



# Nuclear Plant Crane Upgrades

As nuclear power plants reach 30 or more years of life, serious consideration must be given to the upgrade of lifting equipment. Plant life extension and increased crane operational efficiencies provide the ROI justification.

## Crane upgrade advantages include:

- Safer and more precise crane controls
- Incorporation of modern technology
- Decrease in maintenance and downtime costs
- More reliable operation during required critical lifts

## American Crane can cost effectively provide key crane electrical and mechanical upgrades including:

- New hoist flux vector and bridge/trolley frequency drive systems with variable speed controls
- New bridge, trolley, and hoist motors
- Radio control systems and new cab/pendant controls
- American Crane's state-of-the-art hoist drive train diagnostics
- PLC controls
- New electrical panels
- Replacement of power and control wiring
- Collision avoidance systems
- Zone boundary limit protection
- Upgraded brakes
- New limit switches and load cells
- New festoon systems
- New runway conductor bar systems



## Key advantages to using American Crane include:

- In-house engineering staff to design upgrades
- In-house shop fabrication capabilities
- Installation technicians with nuclear plant experience
- Crane testing experience at nuclear plants
- 10CFR50, App. B Quality Program available
- Fully staffed Parts and Service Departments