

*McInnis Cement
Providence, Rhode Island, USA*



DOME TECHNOLOGY®

ANNUAL REPORT 2020

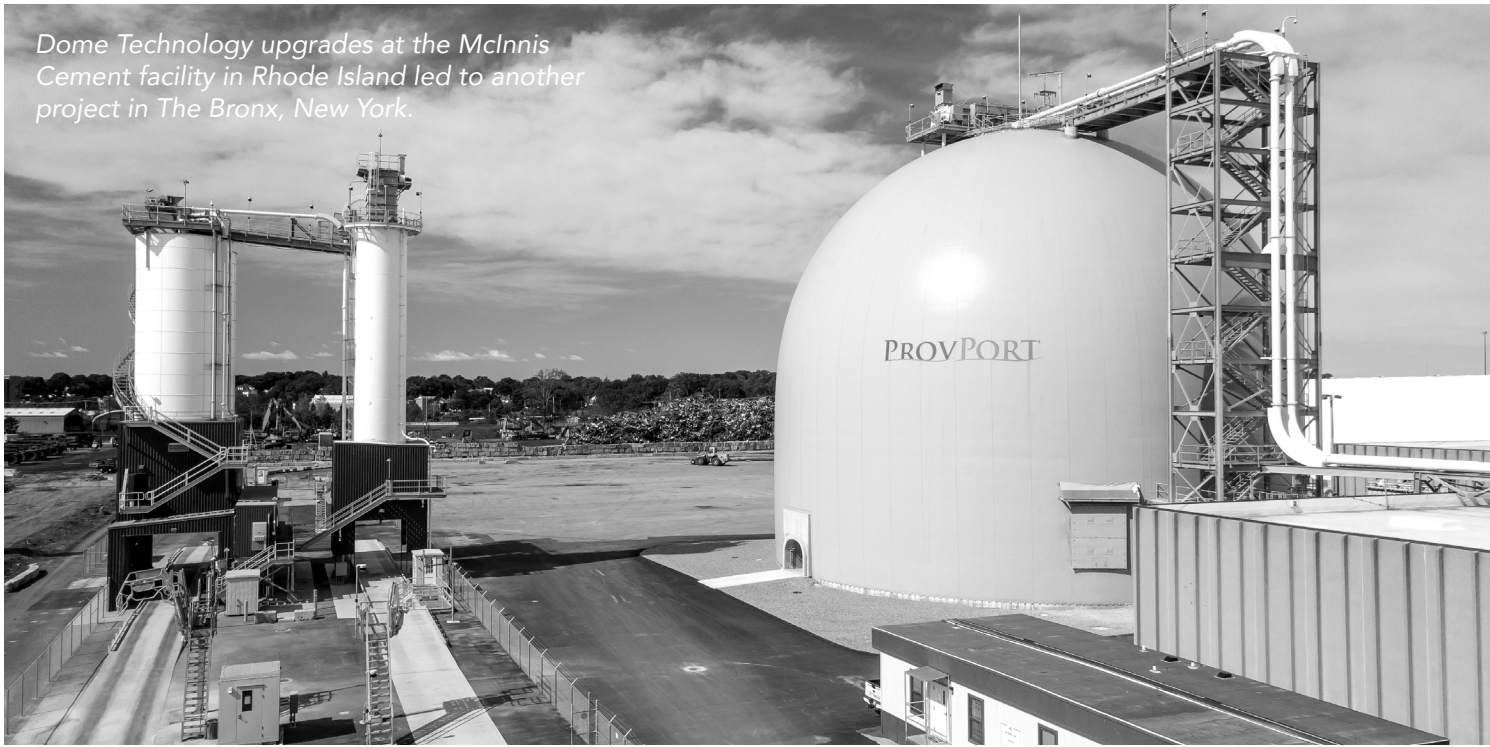


*Upgrades to Dome Technology's
structural-steel capabilities*



Highlights from our diverse scope of work
Published January 2021
www.dometechnology.com

Dome Technology upgrades at the McInnis Cement facility in Rhode Island led to another project in The Bronx, New York.



