

LOBO Systems Ltd - Valero Energy Oil Refinery

Vessel Internal Work

The plan was to use the LOBO System for many of the jobs on routine maintenance that require working at height; it was estimated that as much as 75% of works needed a platform height of 6 m / 20 ft or below. Other products or scaffolding would be used for the residual high applications.

Routine Maintenance Access

The LOBO System can be assembled without the use of any tools in minutes, safely and to any shape or size and is not reliant on the scaffolding company to return and remove the system after the maintenance task has been completed, thereby reducing hire costs. Valero continues to use several different access systems for maintenance around the Pembroke Refinery site. Scaffolding costs alone at Pembroke, are in the region of \$300k a month and Valero has identified significant benefits in deploying the LOBO System since they first purchased in 2013.



Conclusion - Cost Saving

In 2014 the LOBO System was used for around 8% of Valero's applications, this increased to 15% by 2015 and more than 20% in 2016.

Official figures approved by Valero Energy, Pembroke UK, total spend on LOBO Systems around \$600,000-00

Annual Scaffolding Spend \$3,600,000	Percentage of Jobs Performed by LOBO	Annual Spend On LOBO	Annual Saving
2014 Actual	8%	\$ 170,000	\$ 288,000
2015 Actual	15%	\$ 30,000	\$ 540,000
2016 Actual	20%	\$ 23,000	\$ 720,000
2017 Actual	25%	\$ 43,000	\$ 900,000
2018 Actual	40%	\$ 81,000	\$ 1,440,000
2020 Actual	45%	\$ 39,000	\$ 1,620,000
2020 Actual	Refinery Outage	\$ 214,000	\$ 2.620,000
	TOTAL 7 YEAR SPEND / SAVING	\$ 600,000	\$ 8,128,000

As can be seen, by the figures, well over \$1,500,000 of scaffolding costs were saved in the initial 3-year period from 2014 to 2016. With over \$8,000,000 saved in the 7 years to the end of 2020.

Significant cost savings have been made at the refinery in terms of labour cost and in the reduction of maintenance downtime.

In house, maintenance crews can assemble the system quickly and safely around, under or above the plant, even in restricted areas. Maintenance tasks can be better controlled, and outsourced scaffolding labour costs can be significantly reduced without compromising safety.

Online product demonstration available | Full certified worldwide online or onsite training | Technical support.

www.lobosystems.com

Conformities

EU: BS EN1004:2004 BS 1139 partes 3 & 4,

USA: Complies to OSHA CFR 29 1926 450-454 & sub part L & codified under 29 CFR 1910.27(a).

Canada: CSA Z797-09 and 269.2 (M87 and -16)

Australia: AS/NZS 1576.1:2010 and AS/NZS 1576.3:2015 Tower

