



Hosted by





Data Quality & Validation

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Presented by





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Greg Linton

Senior Product Manager

Greg Linton is a Senior Product Manager at ABS Wavesight. In his role, he leads the product management rebuild of the My Digital Fleet product.

Greg has 10 years of software product management experience across various sectors including manufacturing and oil and gas. He graduated from Leeds University in the United Kingdom with a Bachelor of Science in Biology, and a Masters in Business and marketing.



Divya Iyer

Product Manager

Divya Iyer is a Product Manager at ABS Wavesight, she is part of the product management and user experience team. Divya's primary focus is on product lifecycle management (ABS Wavesight Product-My Digital Fleet).

Divya has 16+ years of experience in the maritime industry. Prior to joining ABS Wavesight, Divya worked as an engineer onboard oil/gas tankers with Chevron, where she sailed as a Second Assistant Engineer and later as a Vessel Performance Manager with Maersk Tankers managing fuel optimization and energy efficiency for their commercial pool vessels.



Angelos Apostolopoulos

Senior Product Manager

Background

- A. Maritime industry is in process of digitalization/IOT transformation.
- B. Which means data, and that vessels have a lot of it available.
- C. There are many uses cases that vessel operational data is needed to support.

Objective

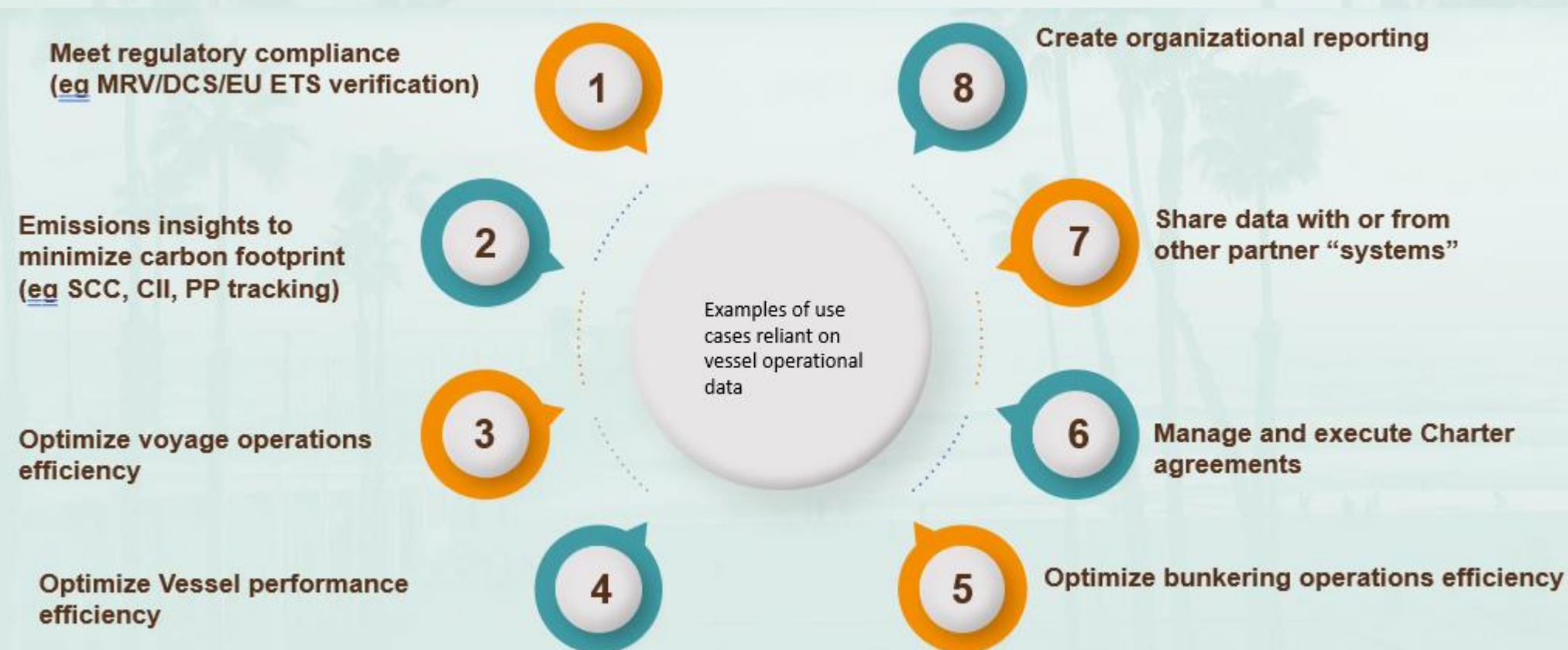
Learn from organizations in the room:

- What challenges you're facing with this process
- How you're handling these steps today



But first, to kick off the discussion:

What are the main use cases you/your organization rely on vessel operational data for today?



