

THIOPAQ O&G desulphurization technology questionnaire for Project Evaluation

We thank you for your interest in Thiopaq O&G desulphurisation process which is applicable for the removal H₂S from your process stream. Your process data and specific requirements will enable Paqell to make technical evaluations and provide you with an initial estimate of the technology added value for your project. We shall get back to you as soon as possible with our findings.

Date		dd-mm-yy	
Project details:		<enter details>	
Project name and country of project <i>Please use a unique project name, as it will be used as reference for future communication.</i>		<enter details>	
Contact person (name & title)		<enter details>	
E-mail - Phone		<enter details>	
Gas origin and downstream process			
Origin feed gas			
<input type="checkbox"/> Natural gas <input type="checkbox"/> Coal gasification			
<input type="checkbox"/> Fuel gas <input type="checkbox"/> Residue gasification			
<input type="checkbox"/> Sour off gas <input type="checkbox"/> Waste gasification			
<input type="checkbox"/> Refinery gas <input type="checkbox"/> Biomass gasification			
<input type="checkbox"/> Associated gas <input type="checkbox"/> Amine acid gas			
<input type="checkbox"/> Claus tail gas <input type="checkbox"/> Rectisol off gas			
Others:			
Treated gas use			
<input type="checkbox"/> Power generation			
<input type="checkbox"/> Chemical feedstock (specify product)			
<input type="checkbox"/> Pipeline spec			
<input type="checkbox"/> Emission/Stack/Flare			
Others:			
Process conditions	Design Range		Unit
	Min	Max	
Flow (Nm ³ /h, MMSCFD, kmol/h)			(Nm ³ /h or MMSCFD, kmol/h)
Pressure (barg, psig,MPag)			(barg or psig or MPag)
Temperature (°C, °F)			(°C or , °F)

Composition Inlet				
	Present	Unit (preferred mol%)	Maximum (design)	Range
H ₂ S	• yes / no			
CO ₂	• yes / no			
CO	• yes / no			
CH ₄	• yes / no			
C ₂ H ₆	• yes / no			
C ₃ H ₈	• yes / no			
C ₄ H ₁₀	• yes / no			
C ₅ H ₁₂	• yes / no			
C ₆ H ₁₄	• yes / no			
C ₇ ⁺	• yes / no			
Other HC	• yes / no			
Trace contaminants				
	Present	ppm	Maximum (design)	Range
NH ₃	yes / no			
COS	yes / no			
Mercaptans	yes / no			
SO ₂	yes / no			
HCN	yes / no			
BTX	yes / no			
MeOH, Glycol and TEG.	yes / no			
Other known trace components.				
Product (treated gas) requirements				
H ₂ S out (ppm)				
Total sulphur out (ppm)				
Intended sulphur outlet				
Others				
Any other comments/design considerations?	<i><enter details></i>			
Please mail to:	hans.wijnbelt@paqell.com or bob.vandegender@paqell.com			