

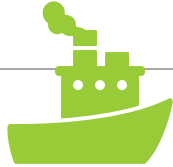
2.6% of global emissions!

$$\begin{aligned} E_t^{Trans} = & \sum_{s \in S} \sum_{b \in B} \left(\frac{BU_{s,b,t} \cdot d_s^{OPre} \cdot fc^{truck} \cdot eff \cdot 10^3}{LHV_b^{wet} \cdot \rho_b^{wet} \cdot \omega^{truck}} \right) \\ & + \sum_{s \in S} \sum_{r \in R} \sum_{i \in I} \left(\frac{TI_{s,r,i,t} \cdot d_{s,r}^{SR} \cdot fc^{truck} \cdot eff \cdot 10^3}{LHV_i^{dry} \cdot \rho_b^{dry} \cdot \omega^{truck}} \right) \\ & + \sum_{r \in R} \sum_{f \in F} \sum_{p \in P} \left(\frac{SF_{r,p,f,t} \cdot d_{r,p}^{RP} \cdot eff^{ship}}{LHV_f^{fuel}} \right) \quad \forall t \in T \end{aligned}$$



Less CO₂, more cargo

Problem – can we make cargo transport a little bit greener or has this ship sailed?



Transmetrics

Can we reduce old PSV
(platform supply vessel)
ships CO₂ emissions?

Answer is YES! - by
optimizing logistics!

What is out there?

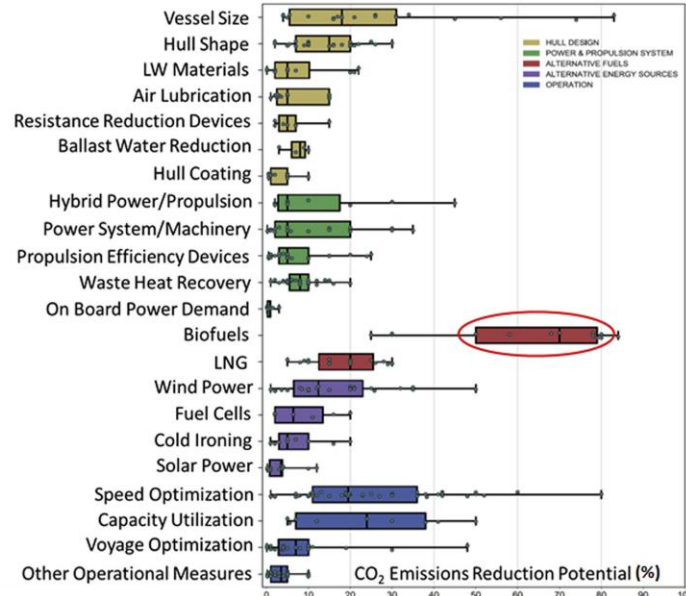
Why not use biofuels? Or
why not electric ships?



SEARATES
by DP WORLD



FREIGHTOS



	MDO	LNG	Methanol	Biofuel	Ammonia	Hydrogen	Battery
SOx, NOx, PM emissions	✗	✓	✓	✗	✓	✓	✓
Carbon (CO ₂) emissions	✗	✗	✓	✓	✓	✓	✓
Flammability	✓	✓	✓	✓	✓	✗	-
Toxicity	✓	✓	✓	✓	✗	✓	-
Technological maturity	✓	✓	✓	✓	✗	✗	✓
Energy cost	✓	✓	✓	✗	✗	✗	✗
Bunkering availability	✓	✓	✗	✗	✗	✗	✓

Target customer and market



Companies with non-electric PSVs still in use (lifespan up to 40 years)

