

ONIS OUTPERFORMS STANDARD BLIND SOLUTION:
SPECTACLE, SLIP AND FIGURE-8 BLINDS



ONIS LINE BLINDS FOR UPSTREAM OIL & GAS PRODUCTION



100% positive isolation
while reducing downtime & improving safety



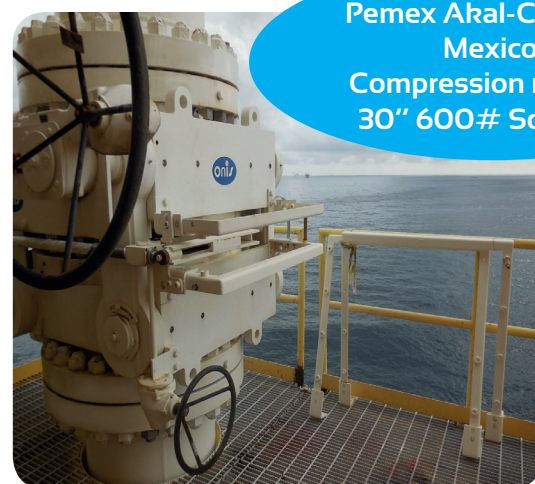
UPSTREAM OIL & GAS APPLICATION



Petrobras SBM
FPSO Saquarema & Marica
Metering skid 20" 300#
Crude oil



Aramco Abqaiq KSA
10" 1500#
Control valves isolation

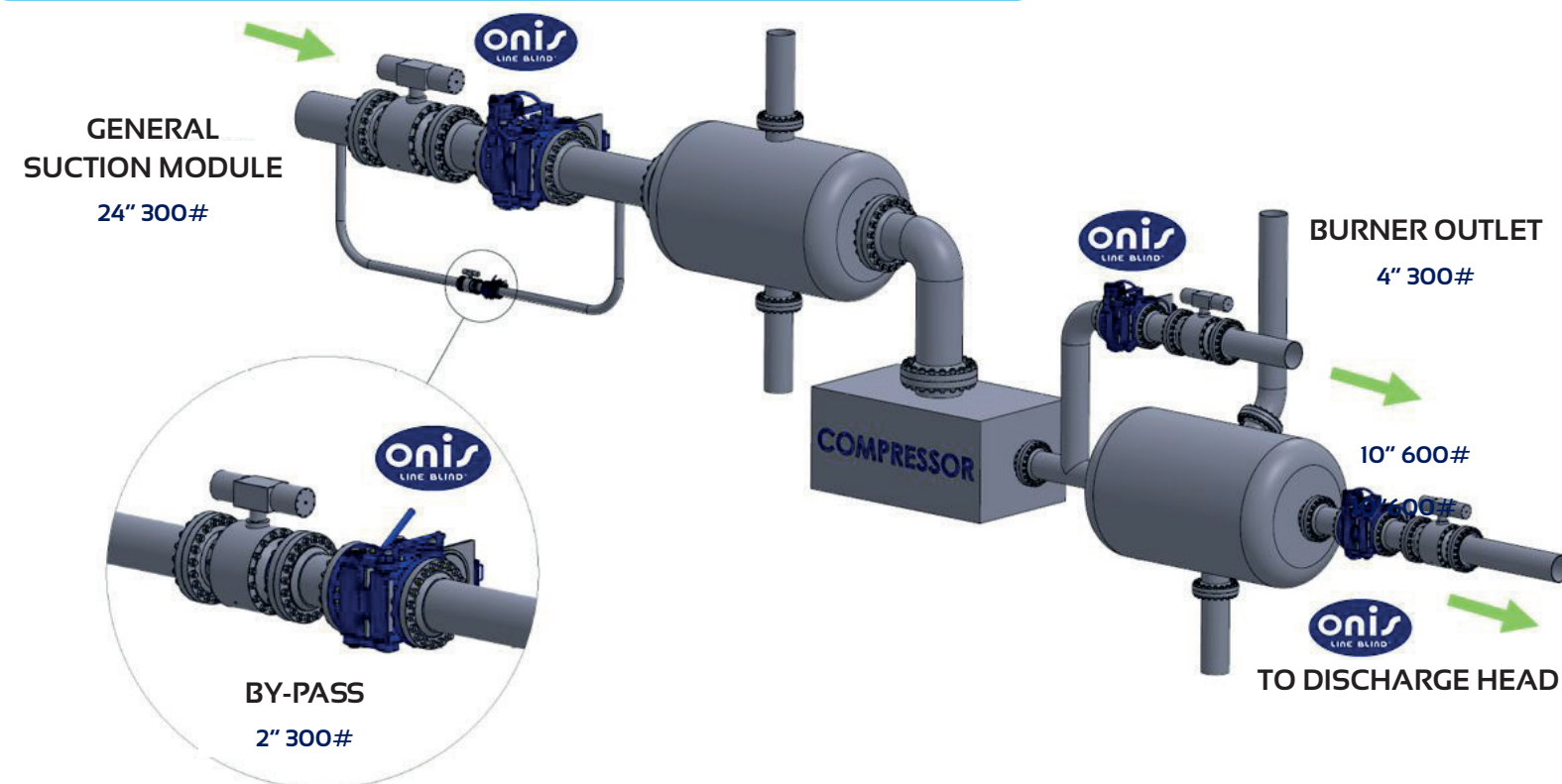


Pemex Akal-Cantarell
Mexico
Compression module
30" 600# Sour gas

BENEFITS

- Minimizes venting of gas to the environment
- Reduces the exposure of operators to contaminants
- Minimizes accidental product losses

TYPICAL GAS COMPRESSION MODULE



UPSTREAM OIL & GAS APPLICATION

A breakeven point in just a few months through a safer way to blind the whole process

QTY	DN	PN
1	2"	300 #
1	2"	600 #
1	4"	300 #
2	4"	600 #
1	10"	600 #
1	24"	300 #

BUSINESS CASE

- Replacement of 7 Figures-8 (traditional blinding) with 7 ONIS Line Blinds from 2" to 24" on a compression module with a 120 MMSCFD capacity.
- A shut down maintenance program is required every 6 months.

YOUR LINE BLINDS PAID IN 3 MONTHS OR LESS