Data Collection

Vessel Reports

1. Does your organization primarily rely on vessel reports today for collecting vessel operational data?
2. What reporting system(s) or formats do you use for collecting vessel operational data today?
3. What are the key challenges you face today with trusting your vessel report data?
4. Do you have an approval system for vessel reports?
5. How manual is this process of collecting information (vs measuring instruments, eg flow/torque meters, tank gauges etc)

Sensors

1. Do you have sensors equipped on your vessels?
2. What sensor providers do you use on your vessels?
3. Do you use sensor data for collecting and reporting vessel operational data? If not, why not?
4. What are the key challenges you face today with trusting sensor data? OR key challenges with using sensor data?

Data Standardization

Standardization for vessel report

1. Does your organization leverage any industry or third-party standardization for operational data collection? And if so, what?
2. Have you heard of Smart Maritime Network noon report dataset standard?
3. What are the key challenges your organization faces with rolling out standardization for your vessel reporting?

Standardization for sensor data

1. Is your organization using a third-party sensor provider to collect & standardize your data for you? Or are you building your own sensor gateway?
2. What are the key challenges your organization faces with getting sensor data off your vessels?

Data Validation

Basic sanity checking (on the same dataset)

1. Are there any examples of validation use cases you can share which you know today need to be performed on the same vessel operational dataset (eg vessel report, or sensor dataset) for your organization?
2. What are the challenges you're facing with this today?

Advanced sanity checking (comparing with supplementary datasets)

1. Are there any examples of validation use cases you can share which you know today need to be performed using other datasets for your organization?
2. What are the challenges you're facing with this today?

Data Enrichment

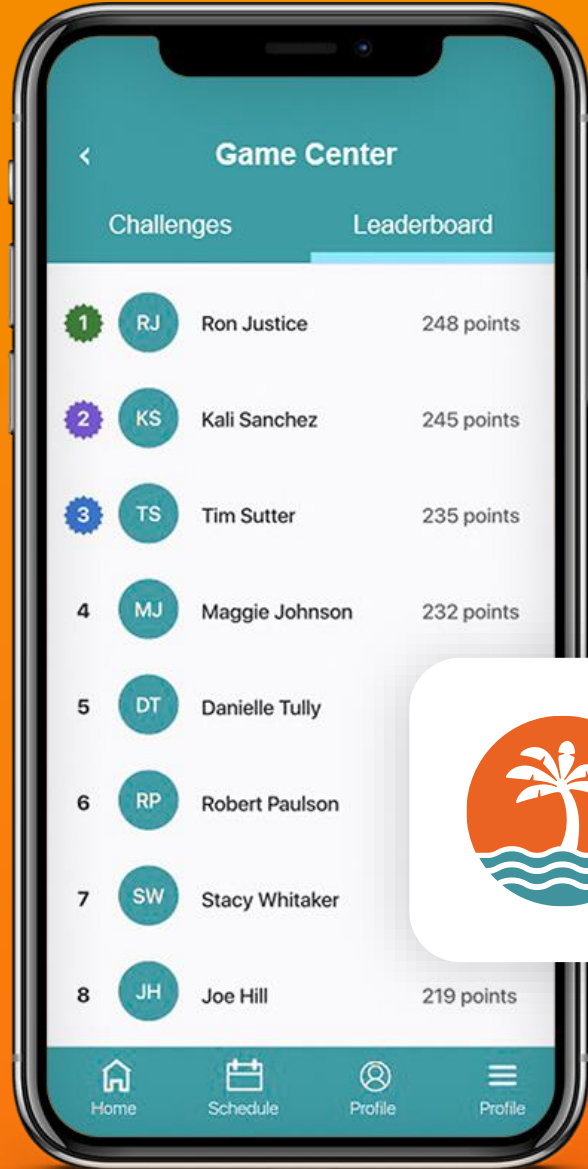
Using supplementary datasets to add/modify/change vessel operation dataset

1. Are there any examples of enrichment use cases you can share which you know today need to be performed on the same vessel operational dataset (eg vessel report, or sensor dataset) for your organization?
2. What are the challenges you're facing with this today?

Data Quality

Measuring the quality of your operational data

1. What are you using today as a framework to measure your organization's operational vessel data quality?
2. What challenges are you facing with applying a data quality measure to your process?



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