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*, removing one ton of equipment topside reduces an additional one ton of structural steel support topside. This is a 1:1 ratio that continues below the water line to the bottom side. The two 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, four tons are saved for every one 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 High Performance Ladder (HPL) Series saves 20 tons!

	Competition	HPL Series	Weight Saved**
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**

*OTC paper 5257 written by N.G. Boyd   **Versus competitive published catalog weights

Learn more, visit Eaton.com/HPL

Powering Business Worldwide

Follow us on social media to get the latest product and support information.