

Institutional presentation



+1.000
Clients



+10
Countries around
the world



+15
Markets



+2.000
Projects - last 10
years



+35
Engineers

9
Masters

2
Doctors



+30
Years of
experience

RESEARCH & DEVELOPMENT

Clark Solutions has established its base on a qualified engineering team, a close relationship with universities and partnership with research programs to continuously develop new products and improve the product lines.



Test bench and pilot operation: 6 experimental equipment



R&D laboratory with 150m²



10% of employees in R&D: Engineers, doctors and masters.



Several technological patents for the process industry



TECHNOLOGY PARTNERSHIPS



1. Understanding to solve



1. Technological development
 - Laboratory tests
 - Pilot tests
 - Process customization
 - Scale-up
2. Technology licensing
3. Factory optimization
4. Elimination of bottlenecks
5. Increasing capacity

2. Customized solutions



1. Feasibility studies
2. Technology selection
3. Planning
4. Solution Development
5. Monitoring and Evaluation

3. Project execution



1. Project management
2. Basic and detailed engineering
3. Procurement
4. Construction / Manufacturing
5. Proprietary engineering
6. Environmental impact assessment

End-to-end solution

SULFURIC ACID PORTFÓLIO



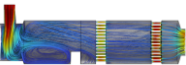
Towers & Pump Tanks
Brick-Lined & Special Alloys



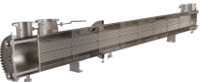
Heat Recovery
SAFEHR®



Modular Plants
Sulfuric Acid



Engineering Services
Complete Projects &
Problem Solving



SAFEHX®
Anodic Protection &
Special Alloys



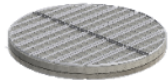
Special Alloy
CSX™



Packing Support
MaxiDome



Packing Support
Alloy Grid



Mist Eliminator
MaxiMesh®



Mist Eliminator
FiberBed®

Mist Elimination



Liquid Distributor
MaxiFlow™ CD

Acid Distribution



Liquid Distributor
MaxiFlow™ T

Ceramic Packing



Random Packing
MaxiSaddle®

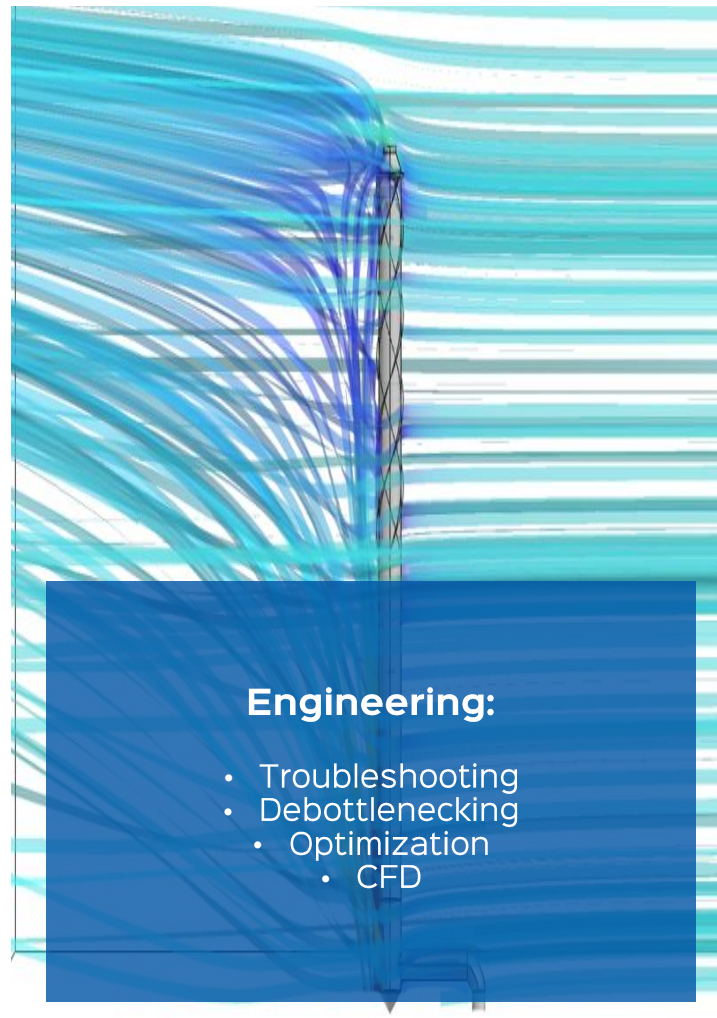


Random Packing
MaxiSaddle® BPC



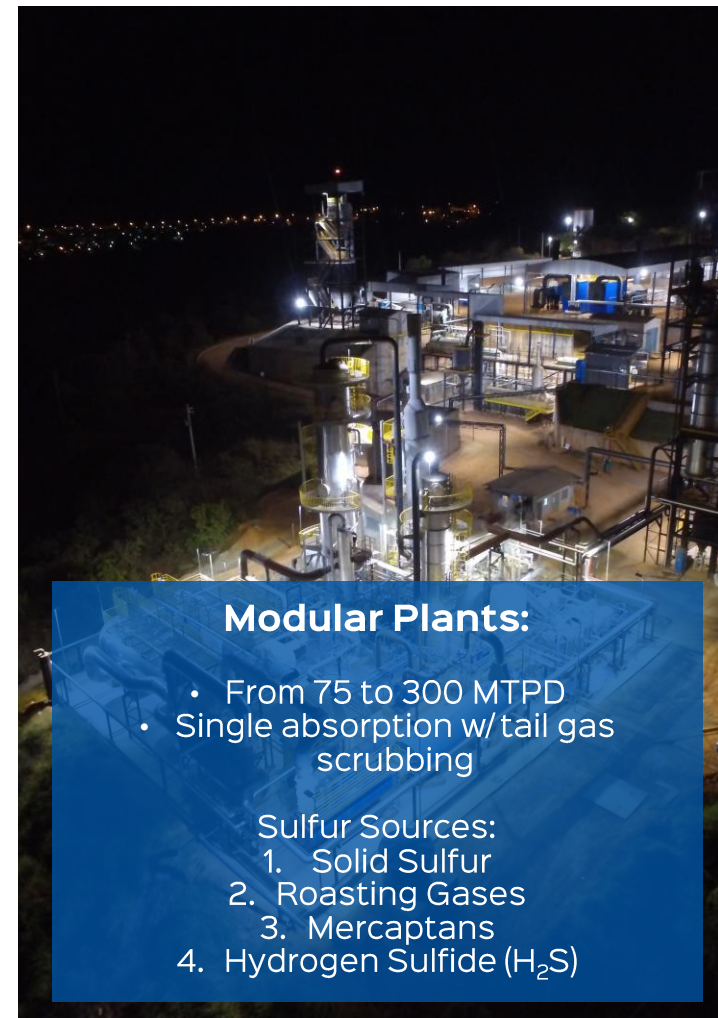
Full Systems:

- From Concept to Commissioning
- Drying & Absorption Towers
 - Tail Gas Scrubbers
 - Sulfur Melting System



Engineering:

- Troubleshooting
- Debottlenecking
- Optimization
 - CFD



Modular Plants:

- From 75 to 300 MTPD
- Single absorption w/ tail gas scrubbing

Sulfur Sources:

1. Solid Sulfur
2. Roasting Gases
3. Mercaptans
4. Hydrogen Sulfide (H_2S)





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