FASTORQ/SNAP-ON
ZIPNUT CUSTOM ENGINEERED SOLUTIONS FOR QUICK TURNAROUND BOLTING RELIABILITY

NCMS Technology Showcase
Puget Sound Naval Shipyard

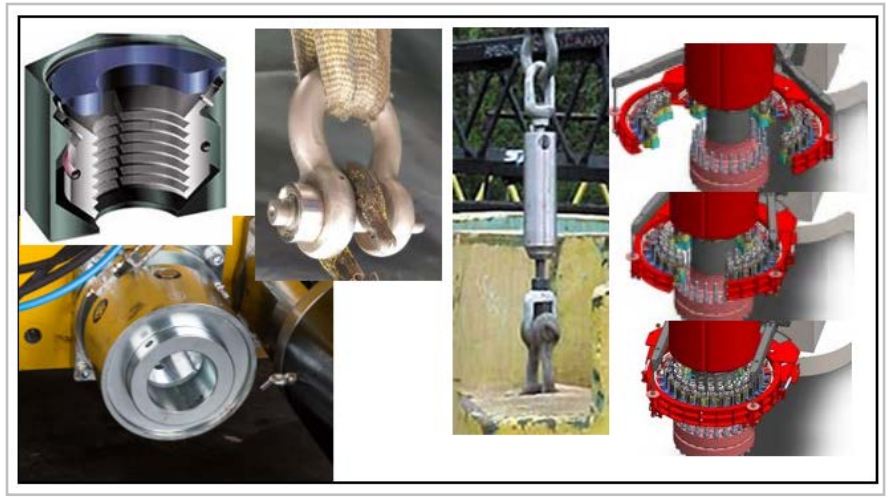
PROBLEM STATEMENT

- Productivity issues due to long cycle times
- Safety concerns in dangerous environments
- Lack of Reliability in bolting
- Stainless steel galling issues
- Unable to thread nuts onto bolts due to thread damage
- Fatigue or injury from repetitive threading operations

BENEFITS

- Time reduction in many cases of 90%
- Can be remotely operated from outside dangerous environments
- Improved productivity and repeatability
- Documented bolt preloading
- No more work stoppage or damaged equipment

TECHNOLOGY SOLUTION

- **ZipNUT** single and double operation
- QuikShackle using **ZipNUT Technology**
- **ZipTENSIONER** Speed of installation for any critical bolted joint
- **ZipLift** Hands free lifting device for dangerous areas.
- **Zip RULZ** - Remote Release Under Load ZipNUT
- Fully Automated Stud Tensioning **(FAST)** featuring **ZipNUT**

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