

Can you have too much analysis ?

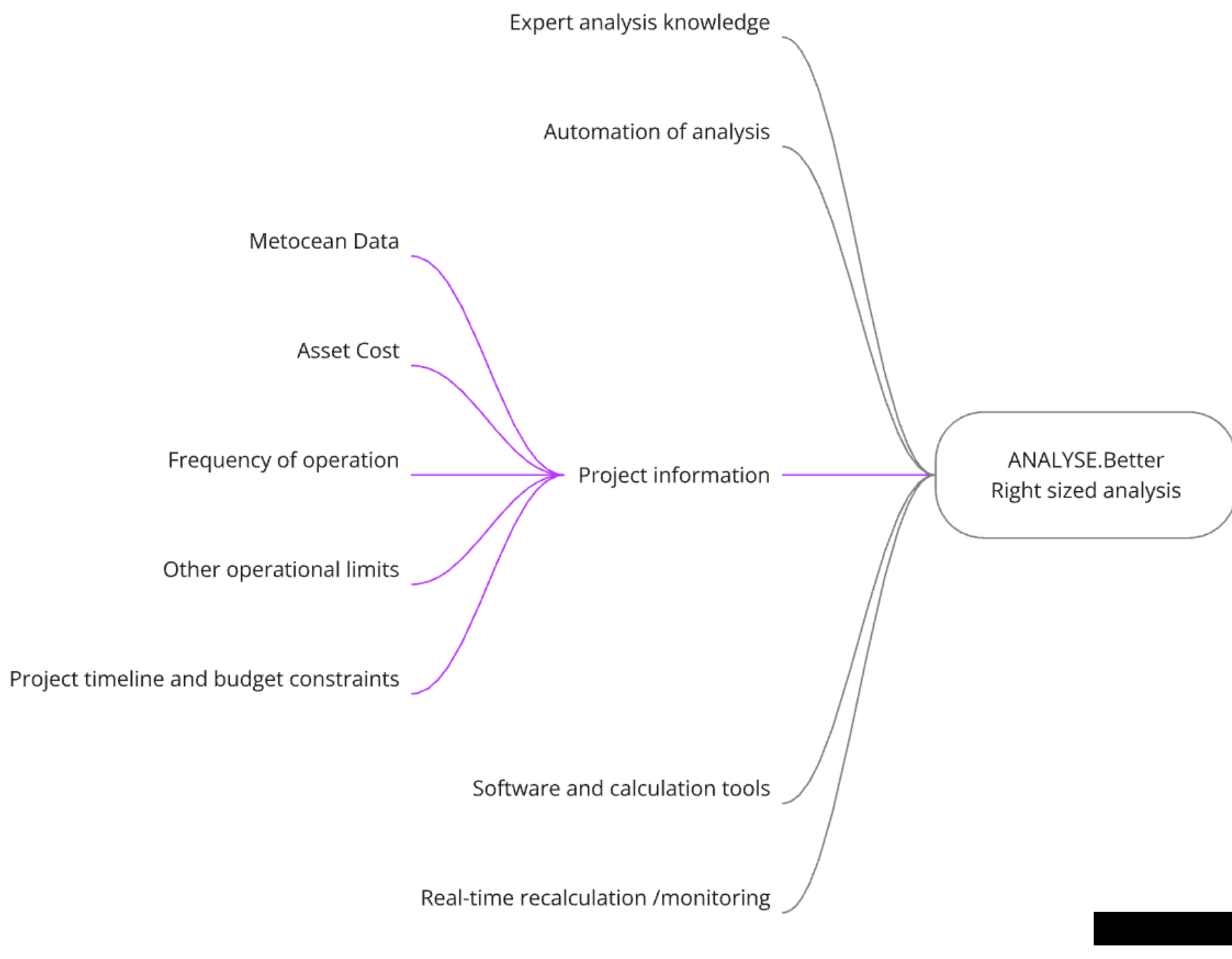


General Motors Technical Center in Warren Michigan.

As you know... We **LOVE** analysis but there can indeed be too much of it!

Here are some considerations for **right-sizing** your analysis...