A MULTI-PROJECT CUSTOMER

Dome Technology expands two McInnis port facilities

In recent years McInnis Cement has been busy building itself as a serious player in the industry, and it's not finished yet.

As part of its efforts to grow business, McInnis built a facility in Providence, Rhode Island, and after two years in operation, the company was ready for an upgrade featuring a new DomeSilo for cement storage that would supplement existing flat storage.

"The initial 30,000-ton flat-storage warehouse has been very functional, and it will continue to be used in conjunction with the new storage dome. However, the dome storage was selected for the expansion because the warehouse operations had various limitations. While we were reclaiming from that, we couldn't offload a ship," said project director Dominic Demers, adding that unloading would often pause for 10 to 12 hours a day during warehouse reclaim operations. "For phase two, we wanted to combine operation flexibility and maximum utilization of our growing marine fleet."

One project hurdle was the municipi-

ality's height restriction, a requirement that "made it uneconomical for us to build silos, and we wanted to keep the operating cost low," Demers said. "A dome was the natural choice for us."

The DomeSilo is 134 feet in diameter with a storage capacity of 40,000 metric tons. To maximize the terminal's abilities, McInnis

selected a barge unloader rated at an aggressive 800 metric tons per hour. Dome Technology executed a prime contract directly with McInnis for the dome storage, structural steel, and mechanical work for pneumatic transport and cement reclaim. In addition, piping on the loading side needed to be routed up and over the existing warehouse; it was then anchored to a structural stair tower as it climbed to the dome apex. Load bearing on the warehouse wasn't an option, so a new truss and structur-

al-steel supports carry the weight.

Part of keeping operating costs low came from the system's ability to keep product flowing. A dome with automatic reclaim allows McInnis to offload a ship while simultaneously reclaiming—no need to pay demurrage costs.

"What that's going to allow us to do is to offload to the dome without having to stop. So

it will drastically reduce our unloading costs," Demers said. McInnis Vice President, Sales and Marketing, Francis Forlini agreed, adding that this new system reduces operating costs by not having to double-handle product inside the warehouse.

The project in Rhode Island led to another McInnis project: installing an additional truck loadout lane at an existing terminal in The Bronx, New York. Dome Technology completed this project in 130 days.

"We wanted to keep the operating cost low. A dome was the natural choice for us."

Dominic Demers
McInnis project director

The future looks bright

CEO message

The year 2020 has made an impression on all of us in some way. Dome Technology finished the year very strong with the completion of several great projects, advances in our steel fabrication capacity, and a record year of sales. We remain the world leader in dry-bulk dome storage solutions and much more. The future looks bright, and we have much to be grateful for!



Bradley Bateman
Dome Technology CEO

Company plays key role in National Storm Shelter Association

For members of the National Storm Shelter Association like Dome Technology, planning for the future and protecting people from natural disaster is a year-round focus.

NSSA was formed in 2001 to ensure the highest quality of manufactured and constructed storm shelters nationwide. Dome Technology is a long-standing NSSA member, and sales manager Daren Wheeler sits on the NSSA board as communication vice president.

According to Wheeler, the benefit of getting involved in NSSA is "having a seat at the table" to discuss current issues and provide or receive input about what happens in the world of storm shelters. Of interest currently are revisions to ICC 500, the FEMA building code for storm shelters. For more information, visit www.nssa.cc.

The South Summit Fire Protection District fire station houses seven emergency vehicles and has room for more.



STYLE & STRENGTH

New Utah fire station boasts modern design, ability to grow

South Summit Fire Protection District selected a dome for its new fire station in Kamas, Utah, USA, just 15 miles from Park City. The two-story Station 41 is 13,500 square feet and includes office and storage space as well as ample emergency-vehicle parking. The dome portion is 120 feet in diameter with a total ceiling height of 35 feet. The station's size allowed administrators to move their remote offices into the new building as well.

