

Portable Lifter Panel Project

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Outline

- Facilities Tooling and Risk Management Panel Project
- Task/Process
- Project Results
- Conclusion

Task

- Develop a portable lifting device that could potentially eliminate the need for the installation of temporary lifting pads/eyes reducing the non-value labor and exposure to accidents.
- Target weight = 40 lbs. per a collapsed section
- Reach overhead height of 12 feet
- Stabilizing legs will allow for a 4” vertical offset between the main past landing pad and the ends of the outrigger legs.
- Be able to lift up to 250 pounds.





Results

- *Target weight is 40 lbs. per a collapsed/folded section. (FAILED)*
- *Reach overhead height of 12 feet (MET)*
- *Stabilizing legs will allow for a 4" vertical offset between the main post landing pad and the ends of the outrigger legs. (MET)*
- *Be able to lift up to 250 pounds. (MET)*

Conclusion

- Telescoping Mast
 - Made device impractical
- Current state of the art technology can not produce a lifter that matches the shipyard criteria
- Work completed/assumptions made/conclusions derived are available for use by the industry/technology providers to assist in researching and identifying a solution in the future