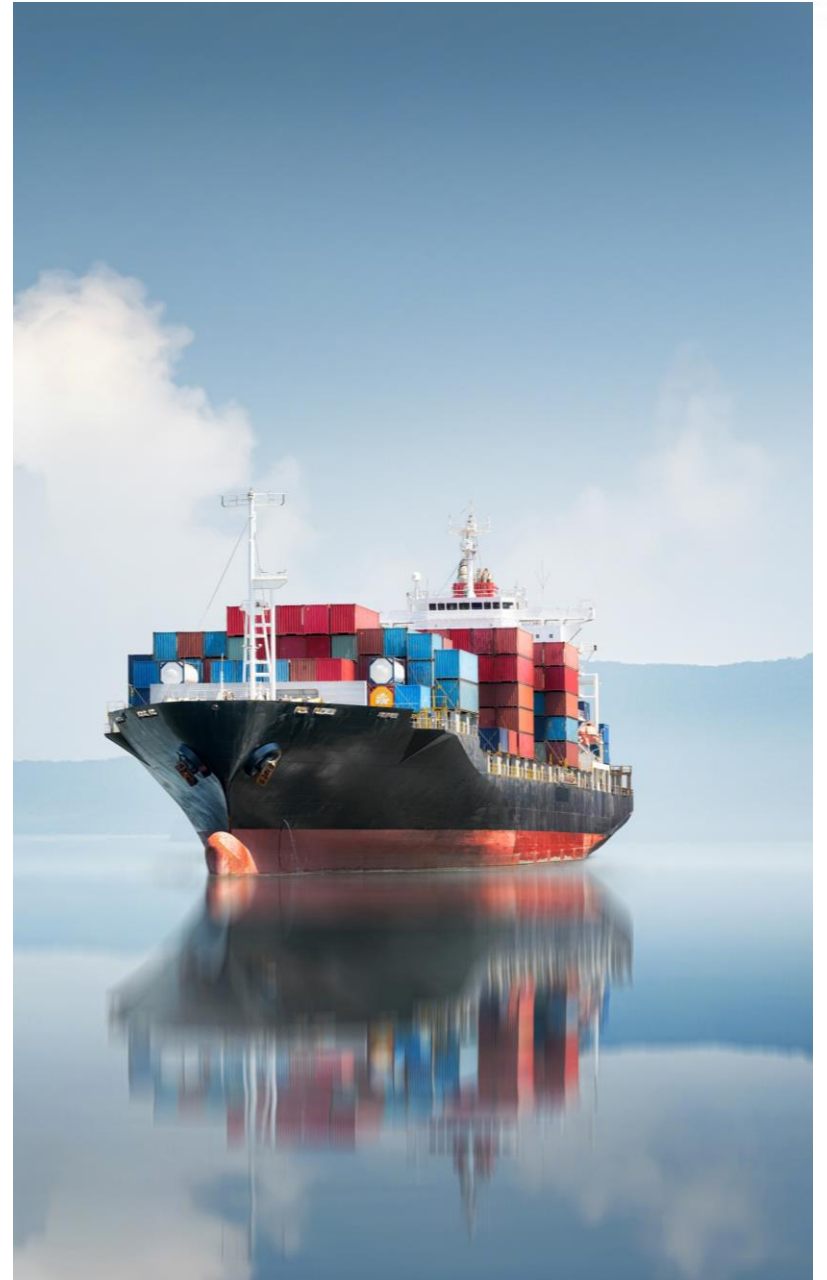




Metocean Data:

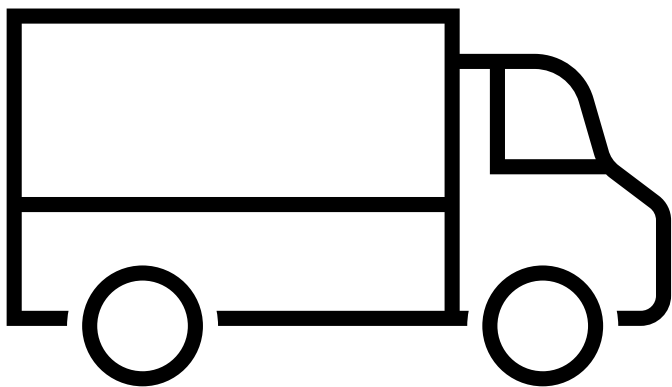
What are your wave limits compared to seasonal return value?

