



Future of Sustainable Shipping

Ships coatings: a sustainability partner for Shipping Industry

28th of June - 2017

Our story at Port & Shipping tech ?

2013: launch of intersleek 1100 fluoropolymer, heavy slime release, 100% biocide free

New Intersleek® 1100SR

***New patented
advanced
fluoropolymer
technology***

Slime release technology – long term efficiency improvements. Better resistance to weed and animal fouling – suitable for slow steaming.



Our story at Port & Shipping tech ?

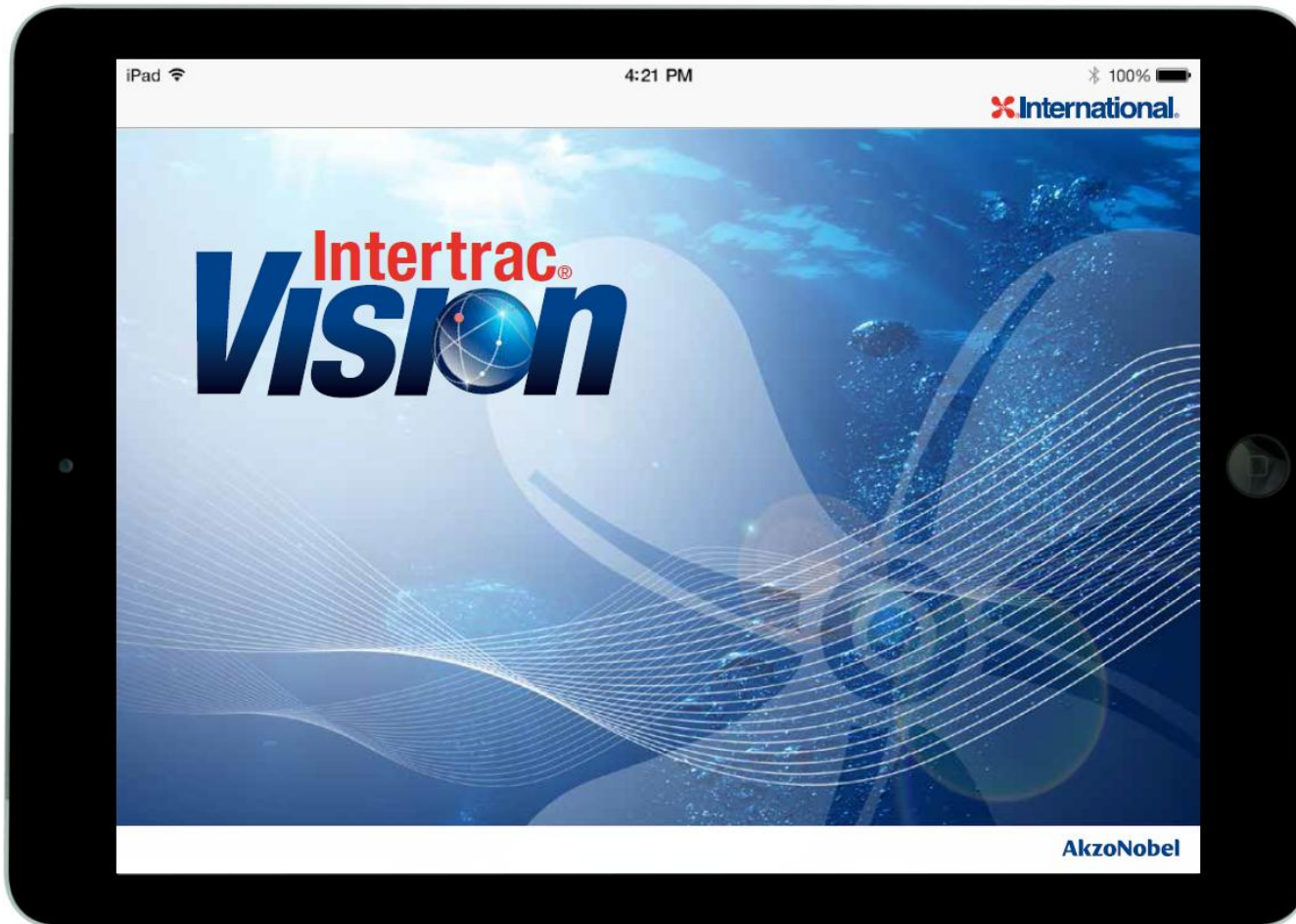
2014: The significant effect coatings companies can have on measuring and improving Ships Energy efficiencies”: intertract, guarantee, choice of right product etc... (not only the product but also services)

2015: Can Emission Reductions be a Source of Finance? Launch of carbon credit initiative

The benefits of generating voluntary carbon credits to the Marine Industry are wide ranging