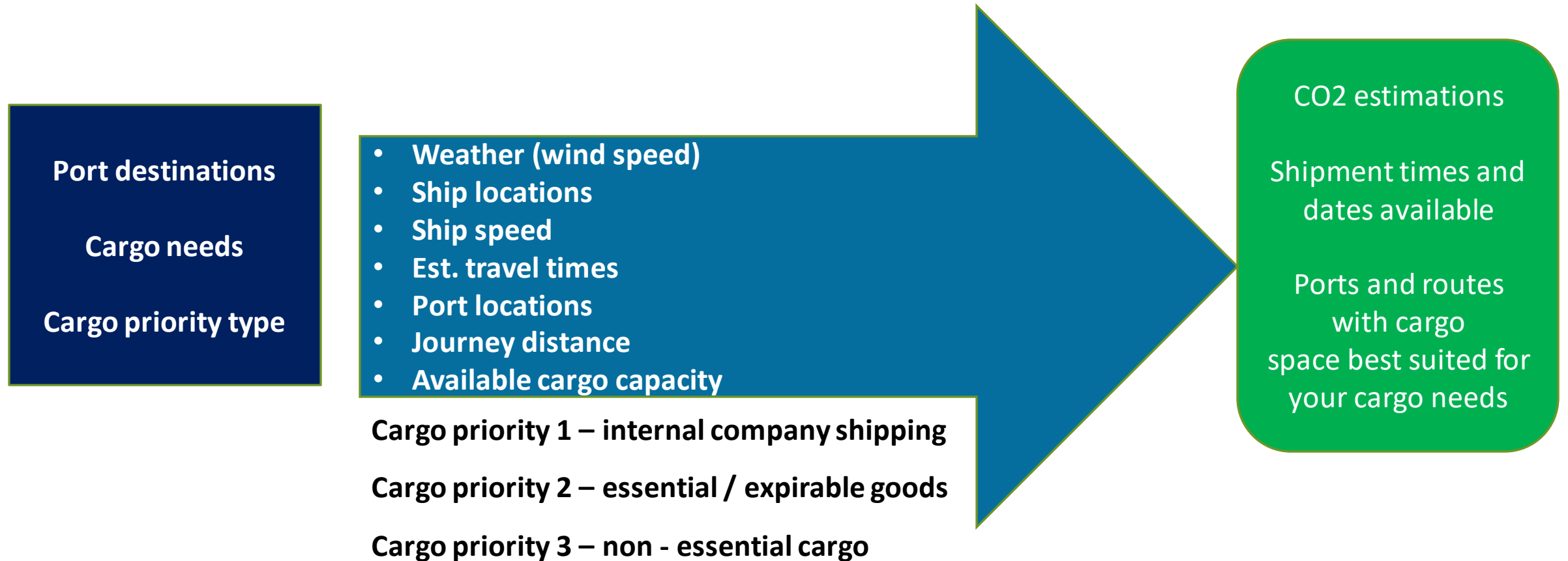


Globally cost-effectively and more environmentally friendly

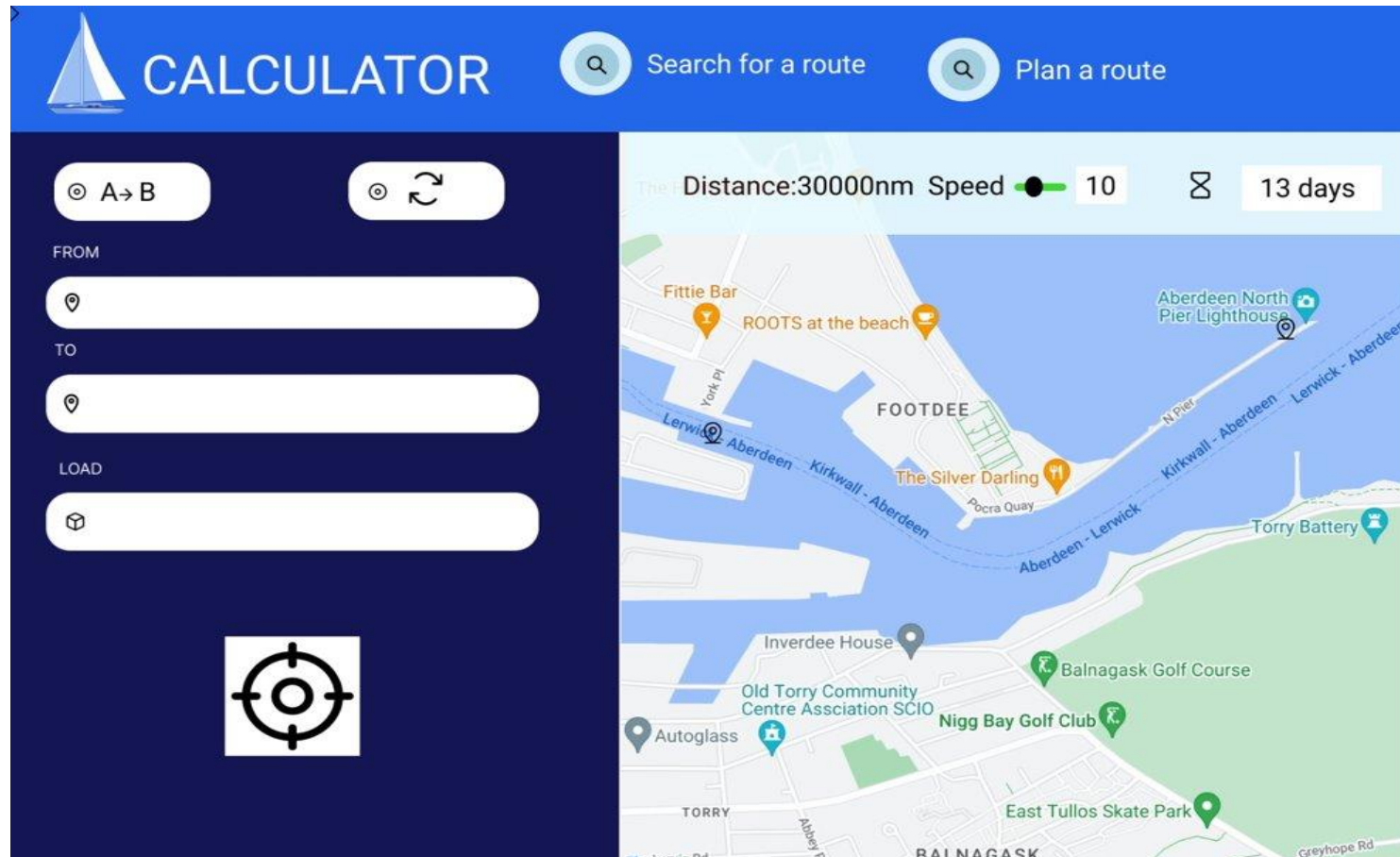


Clients who want to outsource shipping to other companies to avoid overload of ships and help reduce empty journeys after unloading of cargo

Product - Vessel emissions calculator



How the technology works?



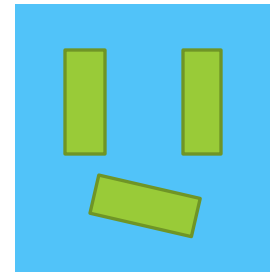
Next steps



Web App



Mobile App



Automation with
machine learning


Would you like to hop on board with the crew?



Wojciech Bock · 1st
Student at Dundee and Angus College
Dundee and Angus College




Nana Yaw Ankomah · 2nd
Data Scientist || Machine Learning Engineer
Aberdeen, Scotland, United Kingdom · 240



Doroteya Stoyanova · 1st
Computing Science Student
University of Aberdeen · University of Aberdeen



TEMITOPE ADETUNJI · 1st
Master's Student @ Robert Gordon University ||
Researcher || TEDx Trained Speaker || Content Creator ||
Motivational Speaker || Storyteller || Purpose Evangelist



Boryana Tomova
Biotechnology at University of Oslo
Universitetet i Oslo (UiO)

Thank you for
your attention!

