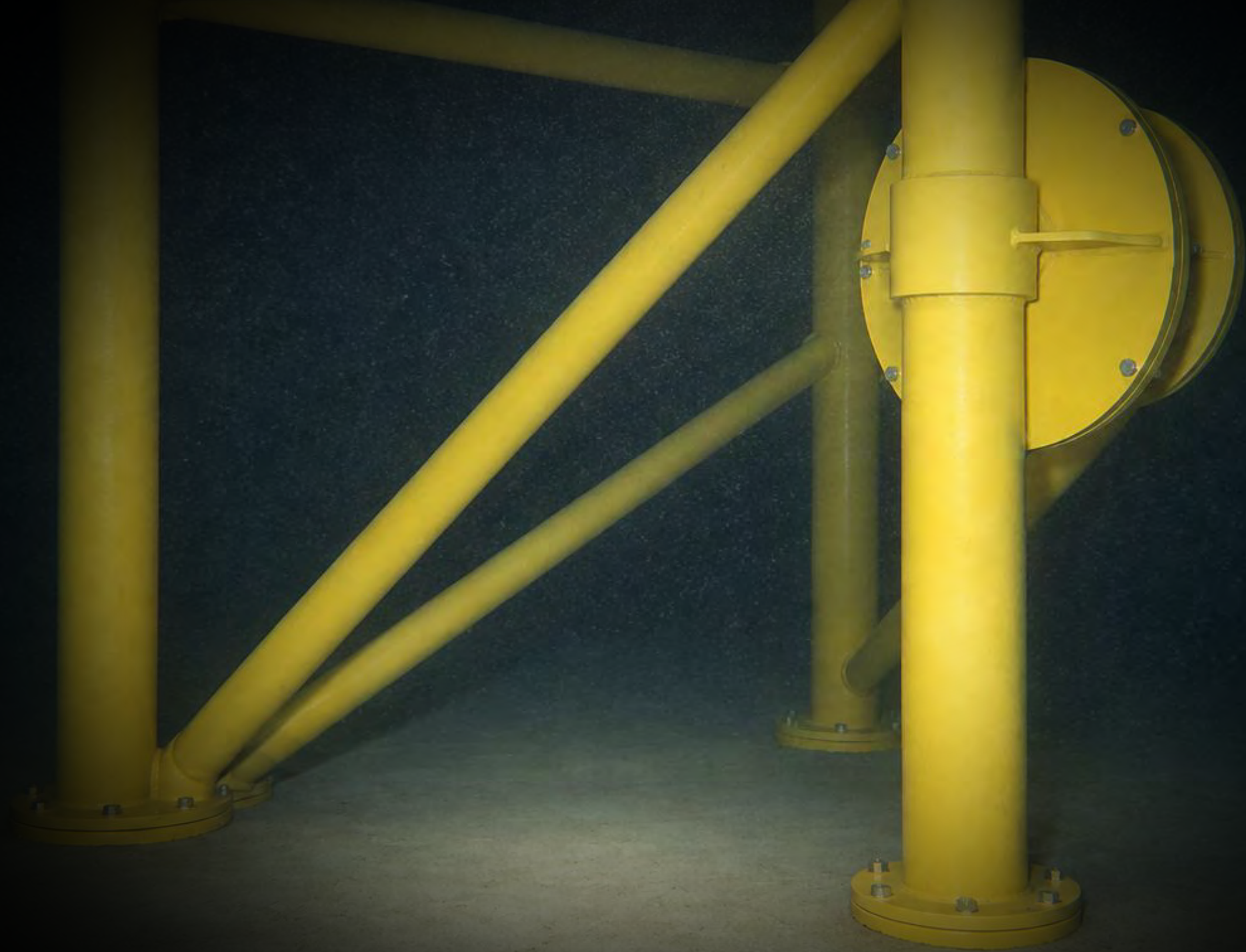
OK

Freespan

Field Joint

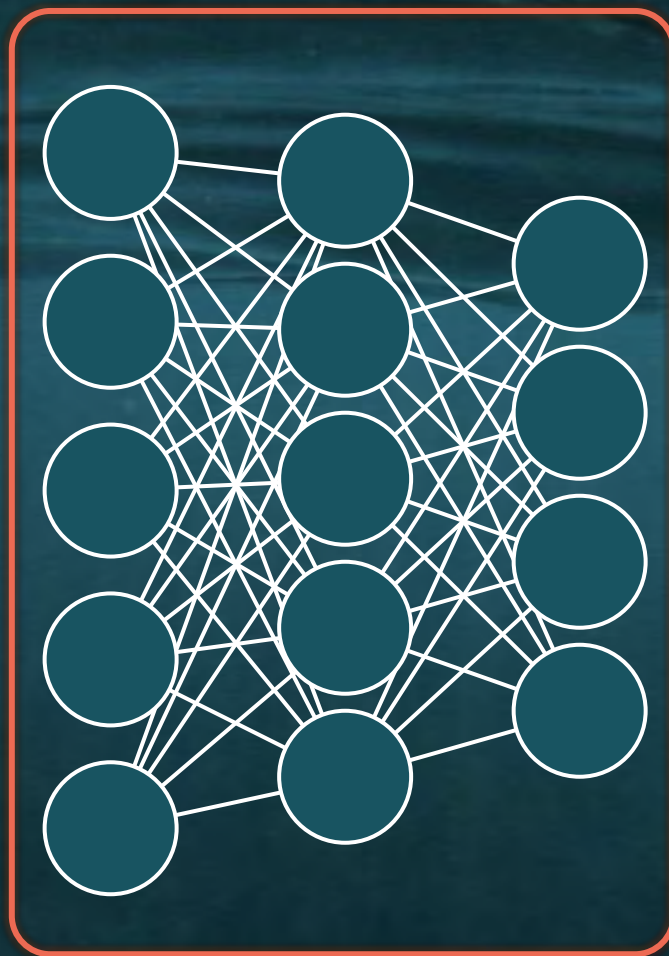
