**SMM Ship's Girder Deflection & DWT Gain Loss**

**BRIEF DESCRIPTION**

Girder Deflection due to longitudinal Bending Moment and incorporates the thermal deflection at midships due to air-sea water temperature difference.

**Features & Benefits of this Module for vessel and office application:**

- Adjusted draughts of Deflected vessel and comparison to the ones in rigid state for the vessels that are equipped with MULTILOAD.
- Thermal deflection due to air-sea water temperature difference.
- Intercorrelation with ship's squat in terms of deflected Drafts.
- Calculation of deadweight gain or loss depending on the vessel's condition (ie. sagging/hogging).
- Analytical bending calculations.
- This is especially important when navigating at Plimsoll marks in cold waters (e.g. North Atlantic) with sun.
- Automatic synchronization of data between vessels and office (fleet-based).
- Office fleet-based version.

**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.
Please see below Screenshots:

WE CAN SAIL TOGETHER.....

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