











# Sulfur Management Services

















*We get the job done right  
the first time.*

Carmagen Engineering, Inc.'s (CEI) sulfur management experts have all the skills necessary to provide technical consultation on your new or existing facilities that address sulfur removal, recovery, production, and product handling. This includes robust staff experience with a broad range of applications such as:

 Licensed sulfur plants (including oxygen enrichment)	 Sulfur storage
 Tail gas treating units	 Acid gas treating
 Product degassing	 Amine Regeneration utilizing various solvents (e.g., MEA, DEA, MDEA, Flexsorb, etc)
 Molten product sulfur transfer	 Sour Water Stripping (single or multiple-stage)
 Product solidification / pelletizing	 Incineration facilities

Our industry-recognized consulting staff would be a great resource to augment your sulfur group, a project team, or to address specific design issues, performance improvement, debottlenecking, or operations troubleshooting that requires more specialization and experience than might be readily available within a client's staff.

Sulfur Management Services offered to process industries include:

 Feasibility and preliminary designs for technical option evaluation or budgetary assessment	 Plant operations/unit debottlenecking support and troubleshooting
 Front end engineering design (FEED) studies	 Hydraulics
 Design Basis Preparation	 Specialty engineering support, including metallurgy, fired equipment, combustion, etc.
 Technology screening, licensor evaluation and liaison	 Safety, utility, and environmental considerations
 Plant performance optimization, flexibility, and energy conservation studies	 Operating guidelines and performance test procedures
 Process equipment specification support	 Commissioning and start-up support
 Cold eyes reviews (CER) of third-party designs	 Litigation support
 Cost reduction task force (CRTF) support	 Mentoring and training

Since CEI has a wealth of engineering experts with an average of over 30 years experience in virtually all aspects of the process plants industry, we can offer fit-for-purpose consultation that results in practical solutions and gets the job done right the first time.

*To find out more about what Carmagen can do for you, check out our website or contact Jerry Lacatena at [jlacatena@carmagen.com](mailto:jlacatena@carmagen.com).*

All the right people in all the right places.<sup>SM</sup>

**CARMAGEN**  
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