Thought leadership
White paper

B-LINE SERIES

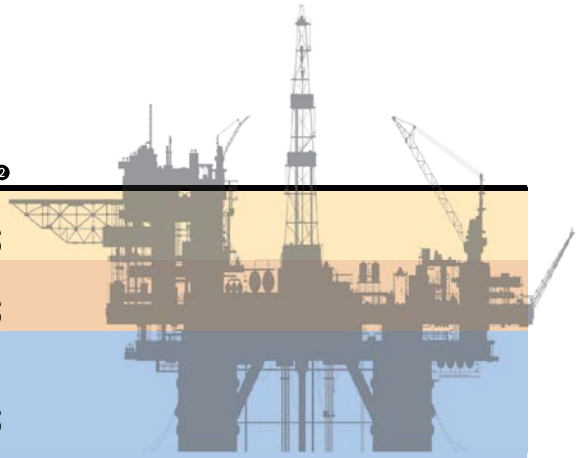
Save 20 tons on a typical offshore project

Save 4 tons for every 1 ton of cable ladder removed

Weight savings in offshore applications is not limited to simply reducing the weight of individual products such as cable ladder. According to offshore design principles ❶, removing 1 ton of equipment topside reduces an additional 1 ton of structural steel support topside. This is a 1:1 ratio that continues below the water line to the bottom side. The 2 tons of equipment and steel topside that are removed allow an additional two tons of structural steel support to be removed bottom side. To put it simply, 4 tons are saved for every 1 ton of equipment weight removed. This is a 4:1 weight savings ratio.

To the right is an example of this design principle using a 100 ton competitive cable ladder system. Utilizing the HPL series saves 20 tons.

	Competition		HPL series		Weight saved ❷
Cable ladder weight	100 TONS	–	95 TONS	=	5 TONS
Topside steel	100 TONS	–	95 TONS	=	5 TONS
Bottom side steel	200 TONS	–	190 TONS	=	10 TONS
	400 TONS	–	**380 TONS**	=	**20 TONS SAVED**



❶ OTC paper 5257 written by N.G. Boyd.

❷ Versus competitive published catalog weights.

To learn more, visit www.cooperbline.com/HPL

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Printed in USA
Publication No. WP302001EN / Z16500
April 2015

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