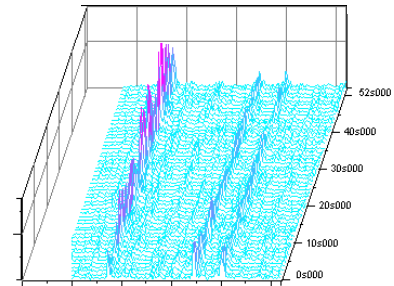


Ship noise & vibration consultancy



Recommendations with confidence Basis of 15 years experience

ScanVibra is a consulting engineering company specialized in ship noise and vibration.

This allows for maximum focus on a clear objective: Developing the best possible understanding of noise and vibration in ships - and deriving effective and practical engineering solutions on that basis.

Reviews, analyses and predictions combine to provide minimum risk of unforeseen problems in newbuilding projects.

Experience and advanced measurement tools provide the basis of effective trouble shooting, if problems are found on sea trials or in service.

ScanVibra makes a difference based on detail insight into acoustics and dynamics, but also from practical understanding of ship design and operation.

Ship noise and vibration sometimes requires extensive analysis. But it is equally important that simple, straight answers are provided whenever possible.

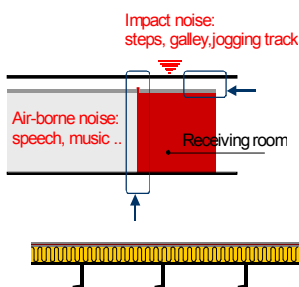
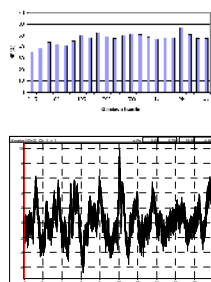
- Design reviews
- Analysis
- Measurements
- Trouble shooting

Assistance to builders, owners & designers

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Please turn for
more info ...





Engineering consultancy

ScanVibra provides recommendations to the industry based on in-depth understanding of ship noise and vibration, propellers, machinery, noise reducing measures and structures.

- Noise and vibration analysis
- Design reviews
- Measurement services
- Trouble shooting

Analysis and prediction

For newbuildings, the key is full support right from early in the project, when many important design decisions are taken. The basic consideration is that problems may often be solved effectively with small or moderate effort, if the right decisions are made at an early stage.

Measurements and trouble shooting

ScanVibra assists on sea trials with noise and vibration measurements - and the identification of problem areas for comfort, structure, machinery or equipment.

When noise or vibration problems are found, the job is to find solutions using the best possible tools: Advanced measurement equipment and analysis methods - but also skills, practical understanding and experience.

● Passenger ships	● Container ships, tankers
● Luxury yachts	● Offshore vessels, DP etc.

AREAS OF EXPERTISE

Noise

- Propeller noise
- Cavitation
- Engine noise
- Gear tonals
- Resilient mountings
- Floating floors and insulation
- Visco-elastic damping
- Ventilation silencing
- Acoustic enclosures
- Exhaust silencers
- Accommodation design
- Floating accommodation
- Pumps, hydraulics etc.
- Component selection
- Procurement specifications
- Sound insulation
- Impact noise

Vibration

- Propeller pressure pulsations
- Machinery vibration
- Structural design
- Resonance problems
- Finite element analysis (FE)
- Vibration damage
- Shaft systems

Measurements

- Noise measurements
- Vibration measurements
- Sound insulation
- Frequency analysis
- Source strength evaluation
- Noise transmission
- Noise radiation
- Mode shapes
- Operational deflection shape

