

Project Title: Dry Dock Ship Supports (Scale Model)

Contact (name, email, phone): Joe Stiglich, Joe@DryDockTraining.com, (858) 705-0760

Availability for Kickoff and Weekly Meetings:

Student teams are to meet with the sponsor on a weekly basis, typically at the sponsor's facilities. The kickoff meeting is especially important. Please indicate if you are available to meet during the kickoff period:

- Beginning to mid November for Fall-Winter projects (yes/no): YES
- Mid to end of February for Winter-Spring projects (yes/no): NO

If not available please specify an alternate contact person for kickoff:

Company website: DryDockTraining.com

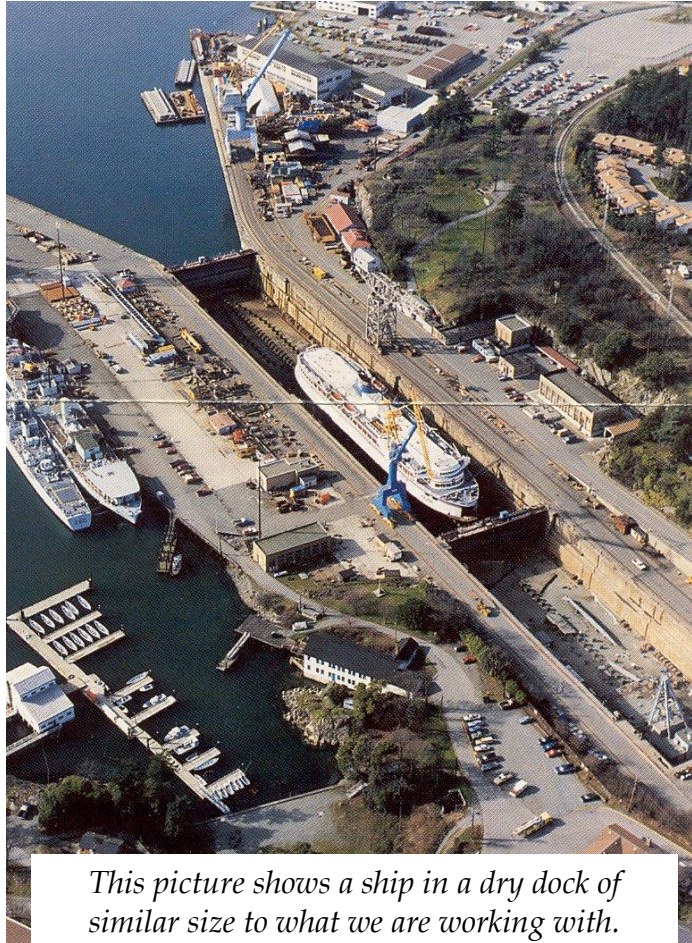
Project Description

Background:

We are seeking a new cost-effective solution to an old problem: to provide support to a ship in dry dock to prevent it from rolling transversely. The current most popular system for dry docking ships is to build up blocking formations to match the shape of the ship, economically inefficient use of manpower and wood.



This picture shows current dry dock support system that we intend to replace



Summary of MAE156 Project Objective:

The purpose of the project is to design an automated, form-fitting, adjustable, transverse support system for a ship in a dry dock and build a working 1:100 scale model.

Skills Used in Project:

The design will require control theory, mechanical linkages, and static loading principals.

Are there any citizenship or confidentiality issues required of the student team?

Confidentiality forms will be required. Open to any citizenship.

Budget

The budget for each project is a not-to-exceed amount, which will be billed to the sponsor at completion of the project.

Equipment and Parts	\$8,500
Shared Shop Expenses	\$1,500
Total	\$10,000

Sponsor's Fiscal Contact Person (Name, email, phone):

Same as above: Joe Stiglich, Joe@DryDockTraining.com, (858) 705-0760