The dome design isn't traditional in its appearance, but innovative construction methods and materials distinguish it from stick-built or steel structures. Walls made of insulated concrete forms moderate temperature fluctuations, reducing utility bills and stabilizing the interior climate so that "you can walk in that building any time of year, and it will be comfortable with minimal energy costs," Dome Technology sales manager Daren Wheeler said.

The exterior was designed to complement the looks of the area, especially the nearby Dejoria Center that draws tourists—and their money—to the local economy. "The positive part of the aesthetics is that it blends very well with the community and the Park City style," Wheeler said. "It's a modern-looking building."

According to Park City and Summit County news agency The Park Record, South Summit fire chief Scott Anderson said the completed building will protect against natural disasters and provide an emergency shelter for locals. The project cost \$2.6 million; other bids ranged from \$8 million to \$14 million.

ideal for parking emergency vehicles; the fire district currently houses seven vehicles and has space for an ambulance as necessary in the future.

Getting the Kamas Valley community on board with the innovative design was a challenge, but they've been pleased with the finished product, especially the interior, Station 41 captain and board commissioner Jackson Coleman said. "It's going to help bring us into the future," he said.

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A BROADER SCOPE OF WORK

New equipment additions increase Dome Technology's structural-steel capabilities

In 2020 Dome Technology invested in a Voortman B808, allowing the company to offer support with scoring, labeling, hole punching, and more, saving suppliers time and lending precision to projects. This year nearly **600 tons of steel** were fabricated in the shop.

With a fabrication shop on the same campus as corporate construction headquarters, it's easy for engineers and construction managers to work closely with team members who build features like stair towers, work towers, buildings conveyor supports, handrails, and walkways.

"We're tied closely to the dome, so we know what (customers) want, and we know how everything interfaces," said Dome Technology shop operations manager Kirby Sheldon. "We'll see problems other fabricators won't see."

A crane was also installed in the shop, providing greater ability to maneuver steel during projects. "I am thankful that when my dad (Dome Technology founder Barry South) built our fabrication more than 20 years ago, he made provisions for



A crane installed in 2020 increases the ability to move steel during work.

a future installation of an overhead crane that spans nearly the entire diameter of the building," VP of operations Dan South said.

NEW WEBSITE LAUNCHES, EASIER TO SEARCH

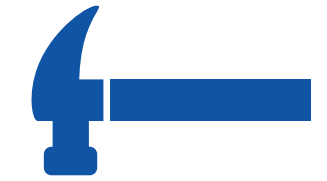
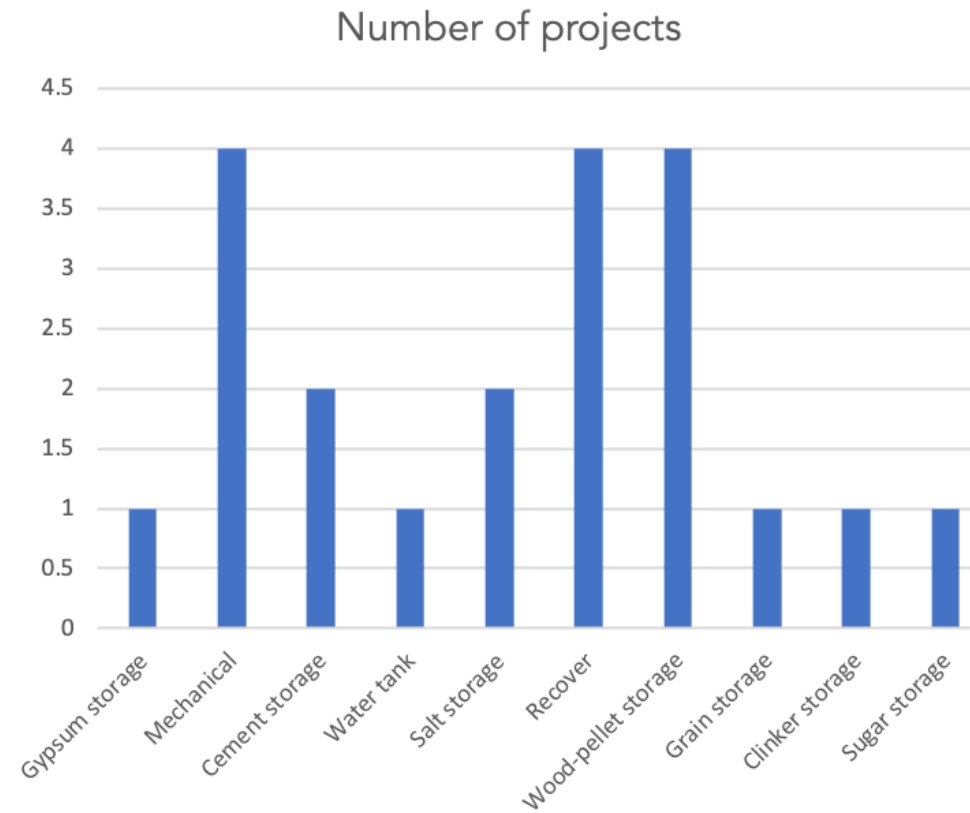


