



# PLANT SYSTEMS ENGINEERING

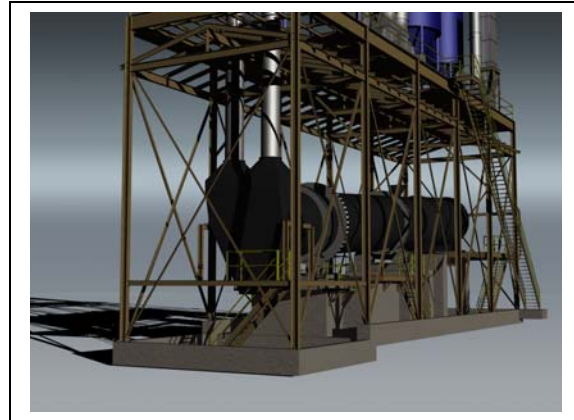
## PLANT DESIGN: MINERAL PROCESSOR

Project Requirements: An upper mid-west mineral processor wanted to significantly upgrade its crushing and screening operations.

Working with the client developed process flow, provide detailed engineering and specifications for the bidding and construction of this project.

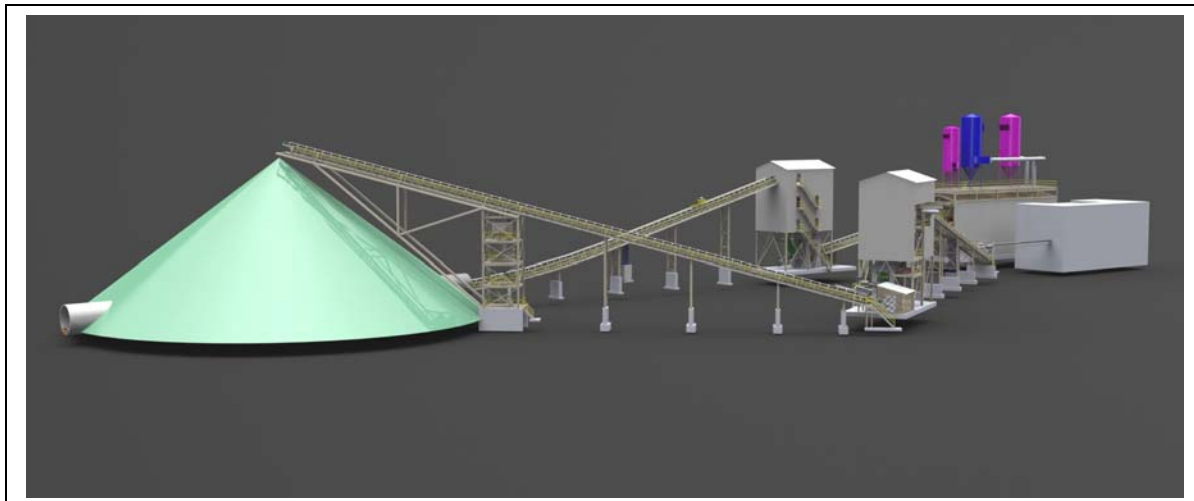
### Project Elements:

- Two crushing and screening towers
- One Reclaim tunnel
- Six belt conveyors
- One rotary rock dryer
- Three integrated dust collection systems



Starting with a geo-technical survey we developed foundation, structural, mechanical and electrical engineering packages for the successful construction and operation of this \$10M plant. The plant was designed using SolidWorks and AutoCad.

Design review and pre-bid meetings were conducted with the 3-D SolidWorks model.



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