- ↪ Helps to remove technology investment barriers resulting from the owner/charterer relationship as the company which invests in the technology gets the benefit
- ↪ Externally validated fuel and emission savings
- ↪ Proven reduction in environmental impact
- ↪ Significant positive impact on the environmental image of shipping
- ↪ External source of revenue to help investment in green technologies

2016: Intertract vision



The shipping industry's first enhanced consultancy tool providing ship operators with predictions on fuel and CO₂ saving potential of fouling control coatings



The Future of Sustainable Shipping

2017: A sustainable partner

- Continuous product developments
- Service provider
- IP becomes accountable partner in your hull performance

A sustainable partner

- Continuous product developments
 - INTERSLEEK 1100 fluoropolymer very low friction “BIOCIDE FREE” coating with 10 years scheme life duration
 - INTERSLEEK 1000 silicone based lanion technology, at very competitive cost could help the shipowner to enter in the foul release biocide free segment
 - Next Intersleek: ready for testing and full application late 2017/early 2018
 - INTERCEPT 8500 low friction, lubyon, biocide antifouling

INTERSLEEK 1100 fluoropolymer

- **1141** ships coated with Intersleek 1100
- **100% no biocide:** it will be OK irrespective of any future legislation
- **Low friction:** ultrasmooth surface, potential HR 60-70 mic.
- Easy removal of animal fouling and weed



Zero Biocides

- Elimination of biocides **prevents the release of chemicals** into the marine environment



