

DOME TECHNOLOGY®

SUGAR

*We build storage, and we have a solution  
with great benefits for you.*



# CUSTOM STORAGE & COST SAVINGS

Raw or refined, sugar is best stored in a DomeSilo by Dome Technology.

But DomeSilos aren't just for storage; in the case of white sugar, they also function as maturation facilities, where aeration controls humidity and temperature in the stored sugar. Customization comes standard with every DomeSilo. Because we work with expert vendors in various industries, we save customers money at the front end and in the long run since the DomeSilo is built to last indefinitely. Steel storage and cylindrical concrete silos can't say the same.



## FOOD-GRADE COATING

DomeSilos storing sugar for human consumption must have a food-grade coating achieved with certified paint applied to the inside

of the DomeSilo walls. It's a delicate process Dome Technology has been employing in sugar storage for years.

## TOP BENEFITS OF DOMESILO STORAGE

### Product protection

If you had millions of dollars to secure, you'd buy a very good safe. Consider the DomeSilo your "safe" for valuable sugar.

An exterior PVC membrane covers the DomeSilo for complete waterproofing and contamination prevention. Thermal insulation means no condensation either. All DomeSilos are insulated, but this layer is multiplied in sugar DomeSilos because maintaining a consistent climate is so essential.

### Climate-control systems

Interior temperatures are stabilized in the DomeSilo, thanks to customized climate-control systems that help product stay in prime conditions.

### Product rotation

First in, first out is no problem in a DomeSilo. Multiple hoppers and reclaim systems make cycling product easy.

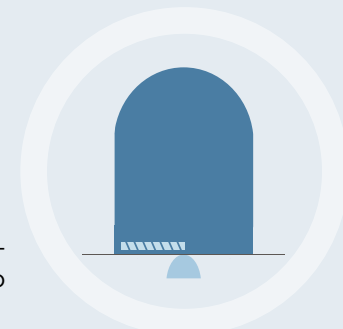
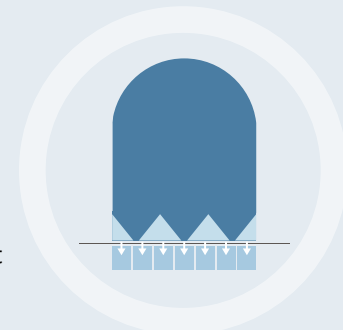
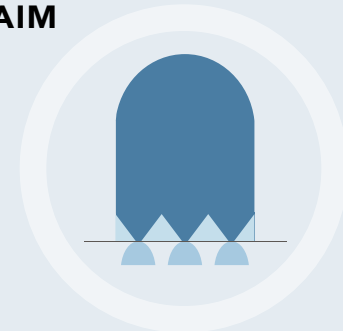
## TWO COMMON RECLAIM OPTIONS

### 1. GRAVITY RECLAIM

For raw sugar, product flows to one, two, or three tunnels, where conveyors move it for reclaim. For white sugar, product flows through hoppers to a cellar below the DomeSilo. Almost all the sugar is gravity reclaimed. Keeping personnel outside maintains product integrity.

### 2. SCREW CONVEYOR

Two models are available. First is a screw reclaimer, which operates with sugar piled on top. This option only works for DomeSilos with a diameter of 25 meters or less. The second is a clean-up screw reclaimer, which operates in conjunction with gravity reclaim. Once gravity has done its work, the screw reclaims the remaining material to hoppers. This model is an option for domes up to 60 meters in diameter.





# PROJECT PORTFOLIO

The facility you need can be yours. Select Dome Technology for customized storage unique to what you do—it's what we've provided in every sugar dome we've built. See the details below.



## OMAN SUGAR REFINERY COMPANY

Port of Sohar, Oman

One DomeSilo, 30,000 mt

124 feet (37.8m) in diameter X  
154 feet (47m) tall

## AMERICAN CRYSTAL SUGAR, DOMESILO 2

Montgomery, Illinois, USA

One DomeSilo, 75,000 mt

184 feet (56.1m) in diameter X  
146 feet (44.5) tall



## AMERICAN CRYSTAL SUGAR, DOMESILO 1

Montgomery, Illinois, USA

One DomeSilo, 60,000 mt

184 feet (56.1) in diameter X  
134 feet (40.8m) tall

## MAGYAR CUKOR

Kaposvar, Hungary

One DomeSilo, 54,400 mt

192 feet (58.5m) in diameter X  
126 feet (38.4m) tall



## INGENIO MAGDALENA

Escuintla, Guatemala

One DomeSilo, 75,000 mt

203.4 feet (62m) in diameter X  
152.6 feet (46.5m) tall

## DURRAH SUGAR REFINERY

Yanbu, Saudi Arabia

One dome, 40,000 mt

171 feet (52m) in diameter X  
134.5 feet (41m) tall