...











Debris

Anode

Rock Dump

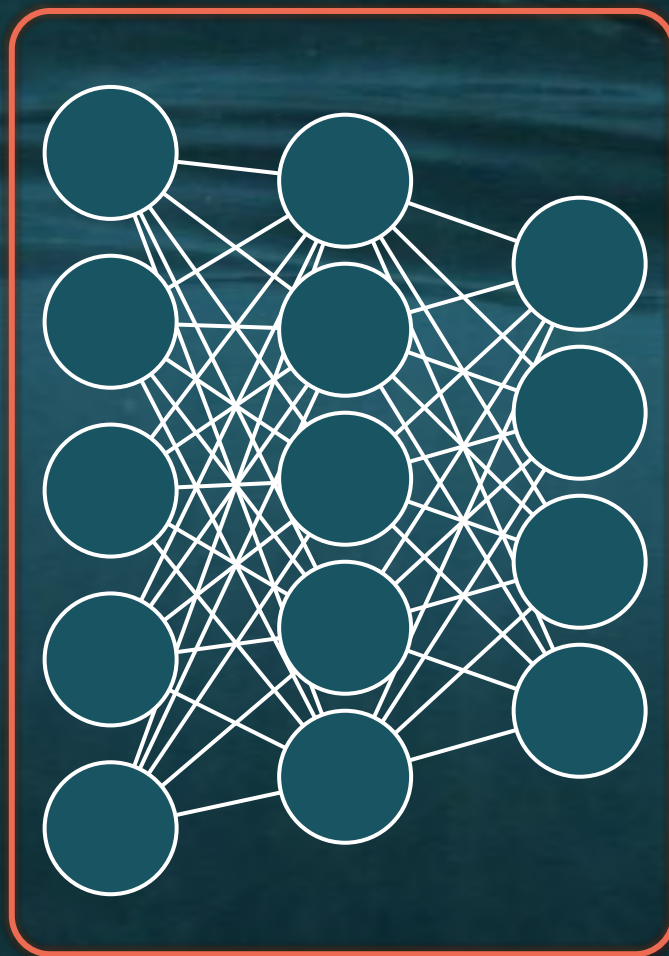
OK

Freespan

Field Joint

...





