

DESCRIPTION OF SMM CLEAN HULL SAVINGS CALCULATOR

BRIEF DESCRIPTION

Clean Hull Savings Calculator software allows the operator to calculate systematically the impact of the increased hull roughness and assist in the decision-making process.

The solver is based on ship-specific algorithms, which estimate the loss of speed and increase of power by interpreting the findings of underwater inspection. The software allows the operator to derive the relative gain (\$/year) in deciding hull cleaning or new coating application.

Features of Clean Hull Savings Calculator Module for vessel and office application:

- Increase of Power
- Speed Loss
- Relative Gain after works
- Payback Time
- R.O.I.
- Print-out options
- In-House Development
- Automatic synchronization of data between vessel and office

Benefits of Clean Hull Savings Calculator Module for vessel and office application:

- Techno-economic Decision Process
- Consistent Methodology
- Scope of Works
- Financial Appraisal
- **Improved efficiency** of operations, judgement and communication.
- **Clarity & Transparency** based on official shipyard's documentation endorsed by SMM (UK) Ltd. as 3rd party.

FREQUENTLY ASKED QUESTIONS

1. How the crew familiarization is achieved?
 - a. Manual is incorporated in each Program with detailed & extensive Instructions
 - b. Distant Training
 - c. Direct Replies to Email of Masters / Chief Officers / Chief Engineers with Cc to your good Company
 - d. User Friendliness of Software Interface with a brief description of required actions

2. How we can we handle tiresome ISM / SMS Amendments for alignment with this SMM Product?
 - a. SMM Software is tailored to your company's policy/S.M.S. meaning minor ISM/SMS alterations.
 - b. Just a quick reference to the SMM Software in place and their Manual Contents in ISM is, often, common and effective practice for the majority Shipping Companies.

3. Relative requirements of Programs (hardware, software, data exchange if any)
 - a. Light, server-based application running exclusively on Windows operating system environments
 - b. SMM Software can be operated by multiple users (clients) on a network
 - c. Sync Mechanism requires email access or *data import path* for the whole fleet or a desired path for each vessel.
 - d. Possible export in desired editable format, upon discussion and analysis.

SCREENSHOTS

Please see below **Screenshots**:

	Laden	Ballast
Increase of Power, % at constant speed	10.51	0.11
Speed Loss, % at constant power	3.46	0.03
Relative Gain after Works USD/year	189,132.22	119,971.68
TOTAL Relative Gain after Works USD/year	309,103.90	
Payback Time, years	1.68	Return on Investment (ROI), %
		4.00

WE CAN SAIL TOGETHER.....

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