

# Certificate Program: Shipyard Industry Marine Designer Training

NSRP Project

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# A Need for Basic Training

| Project Description   | Objectives  |
|---|---|
| <p>Entry-Level Marine Design Training Program:</p> <ul style="list-style-type: none"> <li>• Work Force Development for Designers</li> </ul> <p>Solutions for Shipbuilding and Repair”</p> <ul style="list-style-type: none"> <li>• Team with Shipyards, NMEC, Academia and Technical Consultants to build curriculum               <ul style="list-style-type: none"> <li><input type="checkbox"/> Participating Shipyard: BIW, EB, NASSCO, Austal</li> <li><input type="checkbox"/> Participating Academia: Southern Maine Comm. College</li> </ul> </li> <li>• Incorporate best practices and new technologies/equipment</li> </ul> | <p>Certificate Program objectives:</p> <ul style="list-style-type: none"> <li>• Train entry level marine designers</li> <li>• Increase skill level of new hires, internal trade transfers and general public</li> <li>• Opportunity for employees to improve marine design knowledge/skills</li> <li>• Increase # of qualified applicants</li> <li>• Adaptable to all shipyards</li> <li>• Support MEEP “Next Generation of Workforce Solutions for Shipbuilding and Repair”</li> </ul> |
| Deliverables/Benefits/ROI   | Financial   |
| <p>NSRP Workforce Development Panel Project Briefing and Final Report</p> <ul style="list-style-type: none"> <li>• Entry level Marine Design standard curriculum</li> <li>• Information sharing workshop (WFD and Ship Design)</li> <li>• Trained new hires and pre-hire individuals = increased skills, first time quality, job satisfaction, motivation, innovation, and process improvement</li> </ul>   | <p>Up to \$150k</p> <p>BIW Lead:</p> <ul style="list-style-type: none"> <li>• Dedicated Marine Design Sr. Project Manager (Training) Project Lead</li> </ul>  |

# Timeline

| Title   | Description   | Team Member(s) | Receiver | Due Date  |
|---|---|----------------|----------|-----------|
| Analysis & Design - Curriculum Data Gathering | Gather Data from Community Shipbuilders and Partners to define what is to be learned and the process by which learning will occur | BIW<br>EB      | BIW      |           |
| Course Development                            | Process of authoring and producing the course materials - "Core Body of Knowledge"  | BIW<br>SMCC    | BIW      | 9/1/2020  |
| Implement Pilot                               | Process of installing the project into real-world context   | BIW<br>SMCC    | BIW      | 10/1/2020 |
| Evaluation and Revise                         | Process of determining the adequacy of the instruction  | BIW<br>SMCC    | BIW      | 10/1/2020 |
| Final Report - at 11 Months                   | Generate a Report of Findings & Recommendations   | BIW            | ATI      | 1/1/2021  |

Questions?

