

# Robson Forensic

Engineers, Architects, Scientists & Fire Investigators

**THOMAS G. CONNORS**  
**Marine/Mechanical Engineer**  
**Naval Architect**

## PROFESSIONAL EXPERIENCE

Forty-years of experience in the marine industry in the design, operation, repair, modification and conversion of commercial and commercial type vessels. Experienced in ship construction standards, commercial regulatory body (ABS, USCG) rulemaking and ship inspections, Navy inspections (INSURV) ship propulsion (steam, low, medium and high-speed diesel, gas turbine) and auxiliary systems (steam, condensate, refrigeration, HVAC, electrical generation and distribution). Ship maintenance management and analysis programs.

2007 to present **Robson Forensic, Inc.**  
*Associate*

Provide technical investigations, analysis, reports, and testimony towards the resolution of commercial and personal injury litigation involving

**Ship Operations:** Overall responsibility for ship casualty reporting, trending and analysis; procedures, changes and modifications to heighten ship material condition mission readiness.

**Ship Design:** HVAC, piping, refrigeration, auxiliary system design, electrical modifications including entire new electrical generation plant.

**Ship Construction:** Development and management of a program for MSC representatives to function as MSC "Owner's Representatives" interfacing with Naval Sea Systems Command and SUSHIP during new ship design, construction, trials and warranty.

**Ship Maintenance, Repair and Modifications:** Responsibility for MSC ship maintenance policy, procedures, alteration approval, development and implementation of programs to implement. Responsible for MSC fleet wide fuel bunker management.

**Ship Advanced Maintenance Monitoring:** Responsible for shipboard and shoreside maintenance programs designed to provide for condition based maintenance, proactive casualty avoidance and predictive equipment evaluation, allowing increased ship time for mission accomplishment and reduced cost. Programs included oil testing, analysis and new product introduction, vibration analysis, maintenance scheduling, and ship coatings.

**Ship Inspections, Standards:** Personally developed and implemented MSC's Ship Material Assessment & Readiness Program (SMART), a structured ship inspection program which is recognized by the US Navy Inspection and Survey Board

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(INSURV) as authorized to carry out statutory inspection of MSC ships of the Navy. Developed and implemented program to inspect MSC forward deployed contract operated ship to verify contract compliance. Responsible for implementation of MSC's environmental policy, safety, and damage control.

1982 to **Military Sealift Command**

2006 *Director, Transformation Task Force (TTF)* 2004-2006

The TTF implemented the Commander's goals and objectives in transforming MSC into a 21<sup>st</sup> century command. Specifically, taking the existing MSC worldwide organization and integrating operational units of the into the staffs of the numbered fleets, developing an organization to execute MSC functions to man, maintain, train and equip MSC's fleet of Government Owned, Government Operated ships and coordinating personnel requirements and facilities.

*Engineering Director* 1995 -2004

Principal advisor to Commander, Military Sealift Command for all ship engineering issues for the MSC fleet of 120 ships.

*Engineering Operations Director* 1989 - 1995

Daily engineering operations of all civilian mariner and contract operated MSC ship maintenance, repair, overhaul, alteration planning, direction, and execution. Responsible for \$190 – 250M M&R budget (CIVMAR and contract operated ships). In charge of all Engineering Operations during Gulf War – Fleet of 200+ ships

*Director, Strategic Sealift Division* 1986 - 1989

Introduction of MPS, FSS, T-5 and T-AGOS ships including crew phaseup, training, logistic integration, of technical issue resolution and overall coordination with other offices at MSC and NAVSEA. Directly responsible for purchase of four new build US Army LSV (BESSION Class).

*Head, Marine Engineering Branch/Technical Deputy* 1982 - 1985

Plans and specifications for modifications to all MSC ships including naval architecture, marine and electrical engineering, direct management of support services contracts as well as funds administration for tech services overhead account and supervision of division personnel. In charge of USNS OBSERVATION ISLAND X Band installation.

1970 to **Maritime Administration**

1982 *Staff engineer through Manager, Marine Engineering*

Commercial marine power plant design, performance and suitability. Technical and economic tradeoff studies for most cost effective propulsion design.

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1967 to 1969 **U.S. Lines/Sea Land**, New York, NY  
*Third/Second Assistant Engineer*  
Watchstanding, power plant and auxiliary equipment maintenance on steam plants.  
Bunker management, boiler chemical testing. Refrigeration plant operation and maintenance.

## PROFESSIONAL CREDENTIALS

USCG Engineering License Third Assistant Engineer, Steam and Motor vessels,  
Unlimited Horsepower (not current))  
Member, American Bureau of Shipping Technical Committee  
Principal Member, Ship Structure Committee  
Member, US Merchant Marine Academy Engineering Industrial Advisory Council

## EDUCATION

Master of Science (Mechanical Engineering), Rensselaer Polytechnic Institute, Troy,  
NY, 1972  
Bachelor of Engineering (Marine), SUNY Maritime College, Bronx, NY, 1967

Thirty-five years of experience in home construction, modernization, and repair including structural and finish carpentry, plumbing, electrical. Extensive experience in furniture design, construction, modification and refinishing, deck, patio construction, flooring, tiling. Mastery of hand and stationary tools including router, radial arm saw, drill and all hand tools.  
General Contractor

**Home Construction:** Became General Contractor for current home necessitating coordination of subcontractors, fiscal management, county inspections and successful project completion.