Debris

Anode

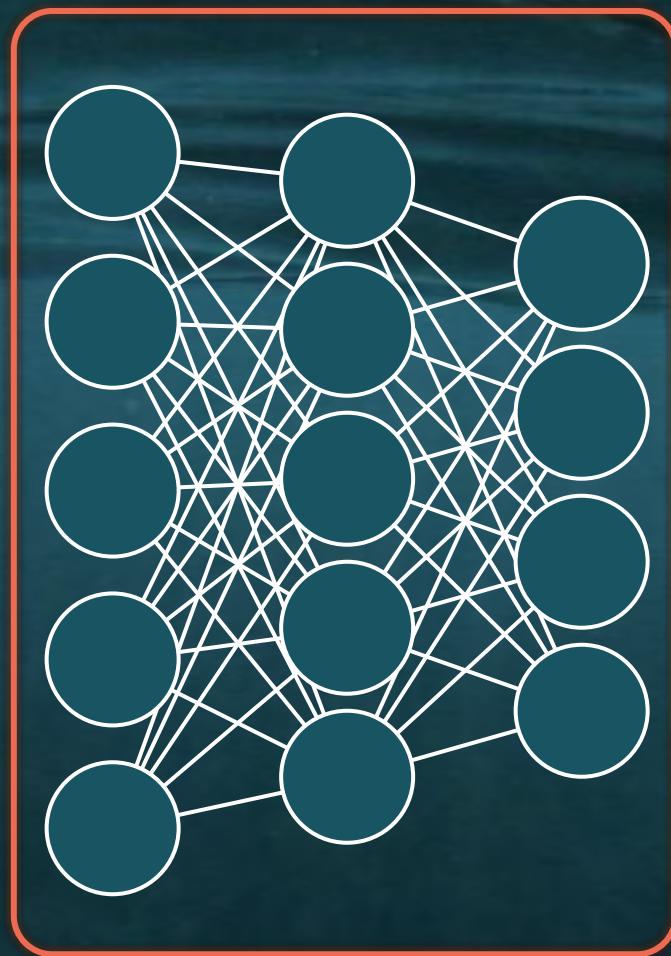
Rock Dump

OK

Freespan

Field Joint

...