	Traditional blinding "Figure-8"	ONIS Line blind	Benefits
Staff	10	2*	8 men exposure SAVED
Tools	Many tools, cranes...	Zero tool	Hazard and hassle SAVED
Time of blinding operation (From full bore to blinded position /blinded to full bore)	72 hours for each operation	8 hours for each operation	64 hrs of production SAVED
Loss due to downtime	\$1,000K	\$120K	\$880K SAVED
Equipment cost	Cost of Figures-8 included	\$380K	-
PAY-BACK PERIOD	-	-	70 days

*Only one operator is needed but some regulations require at least a supervisor in addition to the operator

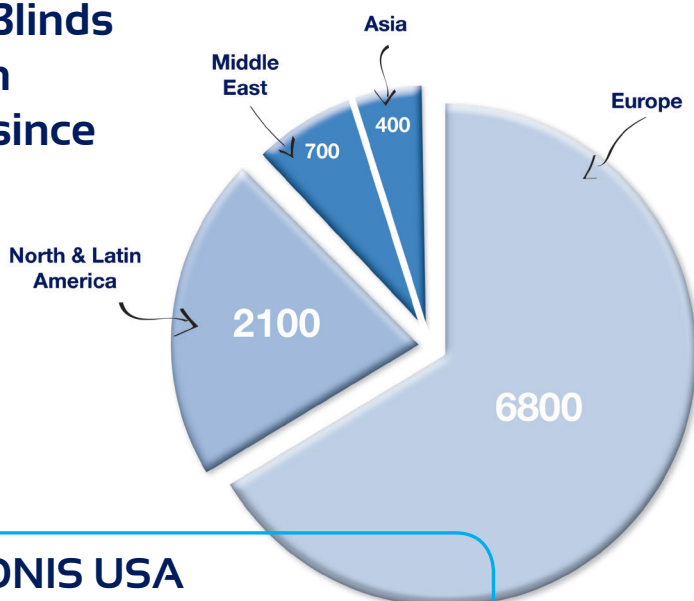
The need to maintain the different modules on an upstream oil & gas production in optimum operating conditions is essential for meeting the production requirements.

Company	Area
Aramco	Saudi Arabia
Arco	USA
PDVSA	Venezuela
Pemex	Mexico
Petrobras	Brazil
SBM	Brazil
Total E&P	United Kingdom
Total E&P	Congo
Zadco	UAE

More than 400
ONIS Line Blinds
in upstream oil & gas
operation
worldwide



10 000
ONIS Line Blinds
in operation
worldwide since
1979



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ONIS FRANCE



ONIS MIDDLE EAST



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