Why do many shipping companies find it challenging to achieve substantial fuel savings?

From experience we know that many shipping companies find it difficult to achieve the fuel savings anticipated when the SEEMP was introduced in 2013. Insights gained by DNV GL have found many and varied reasons for this. Companies often find it challenging to:

- Select a few key savings measures worth focusing on
- Anchor fuel efficiency in the organization
- Achieve buy-in for fuel savings from both crews and staff ashore
- Implement an effective performance management solution to set targets and demonstrate achievements

An overall underlying issue

All in all, many companies are leveraging one-off and incoherent approaches, which rarely lead to substantial fuel savings. Only a handful of companies are taking a comprehensive perspective and applying a holistic approach to energy efficiency. The major leading companies are doing just this - and profiting from the benefits to give them an even higher competitive advantage.

To make it easier for all shipping companies to follow a comprehensive strategy towards energy efficiency, we offer the Energy Management 3.0 service.
Cost saving potential is significant

With Energy Management 3.0 from DNV GL and our professional tools, ship owners, managers and charterers can profit from high typical savings across all ship types.

<table>
<thead>
<tr>
<th>Energy efficiency measure cluster</th>
<th>Typical saving potential (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Container</td>
<td>Bulk</td>
</tr>
<tr>
<td>Ship operation*</td>
<td>7-11.5%</td>
</tr>
<tr>
<td>Ship condition*</td>
<td>2-5%</td>
</tr>
<tr>
<td>Machinery*</td>
<td>1.5-5%</td>
</tr>
<tr>
<td>Fuel management*</td>
<td>1-2%</td>
</tr>
<tr>
<td>Consumer &amp; cargo*</td>
<td>0.3-2%</td>
</tr>
</tbody>
</table>

*Savings cannot be added

The benefits are compelling

Profit from lower fuel consumption, leading to:
- Lower overall costs
- Better position on charter market
- Better position towards cargo owner or end customers
- Lower emissions
- Compliance with increasing number of regulations

How Energy Management 3.0 helps you

Energy Management 3.0 takes our current energy management services to the next level. It is a holistic and proven three-step approach covering everything from diagnostics and concept design to savings implementation. Finally, a regular validation of the implementation status ensures continuous savings and provides an overview of potential new improvement measures. Based on insights we have gained from client projects around the world, we have the relevant experience required to support you reliably across all shipping segments. Our projects are scalable and will be tailored to your needs.

We have professional management consultants and technical experts who work interactively with your staff and crews. For an easy identification and implementation of saving measures, we have developed a toolbox of well-established documents and information. It includes:
- Fuel Efficiency Screening Tool (FEST)
- AIS-based speed and fuel consumption analytics
- ECO Insight-based performance analytics
- Saving measure workbooks
- Retrofit measure repository (ECO Retrofit)
- Energy management policy, procedures, SEEMP
- Training and e-learning
- Change management and communications
- Organizational review

A range of client projects and experts in our network means DNV GL has vast experience in energy management.

CONTACT

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