Debris

Anode

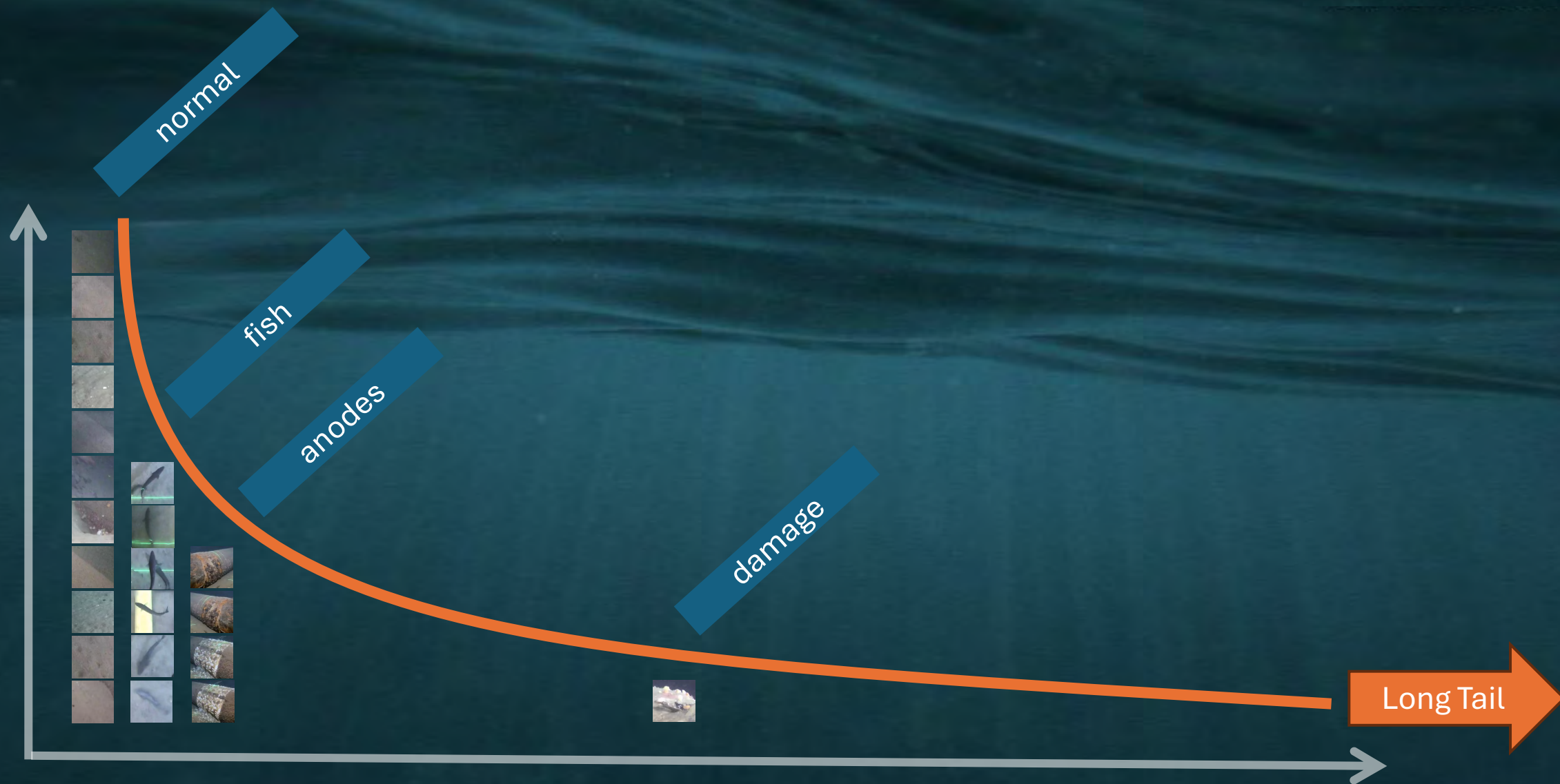
Rock Dump

OK

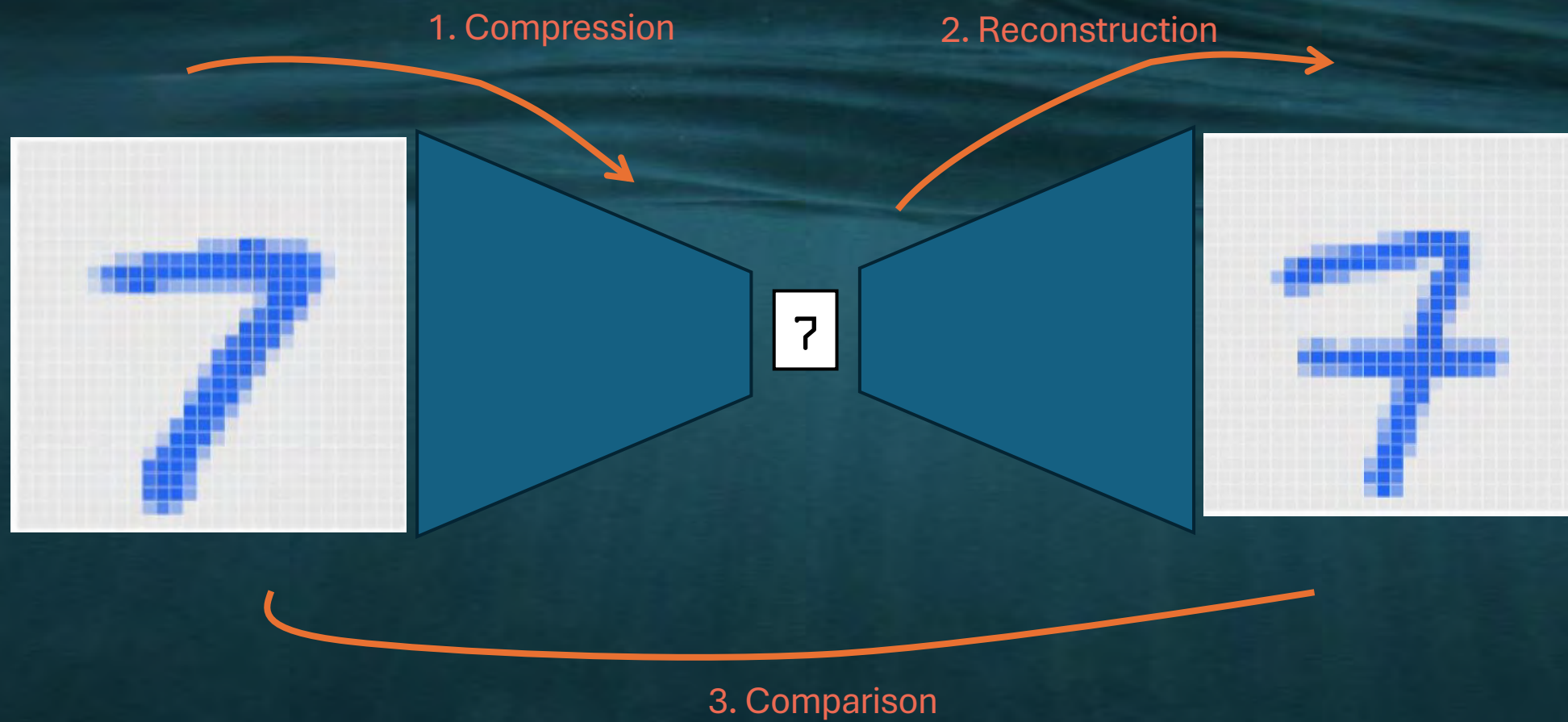
