Liftech
LIFTECH CONSULTANTS INC.

Selected Floating Crane Design and Review Projects

Client	Vessel(s)	Year	Description	Maximum Capacity	Liftech Involvement
ZPMC	Ocean-going vessel	2010	Revolver crane	12000 t	Design review of boom, A-frame strut, stays, and base. Optimize tub and collar structure.
ZPMC	Ocean-going vessel	2009	Shear leg derrick	8000 t	Design review of boom, A-frame strut, stays, and base.
ABF	Barge	2008	Shear leg derrick	1700 t	Design review of boom, shear leg, stays, barge reinforcement, tackle hardware, and boom skidding scheme.
ZPMC	Ocean-going vessel	2005	Revolver crane	4000 t	Boom structure design and miscellaneous consulting.
ZPMC	Ocean-going vessel	2005	Revolver crane	7000 t	Boom structure design and miscellaneous consulting.
Bickerton Iron Works	Self-propelled barge	2000	Revolver crane	300 t	Design of the crane structure initially for Paceco. This project involved a study to extend the boom length.
The Dutra Group	Self-propelled barge	2000	Revolver crane	400 t	Feasibility review for the upgrade of the operating range of a 400 t derrick barge crane.
Enron Eng	Ocean-going vessel	1998	Repair of damaged derrick barge crane boom	600 t	Review damage and design repair procedures.
Crowley Maritime	Twin barge system	1998	Study for erecting offshore platform structures	3000 t	Conceptualization of a twin barge floating crane scheme to remove abandoned offshore platforms.

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AmClyde	Barge	1992	Conversion of land-based stiff leg derrick to floating crane on barge	2 @ 750 t	Design of the land-based derrick for handling LNG tanks and designed the conversion.
Westmont Industries	US Navy ships	1990	Revolver cranes on US Navy ships	100 t	Review of numerous cranes on behalf of client.
Amhoist	Semi-submersible	1986	M-6000 twin-luffing derricks on a semi-submersible for offshore work	2 – 7000 t @ 35 m 2 – 475 t @ 110 m	Design and drawings for the booms and jibs.
Amhoist	Semi-submersible	1985	M-5000 twin-luffing derricks on a semi-submersible for offshore work in North Sea	2 – 6000 t @ 35 m 2 – 425 t @ 110 m	Design and drawings for the booms and jibs.
Paceco and Smith Rice	Self-propelled barge	1985	Revolver cranes	150 t to 300 t	Structural design of crane components and foundation.
Matson Navigation	Container vessel	1985	Revolver crane for loading and offloading containers in Hawaii	40 t	Review of structural design of cranes built by Mitsui.