Idealship

Services towards an ideal ship operation.

Fuel is costly.

Fuel consumption is the biggest cost factor in vessel operation.
A fuel saving of 1% per year equals...

Type	Size	Savings in US $*	CO_2 Savings in tons
Product Tanker	50K dwt	20000 $	150
Container	5000 TEU	105000 $	720
Bulker	50K dwt	25000 $	180
Car Carrier	4000 CEU	55000 $	400
Cruise	1400 cabins	100000 $	700

*Saving per vessel, Fuel price 400 $ per mt.

"The fuel costs of a vessel are similar to staff costs of a medium size company."

Challenges & Opportunities

Market Rates vs. Fuel Prices

CO$_2$ SO$_x$ NO$_x$
Environmental Regulations 2020

Opportunities Through Digitalization

Avoid Overconsumption.

Fuel is wasted through sub-optimal operation in...

Voyage Performance
- Speed
- Weather Routing
- Loading Conditions

Energy Management
- Running Equipment
- Load Distribution on AE/SG
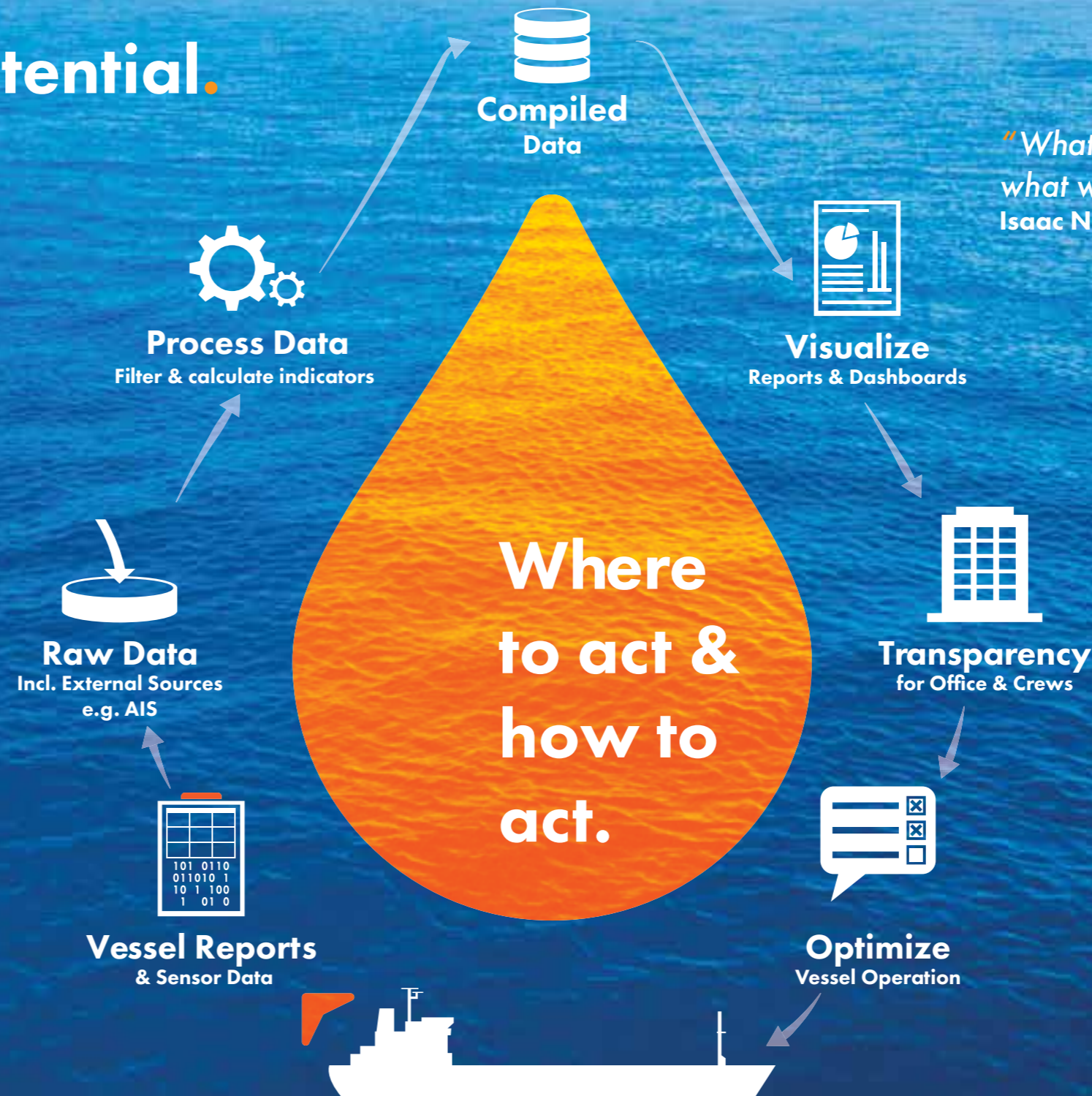- Boiler Operation

Propulsion Performance
- Hull & Propeller Fouling
- Paint Performance
- ME Performance
- Off-Design Conditions
- Coursekeeping

Identifying Saving Potential.

Vessel Performance Analytics.

"What we know is a drop, what we don't know is an ocean."
Isaac Newton

- **Measure**
The process is based on measuring & reporting data. Validity and feasibility are key for an overall success.

- **Analyze**
Strong analytical functions and high quality technical models are essential to identify actual saving potential.

- **Improve**
Optimize vessel operations through data based transparency for decision makers.

Compiled Data

Process Data
Filter & calculate indicators

Visualize
Reports & Dashboards

Raw Data
Incl. External Sources e.g. AIS

Where to act & how to act.

Transparency
for Office & Crews

Vessel Reports
& Sensor Data

Optimize
Vessel Operation

Idealship

We combine Ship Efficiency and Data Management Expertise.

• Ship Efficiency

With almost a decade of experience in vessel performance analytics at major shipping companies we are able to provide our support throughout the entire process.

• Data Management

Through our Mathematical- and IT knowledge we develop smart tools, that can reveal problems and track progress.

R • VBA • Python • Django • SQL

• Custom Solutions

We develop solutions that can be seamlessly integrated into your business processes.

Recent Projects:

• Design & Calculation of a Fuel Factor for the Financial Management of Tanker Pools.

• Saving Quantifications: Management Reports and ECO Retrofit Benefit Tracking.

• Design & Implementation of Performance Monitoring Systems.

For more reference projects visit:
www.idealship.de

Let's unlock your true saving potential together!

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