Freespan

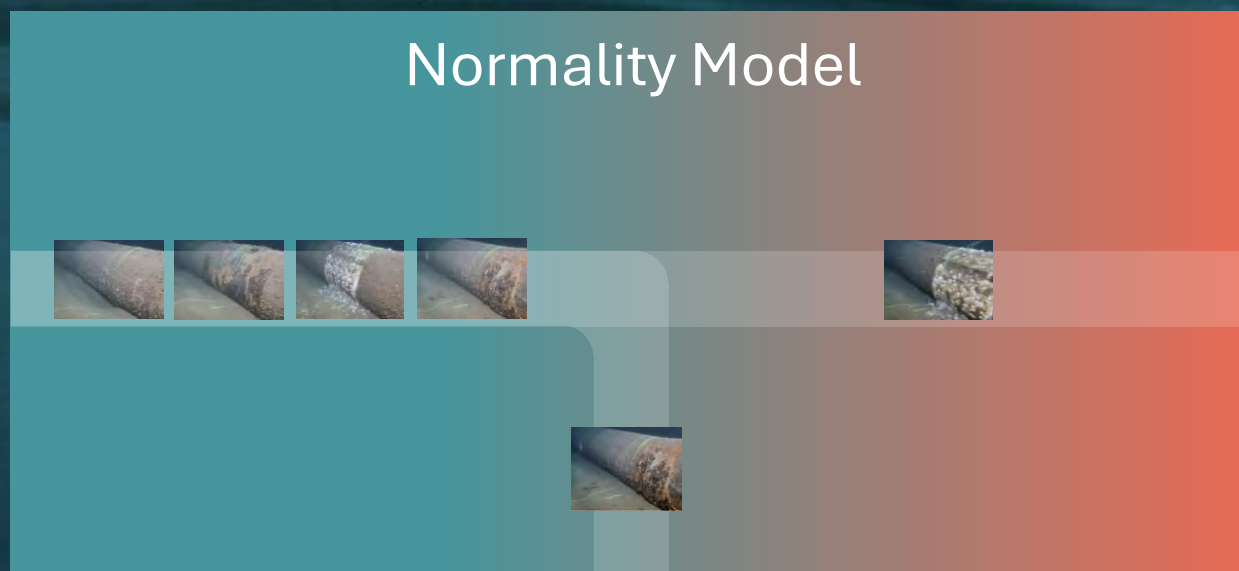
Field Joint

...



?

