



## General Marine Engineering Topics

- Actuation 101** 45 minutes Matt Hallisey  
Actuation overview discussing the pros and cons of electric, pneumatic, and hydraulic action. Focus on applicability to these modes of actuation to various marine systems and commercial availability. Applicable for junior to mid-level engineers with at least a basic understanding of valve types and systems.
- Valve 101** 45 minutes Dr. Valve  
Intro for the basic engineer covering all valve types, materials, and applications
- Metallic Piping 101** 45 minutes Pete Nimick  
Introduction to piping including general definitions, design classes of piping systems including pressure and temperature requirements, ABS certification requirements based on Class, Basic metallic piping material description and associated uses,
- Plastic Piping 101** 60 minutes Kevin Hein  
Intro covering plastic piping materials including commercial examples. Discussion of plastic piping performance characteristics and regulatory requirements. Focus on the flag state adoption of IMO A753.
- LNG Piping Systems** 45 minutes Matt Hallisey  
Advantages of pre-fabricated, pre-insulated piping for maritime use. Double wall insulated piping for LNG in enclosed spaces. Pre-insulated single wall piping systems for outer decks. Regulatory, material testing, field joints installation. Cryogenic LNG valves introduction and class requirements. Importance of securing spares for critical systems due to very long lead times.
- Mechanical System Basics** 60 minutes Kevin Hein  
Piping and valve material selections from a “good, better, best” perspective. Pairs well with the W&O Master Material Schedule.

## Product Specific Training Topics

- SeaCor** 45 minutes Steve Hartsaw  
Introduction to SeaCor the first USCG approved CPVC product. Review system offerings, applicable fluids and locations, etc.
- Garlock Expansion Joints** 45 minutes Scott Moore  
Introduction to the Garlock family of Expansion Joints for specific marine use and overview of current Marine certifications and Classifications. Introduction to the Garlock Gaskets lines with current ABS and Coast Guard approvals. Also includes a brief introduction to proper bolting and installation procedures.
- Pyplok System** 45 minutes Pete Nimick  
Introduction to Pyplok, mechanically attached high pressure fittings. Review Class Approvals, general product information, Applications, Advantages vs competing systems/products
- CSD 101** 1-½ hours Pete Nimick

2677 Port Industrial Drive  
Jacksonville, FL 32226  
T. 904.354.3800  
F. 904.354.5321  
[www.wosupply.com](http://www.wosupply.com)



Introduction to CSD bulkhead sealing systems for cable and pipe. Including Rise, Nofirno, Slipsil, Crusher, etc covering Class approvals, general characteristics, applications, advantages vs competing products,

Chibro Crimped Piping Systems 45 minutes Pete Nimick  
CuniPress, Pressfitting SS, Steckdrain, general product information, Class Approvals,

CPV Training Presentation 30-45 minutes Dwayne Jones  
Introduction to CPV High pressure valves & fittings. Breakdown on P/N system, valve & fittings applications, and markets.

Meson Quick Closing Valves 30-minutes Dwayne Jones  
Presentation on QCVs. The applications & general product information for QCVs. Covers system arrangements and Class approvals.

Leser Safety Valves 30-minutes Scott Moore  
Introduction to Leser North America. Provide an overall view of Leser safety valves, and breakdown of their application areas and scope of products.