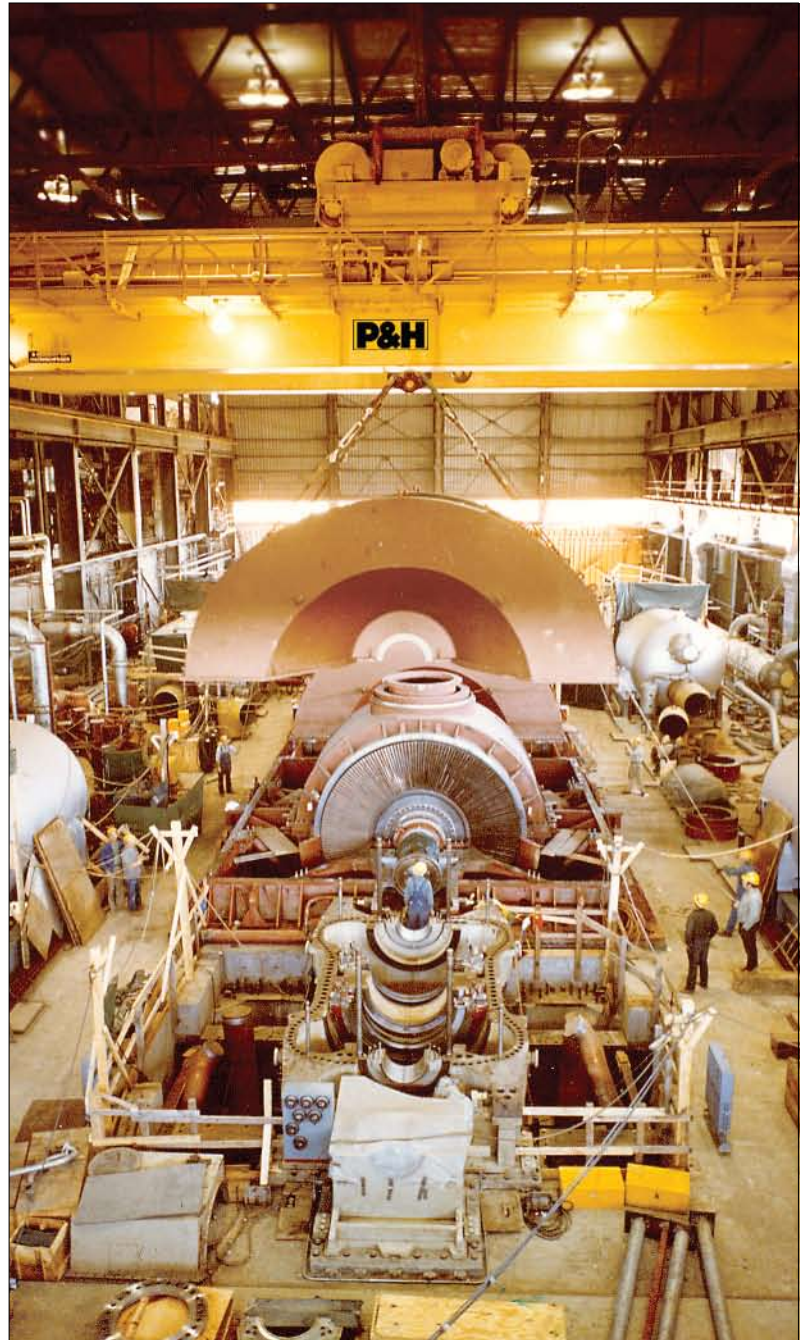


## MODERNIZATION

When your cranes fail to meet the requirements of your business, productivity suffers. As available technology outpaces your installed cranes, consider strategic upgrades or additions. There is no substitute for experience, and with nearly a half century of nuclear crane experience and nearly a century of modernizing cranes Morris Material Handling is the most seasoned supplier in the industry.

Our seasoned nuclear crane engineers will perform a detailed analysis of your current application and duty requirements taking into account your unique challenges. Improvements are recommended to enhance the safety, productivity and reliability of your operation.

- Single failure proof upgrades
- Crane and runway capacity upgrades
- Duty-cycle studies
- Planned engineered lifts
- Automation feasibility studies
- Diagnosis and solutions for tracking problems, abnormal rail/wheel wear, and fatigue cracks
- Precise measurements and alignment of crane structures and wheels
- Extensions of existing runways and supply of new systems
- Variable frequency, Static Stepless®, or DC-Digital control upgrades
- Radio controls and remote diagnostics
- Festoon system replacement
- Integrate load cells/weight systems
- Replace motors, brakes, Magnetorque® Brakes



### MODERNIZATION

#### Rebuilds and Overhauls

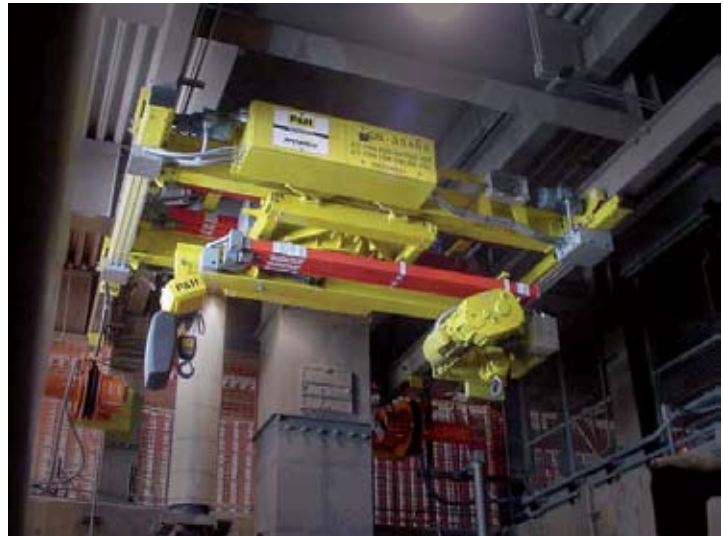
Rebuilding or overhauling components can also be an effective means of extending the life of your equipment. If conditions warrant, we can also provide new hoists and other components. From our vast set of experience and capabilities, we will always recommend the best long-term solution.

Our latest patent pending innovations, the P&H Installation Work Platform and telescoping jib crane allows site replacement of most major crane components to be completed more safely and efficiently than other conventional installation methods. These installation tools are quickly and temporarily attached to your crane enabling our teams to complete installations in record time significantly reducing outage time.

#### Our modernization, overhaul and rebuild capabilities are supported by:

- NQA-1 and 10CFR50 Appendix B quality control program
- Dedicated rebuild centers
- Talented and experienced engineers
- ISO Certified machining and fabrication operations
- NDT testing capabilities
- Experience in critical process industries

We are committed to becoming an integral part of your operations and key processes by providing complete life cycle care to reduce your total cost of ownership by improving productivity and safety. Morris Material Handling is your **SOLE SOURCE SUPPLIER** for equipment, modernizations, and services. You can depend on us.



#### SUPPORT

For reliable support for parts, service, and modernizations call 866.261.9975  
After hours 24-Hour/7 Day support for parts and service call 800.933.3001

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CRANES / HOISTS / SERVICE / PARTS