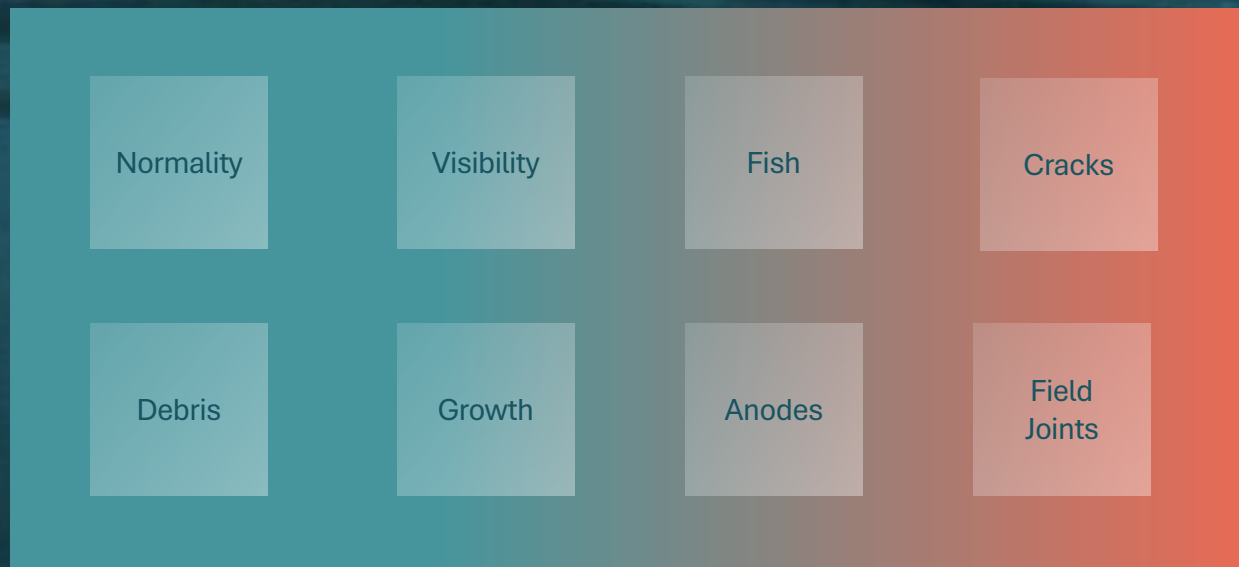




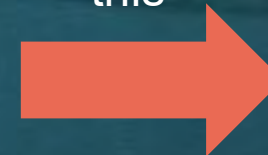
Nothing interesting
here

Look at this

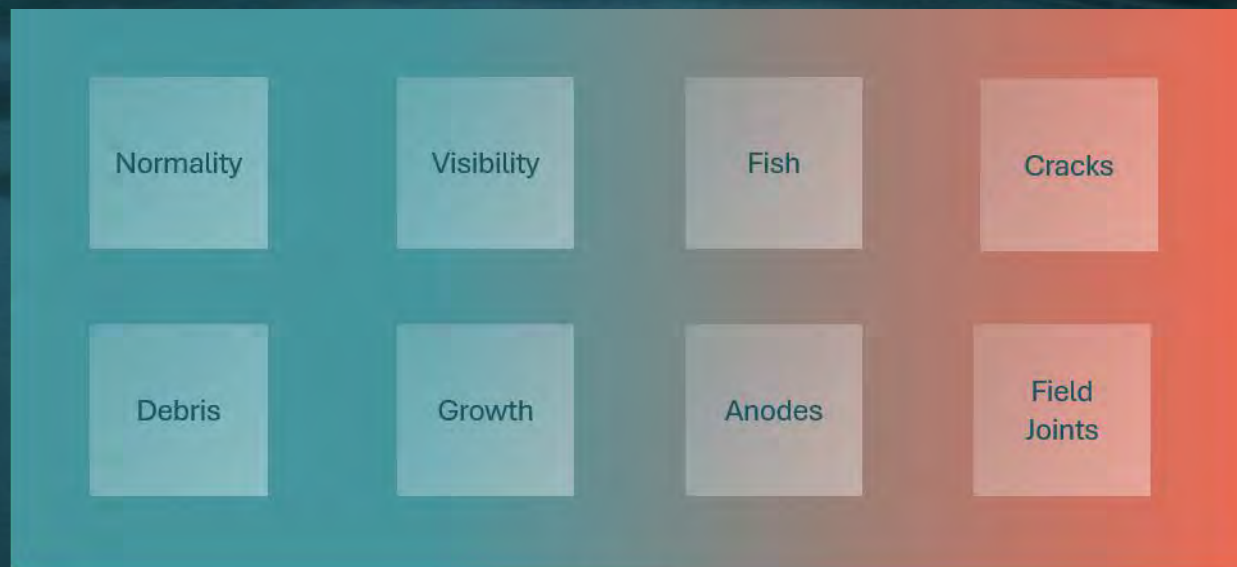
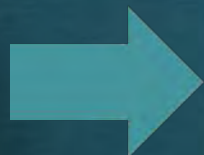