No need to optimize analysis results if design H_s is higher than the seasonal return values

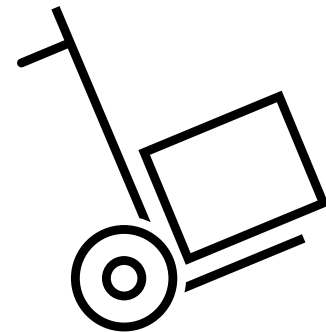


Asset Cost:

What is your dayrate and weather-risk?



VS



Frequency of operation:

70% uptime might be acceptable for a one-off operation

but

might not be feasible for an operation which will be performed 50 times



Other operational limits:

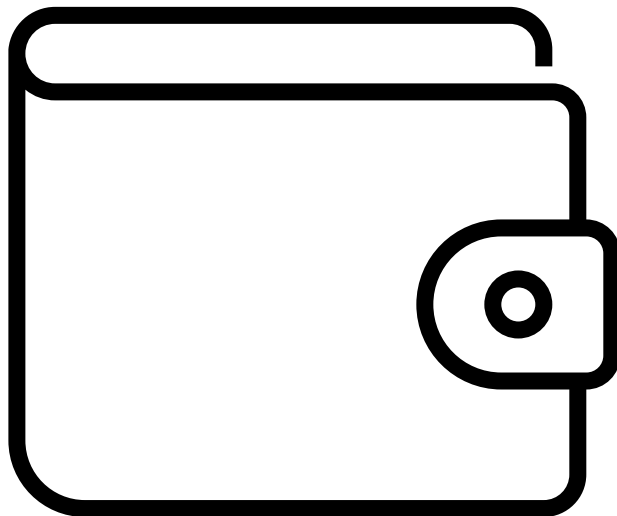
Consider other limits such as

- working on deck
- ROV-limits
- DP limits
- Drift on/off considerations



Budget constraints:

Analyses can be customized to fit most budgets



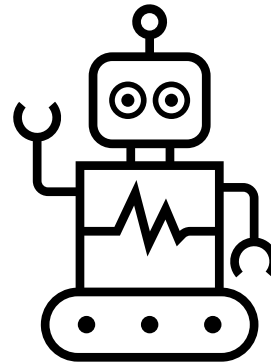
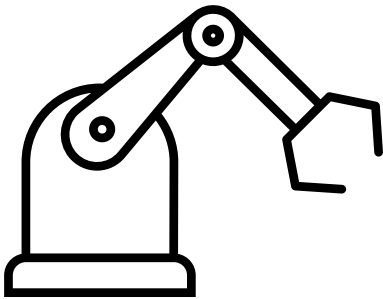
Expert knowledge:

Who would be the best team to solve this analysis?



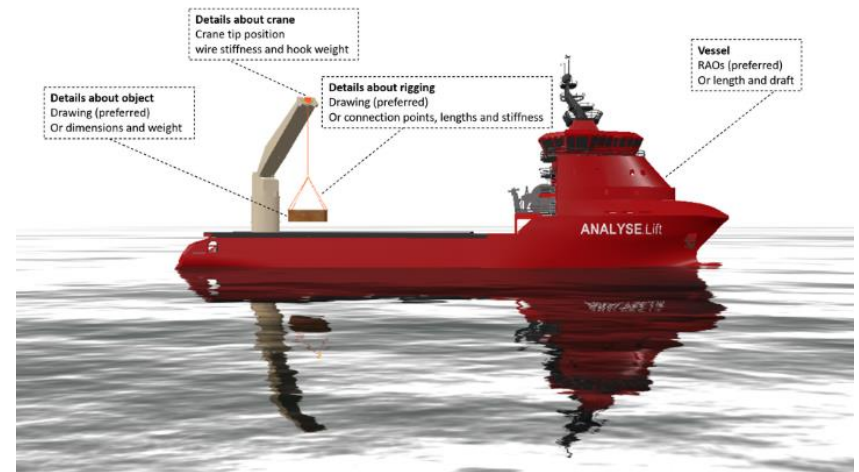
Automation:

Clever automation can increase analysis speed and quality of results by orders of magnitude



Software and Calculation tools:

- Hand Calcs
- Excel sheets
- Frequency domain
- Time domain
- Purpose made apps



(PS: Through automation the effort spent on time-domain analysis gets closer to the simpler approaches)



