



**IRCLASS**  
Indian Register of Shipping

# MARINE TECHNICAL SERVICES

Marine Technical Services' proactive approach creates smooth sailing for our client's business through identification and elimination of constraints.





## Condition Assessment Program

- IRS has certified more than 250 vessels
- 'IR-CAP' is well recognized by a large number of oil majors worldwide
- IR-CAP provides independent and thorough evaluation of the ship based on actual condition

## Noise & Vibration Measurement and Analysis

- Our expert team carries out measurement, analysis and evaluation of noise and vibration levels onboard ships for the comfort of seafarers as per the requirements of IMO resolution MSC. 337(91), ISO standard 20283-5 and class requirements during sea trials
- More than 200 vessels have been evaluated



## Fatigue Life Assessment of ship

- The fatigue life assessment carried out with the help of In-house software
- It is an evaluation of the fatigue performance of hull structure to identify the locations where failures due to fatigue may occur



## Services - Marine Sector

- CAP- Condition Assessment of Oil & Chemical tankers, Liquefied Gas Carriers
- Fatigue Life Assessment of ship
- Noise Measurement Survey with compliance to IMO Resolution MSC 337(91)
- Vibration Measurement and evaluation towards comfort of seafarers as per ISO Standards and Class requirements
- Prediction of Noise and Vibration on board ship at design stage
- Technical Feasibility study and Safety & Statutory due diligence of the project

## Port Sector

- Verification/Audits as per OISD, OCIMF guidelines
- Port Marine Safety Audit
- Risk Assessment, HAZOP Study and Disaster Management Plan (DMP)
- Navigation Risk Assessment & Navigational Audit
- Review/ Feasibility study of Navigational Light (leading light, Beacon etc.) as per IALA Guidelines
- STS Operation Audit
- Adequacy/Verification/Review of Fire Fighting Installation of Port as per OISD 156/ PESO guidelines





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