

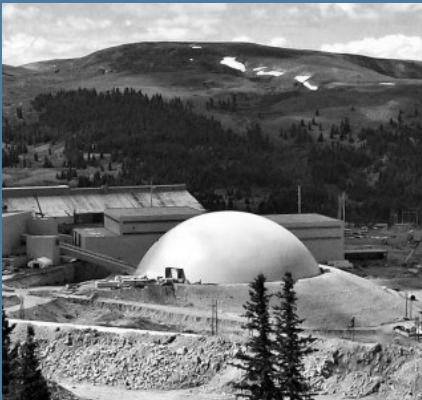


DOME TECHNOLOGY

# MINING OVERVIEW

# MORE STORAGE, SMALLER FOOTPRINT

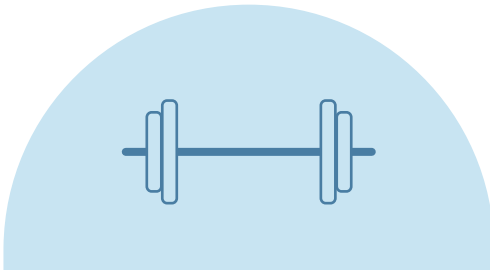
Store more product on a smaller piece of land than within a silo of comparable dimensions. A Dome-Silo can be filled to the top since it can support the pressure of product at all points of the structure; additional storage is available thanks to a nearly flat floor rather than a steep cone.



- Ideal for remote and portside locations
- Compatible with diverse handling systems
- Truss-free interior discourages dust buildup
- Built with local workforce
- Hot-spot detection comes standard with products prone to self-heating
- Designed with explosion and fire prevention in mind

## PRODUCT PROTECTION

A dome provides optimal storage for mined products. The apex can easily support large loads from the headhouse and conveyors, and the overall system is efficiently designed for filling, storage, and reclaim systems.



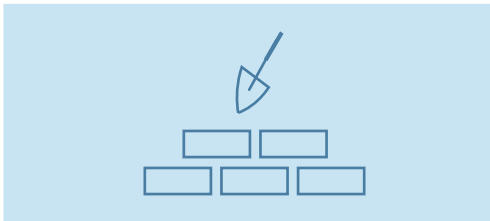
### Strength for the long term

The dome is built to last indefinitely. Its construction makes it weather resistant, even in natural disaster, and its round geometry means higher tolerance for settling or withstanding impact.



### A sealed envelope

Thanks to the dome's reinforced-concrete construction and exterior PVC waterproofing airform membrane, product stored inside is completely confined with no chance of interaction with the environment.



### Deep-foundation alternatives

Establishing the right foundation will always be of utmost concern on a port with low-strength soils. The Dome Technology team specializes in exploring innovative alternatives to expensive deep foundations.



### INNOVATIVE CONCEPT

Dome Technology has pioneered proprietary round explosion panels ideal for products prone to deflagration. Whether a pre-manufactured rectangular panel or a metal cladding piece, a squared-off panel creates a weak spot. Round panels are preferable because there are no sharp corners for stress concentration.

### A turnkey solution

Select our team to provide the entire package. We invented the dome-construction process and can provide the design and installation of the mechanical systems required for bulk storage, from equipment on the inbound side to reclaim systems and throughput speed.

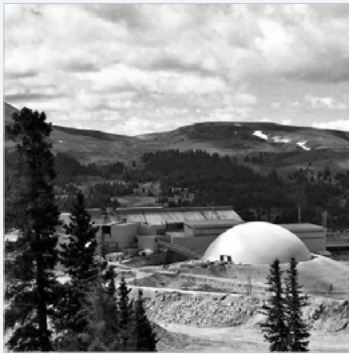
### Flexible scope of work

We typically employ a design-build method for the entire project, but for those seeking support in specific portions of projects, we do that too, and we often do it in innovative ways.



China Coal Hulusu Mine  
Ordos City, Inner Mongolia, China

- 3 domes: 54m (117ft) wide x 59m (194ft) tall
- 180,000 metric tons total, coal
- 3 tunnels, 100% live reclaim



Climax Molybdenum Mine  
Leadville, Colorado, USA

- 1 dome: 101m (330ft) wide x 32m (105ft) tall
- 52,000 metric tons, molybdenum
- 1 tunnel, 35% live reclaim



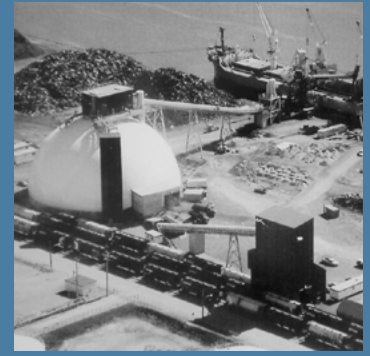
China Coal Menkeqing Mine  
Ordos City, Inner Mongolia, China

- 3 domes: 54m (117ft) wide x 58 meters (192ft) tall
- 180,000 metric tons total, coal
- 3 tunnels, 100% live reclaim



ADM Clinton Cogeneration  
Clinton, Iowa, USA

- 1 dome: 91m (298ft) wide x 50m (164ft) tall
- 60,000 metric tons, coal
- Stacker reclaimers



Raglan Mine  
Deception Bay, Québec, Canada

- 1 dome: 50m (164ft) wide x 25.6 meters (84ft) tall
- 46,000 metric tons, nickel concentrate
- Cambelt mechanical screw



National Gypsum  
Gibsonton, Florida, USA

- 1 dome: 61m (200ft) wide x 30.5m (100ft) tall
- 30,000 metric tons, gypsum
- Front-end loader

# PROJECT PORTFOLIO

The facility you need with the protection your product demands can be yours. Select Dome Technology for customized storage unique to what you do, just like these customers and **more than 20** others in the mining industry have done.



[www.dometechnology.com](http://www.dometechnology.com)



Hovensa Coker Storage  
St. Croix, U.S. Virgin Islands

- 2 domes: 77.1m (253ft) wide x 38.1m (125ft) tall
- 60,000 metric tons total, coker
- Stacker reclaimers