Real-Time recalculation and monitoring:

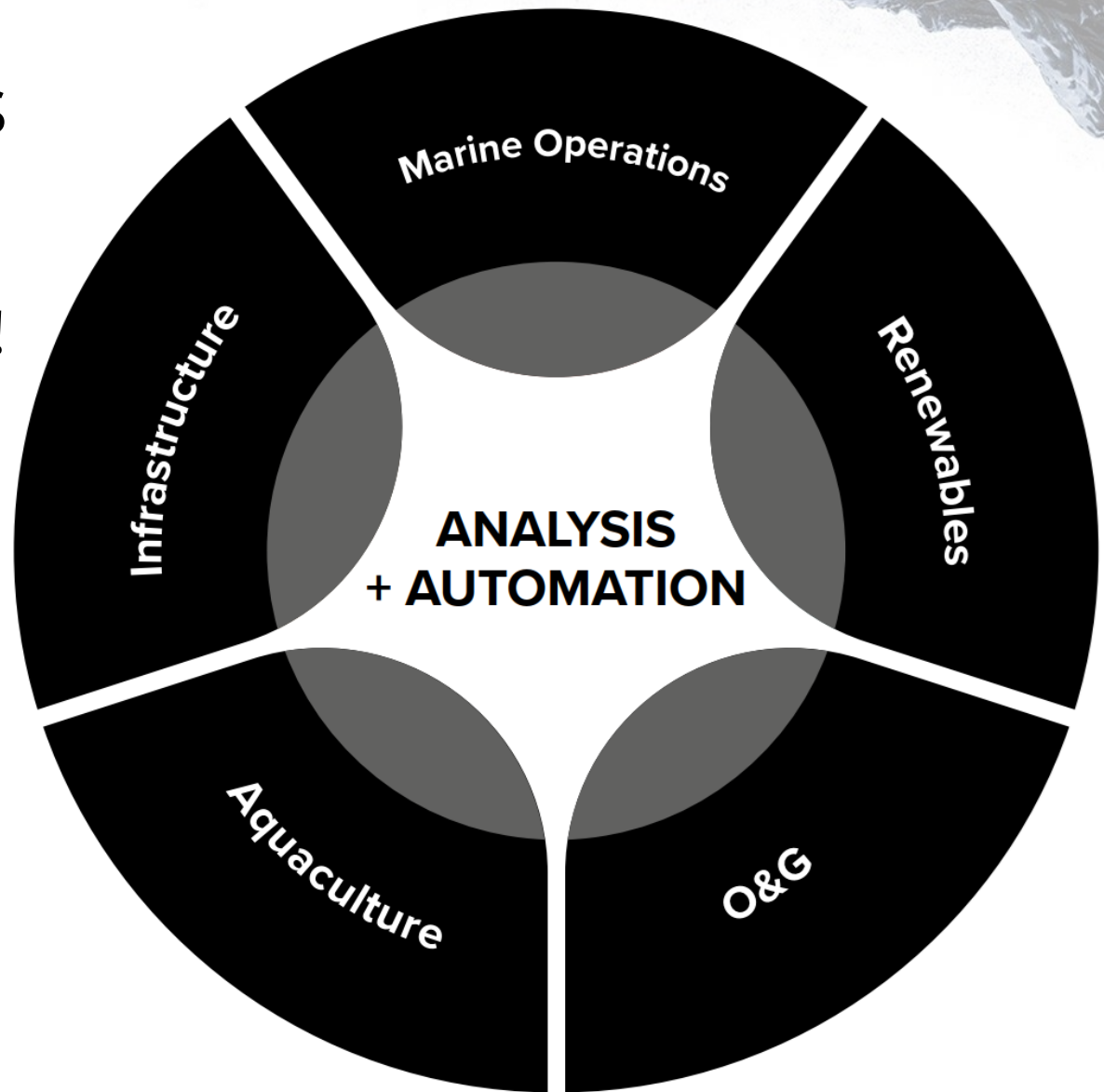
We will see more of this in the future.

Try to use the same tools for analysis as for real-time applications



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Want to discuss a project?

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2016

Founded



150+

Years of Analysis
Experience



100 %

Employee
owned