Dome Technology has launched an updated website with easier searchability, more information on available services, and improved readability.

The new site includes industry-specific information so potential customers can quickly determine how Dome Technology can best serve them. Also, the distinction between industrial and commercial construction is clearer, better meeting the needs of diverse customers.

The video library now highlights 21 videos organized into industrial and commercial categories.

Check out the new site today! Visit www.dometechnology.com.



2020 PROJECTS AT A GLANCE

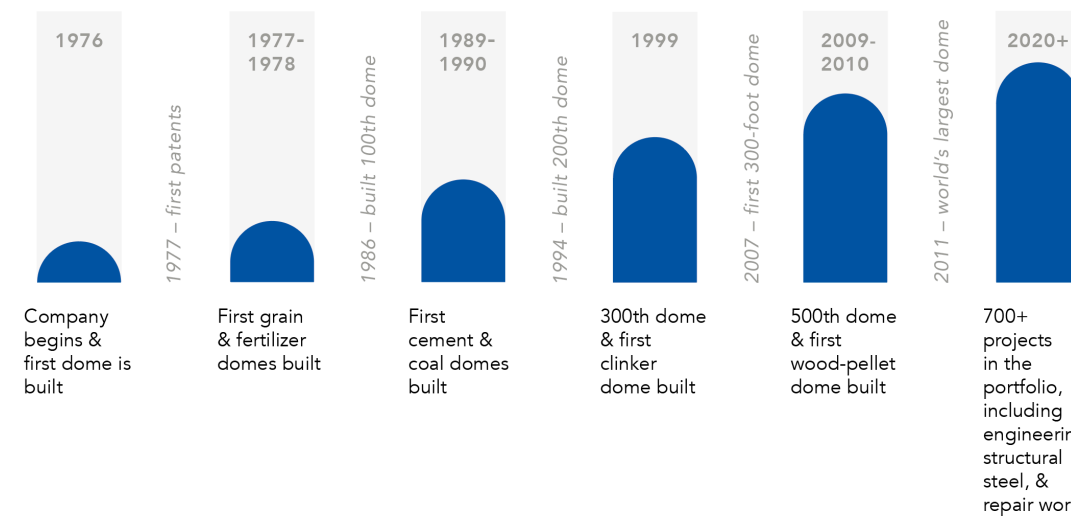
Last year Dome Technology began 21 new (and varied!) industrial projects. See the breakdown in the graph at left.

Details about completed work are published on our website. Look for new posts every Monday at dometechnology.com/company/articles.

KEY-BENEFITS BROCHURE AVAILABLE NOW

Document discusses dome advantages, available models, & company history

GROW WITH DOME TECHNOLOGY



An updated company document explains the 10 key benefits of dome construction, ranging from building strength to shorter construction time.

The brochure also includes a description of different dome models and a brief company history showing how the team has grown its 40-year portfolio to include more than 700 projects.

To download the document, [click here](#).

This graph is included in the new brochure and illustrates important company milestones during 40 years of business.