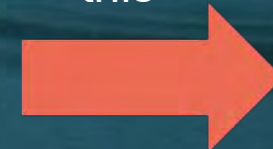
Look at
this



Nothing
interesting here

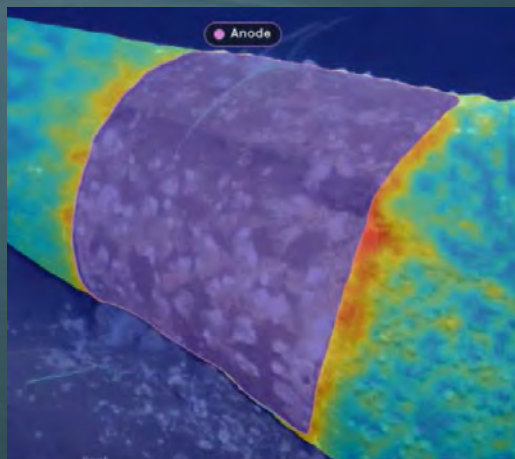


Look at
this

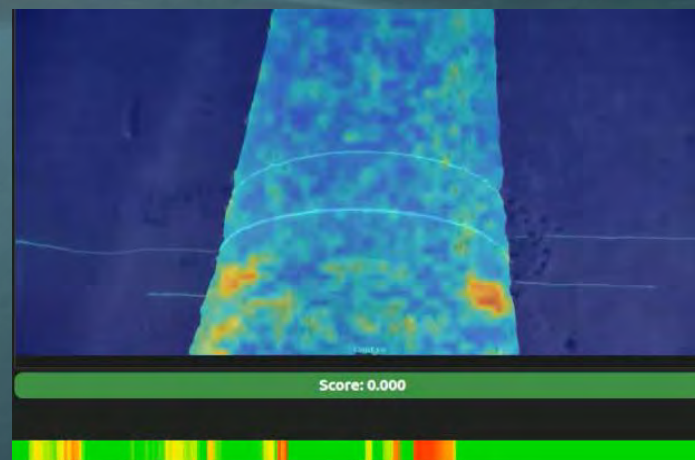


Nothing
interesting here

Model Metrics: Correct
Identification



Process Improvement: Ratio of
video that can be ignored



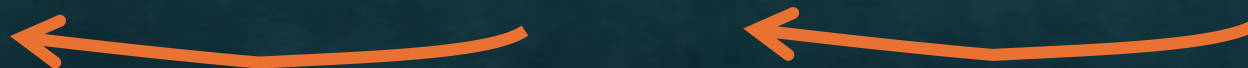
Time and Money Saved



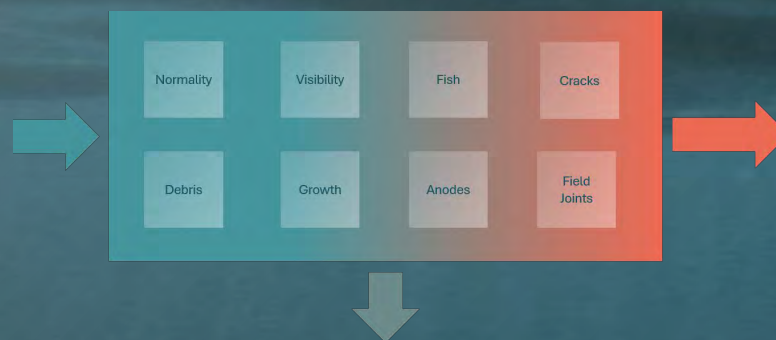
Guide the model

Guide the process

Final Business Impact



It's business development



Survey Experts



Management



Clients



Survey Experts



Management



Clients

Role

Triple role: product owners, domain experts and users

Product sponsors who carry the risk

Final consumers of results who decide what's «good enough»

Critical Insight

Closest collaborators and key to technical success

Requires sufficient understanding of how AI works to balance opportunity and risk

Key to developing a new, AI-driven products, beyond the traditional report



Download

HOW WE MAKE AI WORK

Our Playbook for AI Development

9 principles for the projects where
we build and train our own models

Swipe to see them all



DEEPOCEAN