Tanker: 24 months service, just very light colourless slime

YOUR DIGITAL VOYAGE WE MAKE IT POSSIBLE

MAKING WAY TO
THE FUTURE



Intertrac Vision
PREDICT



Intertrac
TRACK



New Interspec
SPECIFY



*Event Reporting
System*
REPORT



Intertrac OBM
MANAGE



Intertrac Perform
ASSAULT

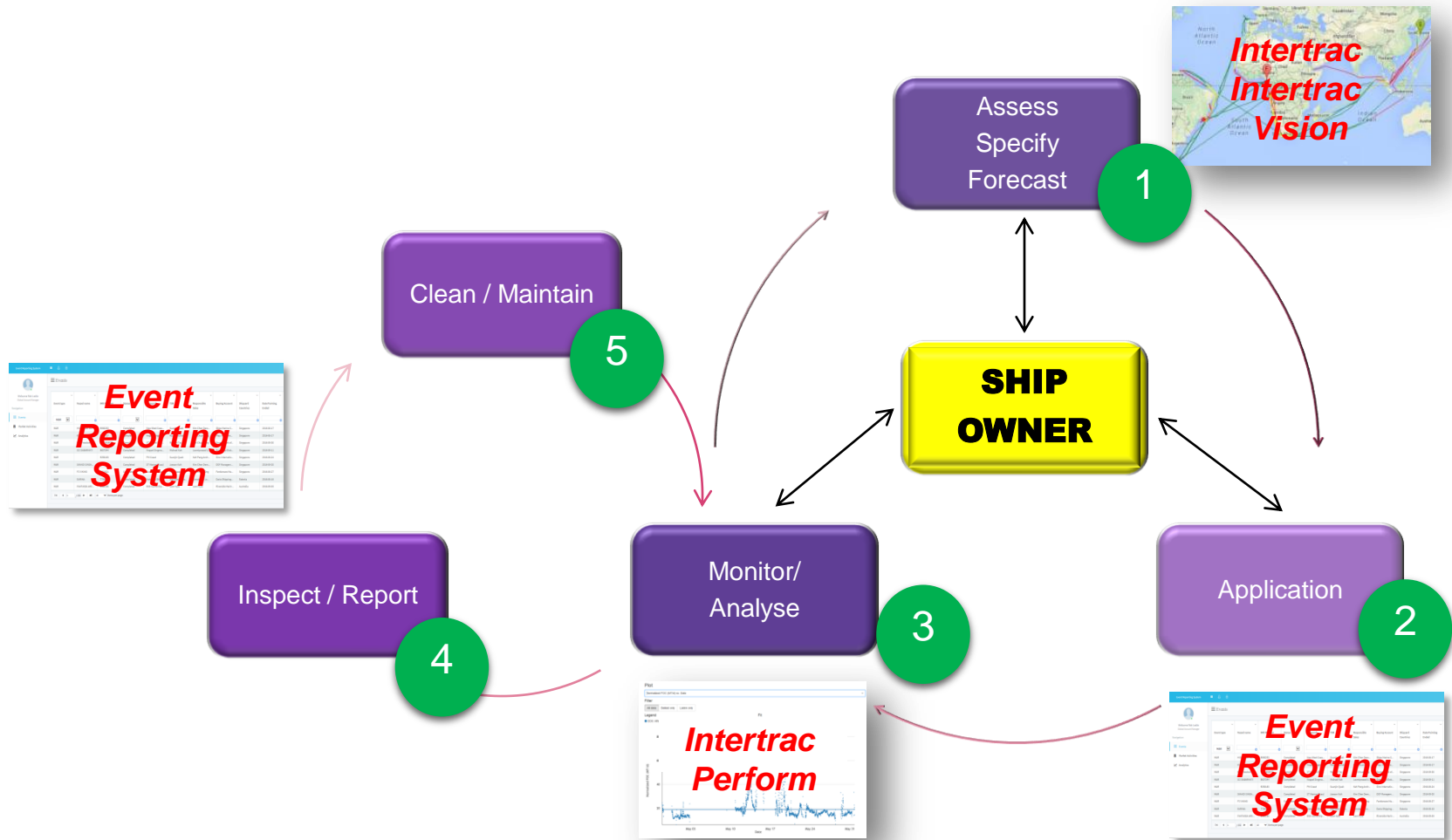


*International Marine
Coatings App*
ACCESS

Intertrac Management Services (IMS)

- Only Pay For Performance
 - Reduced up front charge (installation)
 - 3 month baseline period
 - Predictable monthly payments proportional to hull performance benefits
 - No monitoring charges
 - No hull cleaning costs
- IP becomes accountable partner in your hull performance

Intertrac Management Services



Benefits to Ship Owner

- Optimum hull performance
 - Reduced fuel consumption
 - Environmental impact
 - Happy charterer
 - Competitive edge
- Engaged, accountable hull performance partner
 - True hull performance guarantee
 - Spread of hull performance risk
 - Delegation of hull performance analysis & maintenance
 - Could comply with ISO19030
 - Increased focus on hull condition/care
 - Access to new coatings/hull optimisation technology
- Improved cash flow

Intertract OBM : on board maintenance



Port & Shipping tech 2017

International.

**SMART PURCHASING AND
HIGH PERFORMANCE
WE MAKE IT POSSIBLE**

- Greater transparency and control over OBM paint consumption
- Real time access to purchasing data and optimized solutions
- User friendly, self-explanatory interface

Intertract OBM

Get the full story at : www.international-marine.com/Seastores
marine.communication@akzonobel.com

Contact with us at:

AkzoNobel

Intertrac OBM

What is Intertrac OBM?

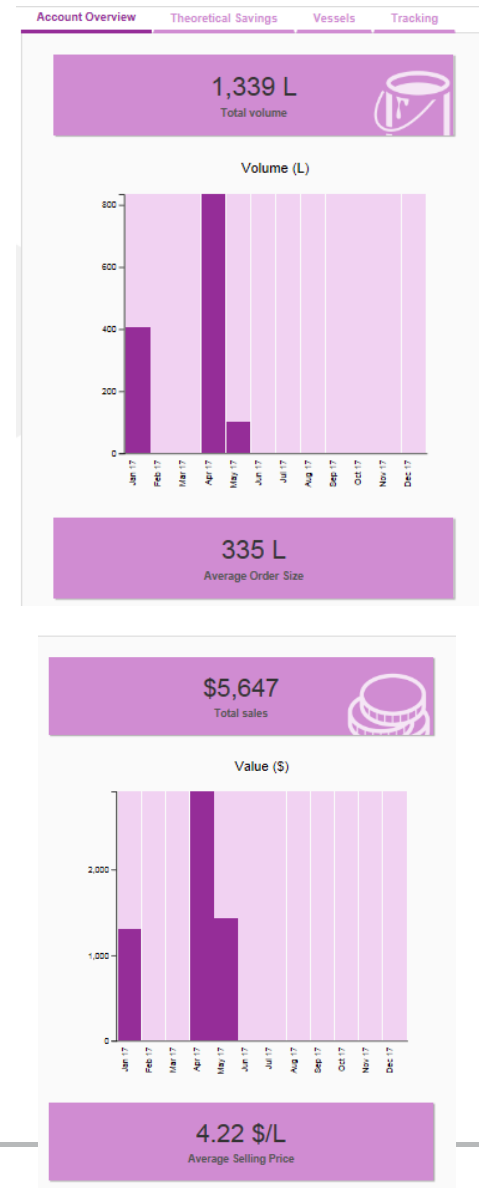
- Intertrac OBM is an online tool which records, visualises and analyses sea-stock purchasing patterns by vessel and fleet.

What metrics are visible?

- Volume, value, product, port, order frequency, order size. Small orders, thinner/paint ratio, key port usage, key product usage, historic vessel trade (AIS)*

How is Intertrac OBM useful?

- Measure:** *real time visibility of relevant measures for your sea stock purchase as a “health check” on sea-stock activity.*
- Action:** *steps for optimisation are suggested based on relevant KPIs.*
- Result:** *is reduced spend, and more efficient processes.*



International Paint APP



You can have direct access to:

- **Product data sheet**
- **MSDS**
- **Cargo resistance guide**
- **Product finder & description**
- **NEWS**

21 years Intersleek



Intersleek®

CELEBRATING *21 YEARS*



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