

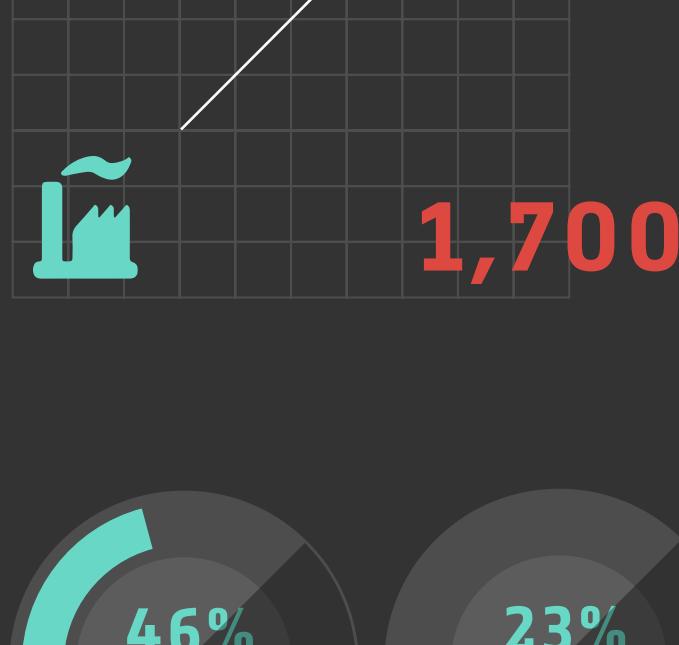
The High Cost of a Shutdown

KNOW THE FACTS

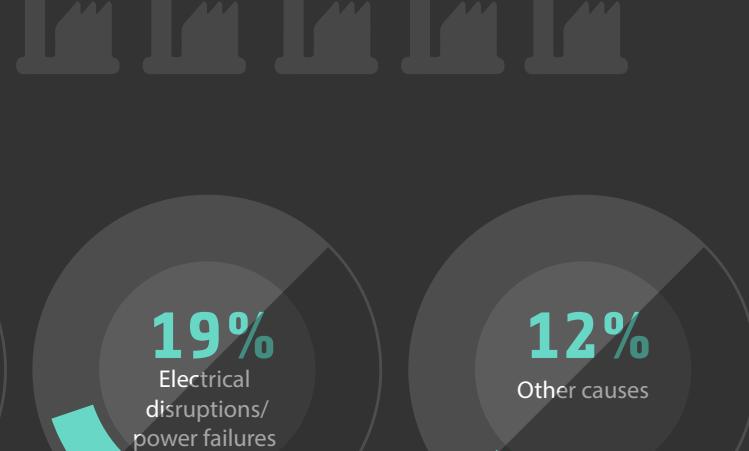


Although the figures range widely depending on the industry, the need to prevent unscheduled downtime is crucial to engineering companies in every case.

2009-2012 INCREASE IN REFINERY SHUTDOWNS



The US Department Of Energy's Energy Assurance Daily report tells us that between 2009 and 2012 there were more than **1,700 refinery shutdowns**



Downtime Costs of a Lithography System

The downtime costs of a lithography system can run in the **hundreds of thousands of dollars per hour...**

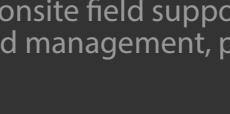
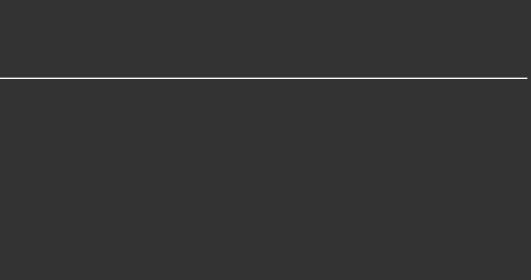


POTENTIAL LOSS

1,700 refinery shutdowns with an average profit of \$18/bbl:

A potential loss of

\$2,325,600



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