Curriculum Vitae

Neil Skogland
Principal, Crane Master
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EDUCATION

University of Washington – Bachelor of Science, Mechanical Engineering 1982

University of Washington – Master of Business Administration Certificate Course 2002, Class President

PROFESSIONAL SOCIETIES

Association President (2009 – 2010), Crane Manufacturer's Association of America

Engineering Committee Chair and Association Vice President (2006-2008), Crane Manufacturer's Association of America

Annually Invited Presenter for the Thiokol Crane Reliability and Maintenance Seminar, Brigham City, Utah, 1996 – 2009

Named by Hoist Magazine as among the Top 50 most influential leaders in the Overhead Lifting Industry Worldwide, March 2006

Neil is widely known as an expert in machinery application and design of a wide range of steel-wheeled equipment, principally cranes of all types. Beginning his career as a Co-Op student, Neil advanced from a part-time engineering clerk to hold a progression of positions: Drafter; Estimator; Proposal Engineer; Sales Engineer; Manager, Special Projects; Vice President, and President of manufacturing and contracting companies.

As a part of his design and application expertise, Neil has wide-ranging experience with;

hoists, winches and wire rope;
steel wheel and rail systems, both top-running and underhung;
traveling structures such as roofs, walls and mega-doors;
rotating structures such as revolving floors and turntables;
cranes of all types.

Representative project experience:

Deconstruction Cranes for Chernobyl Nuclear Power Plant Unit 4
Chernobyl's infamous Unit 4 reactor exploded in April of 1986, and was covered by a concrete Shelter, termed the Sarcophagus. A building will be constructed over the top of the crumbling Sarcophagus to disassemble it, using cranes at its ceiling. Eureka! Engineering is providing project management and design services for the highly custom 50 tonne capacity cranes that will be the primary tools for facility deconstruction, expected to operate for 100 years.

Retractable Roof Machinery and Electric Equipment for Safeco Field Ballpark, Neil performed the preliminary design, project estimating and corporate-level management for this unusual project, working with public officials, architects, engineers and the Seattle Mariners to deliver what is considered the most successful retractable roof in the world.

325 Ton Capacity, 146 Foot Span, 465 Foot Lift Bridge Cranes for NASA, KSC, Neil was again the Sales Engineer and primary estimator for these two machines that include high-precision DC control for full-load positioning of thousandths of an inch, multiple layer hoist drums, balanced dual reeving, and a wide range of other special features.

5,100 Ton Capacity, 145 Foot Span, Super Gantry Crane for the US Army Corps of Engineers, This machine is the highest capacity traveling overhead gantry crane in the world. Neil was again the preliminary designer of the machine in response to the technical specification, estimator and Sales Engineer. The crane is used to lift precast sections of the Olmsted Dam on the Ohio River, and is equipped with a diesel-electric generator for travel and accessory power, while the 12 strand-jack hoists are powered by two separate diesel-hydraulic power pack