

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

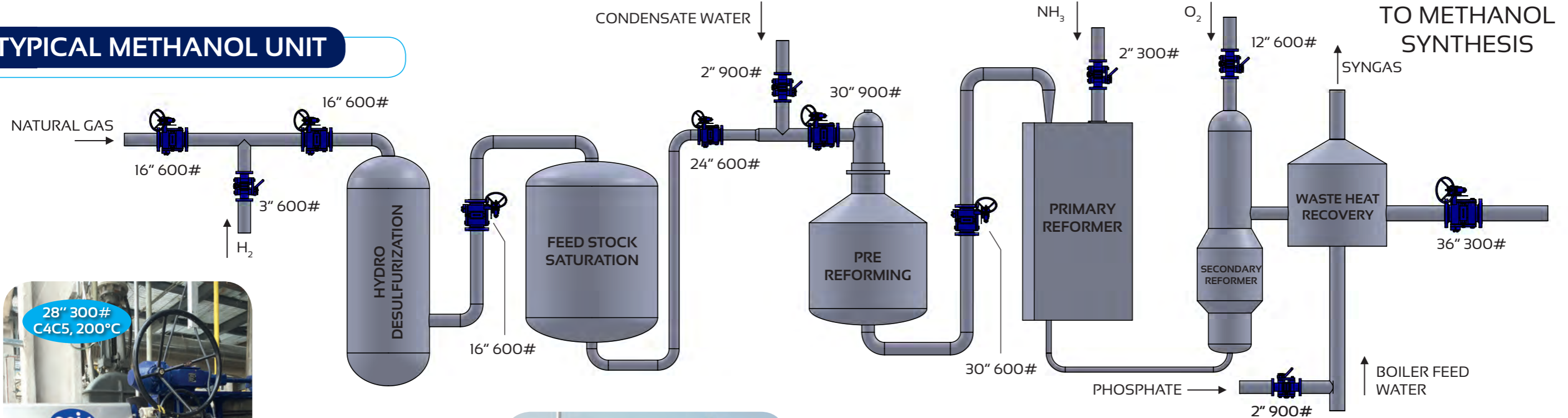


ONIS LINE BLINDS FOR METHANOL / MTO / CTO PROCESSES



100% positive isolation
while reducing downtime & improving safety

TYPICAL METHANOL UNIT



Benefits:

- Reduces downtime
- Minimizes the leak of gas to the atmosphere during blinding operations
- Lowers risks for manpower (2 operators instead of 8)
- Operations in a safe environment



Company	Area
Celanese	USA
Datang Duolun Coal Chemical	China
Metanol de Oriente	Venezuela
Sinopec - Zhongtian	China
SNCG	China
SuperMetanol	Venezuela

More than 400 ONIS Line Blinds in METHANOL / MTO / CTO operation worldwide

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

QTY	DN	PN
1	2"	300 #
2	2"	900 #
1	3"	600 #
1	12"	600 #
3	16"	600 #
1	24"	600 #
1	30"	600 #
1	30"	900 #
1	36"	300 #

BUSINESS CASE

- Replacement of 12 Figures-8 (traditional blinding) with 12 ONIS Line Blinds from 2" to 36" on a Methanol unit with a 1300 tons capacity of production per day (equivalent to \$830K of income)
- The plant is planned to be shut down once during the first year of operation, then once every two years for regular maintenance

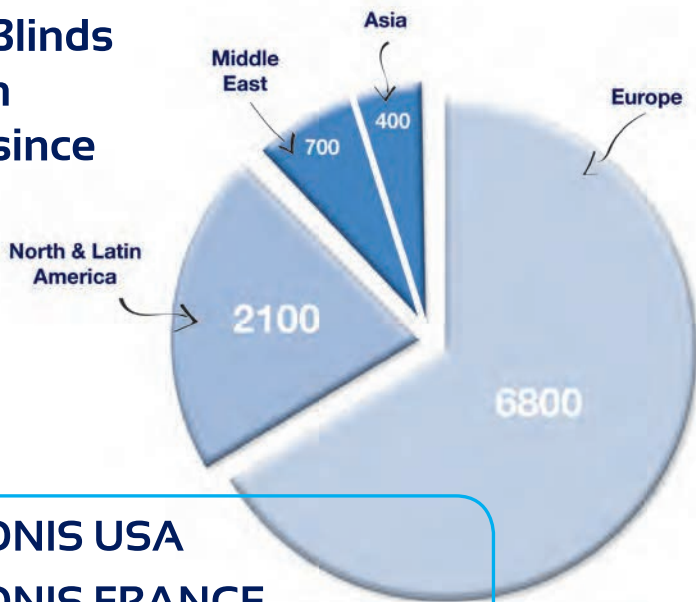
YOUR LINE BLINDS PAID IN 1 YEAR OR LESS





	Traditional blinding "Figure-8"	ONIS Line blind	Benefits
Staff	8	2*	6 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)	6 days	2 days	4 days of production SAVED
Loss due to downtime	\$5M	\$1.7M	\$3.3 Million SAVED
Equipment cost	Cost of Figures-8 included	\$3M	-
PAY-BACK PERIOD	-	-	1 year

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



10 000
ONIS Line Blinds
 in operation
 worldwide since
 1979



-  **ONIS USA**
-  **ONIS FRANCE**
-  **ONIS MIDDLE EAST**
-  **ONIS SOUTH EAST ASIA**

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ONIS website

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