Industrial Covers

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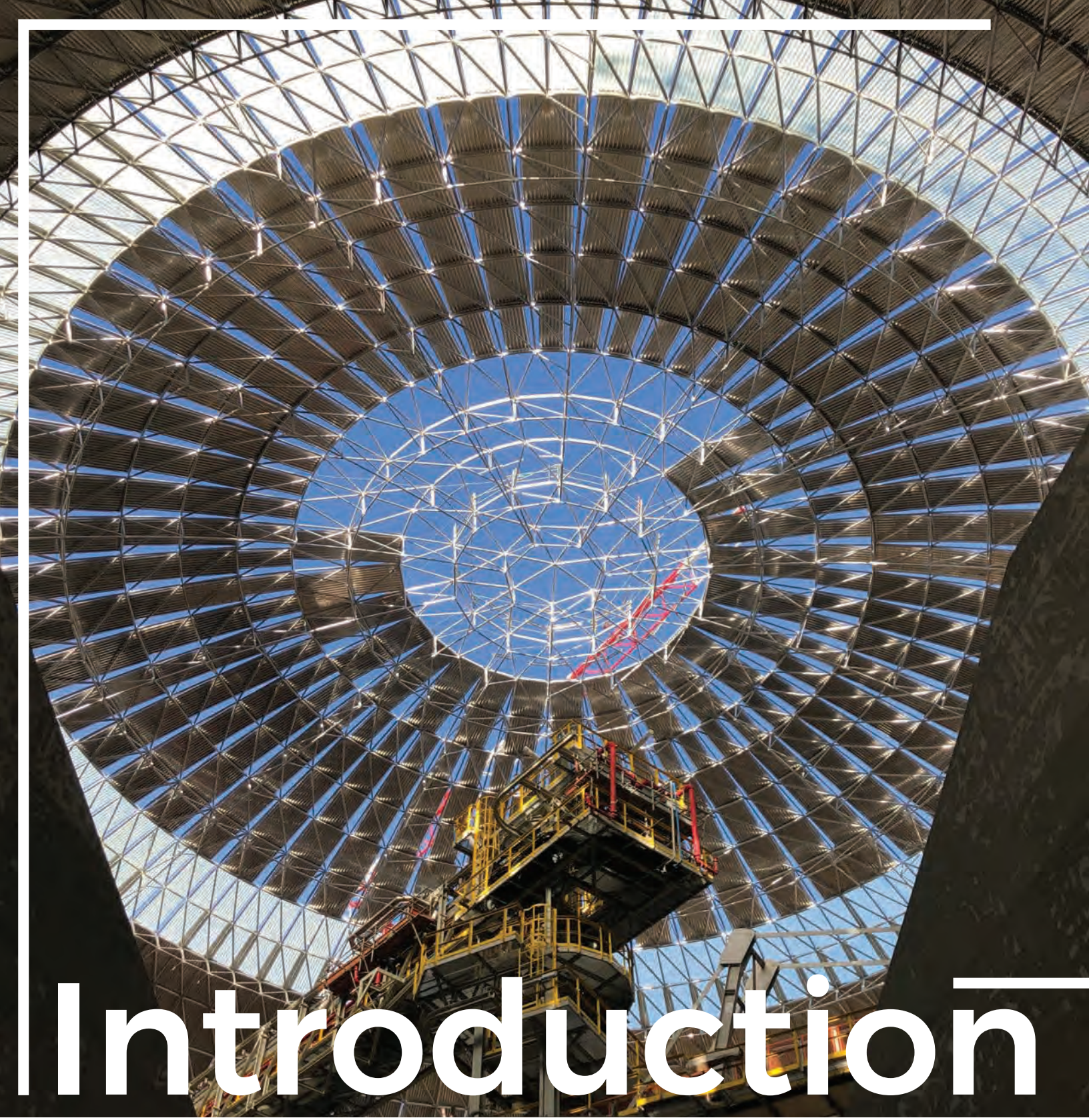


Introduction

Since 1962, Triodetic has been an internationally recognized leader in industrial applications to protect processing equipment, store materials, minimize dust problems and explosion risks. Ideal for mining, cement, coal and port facilities.

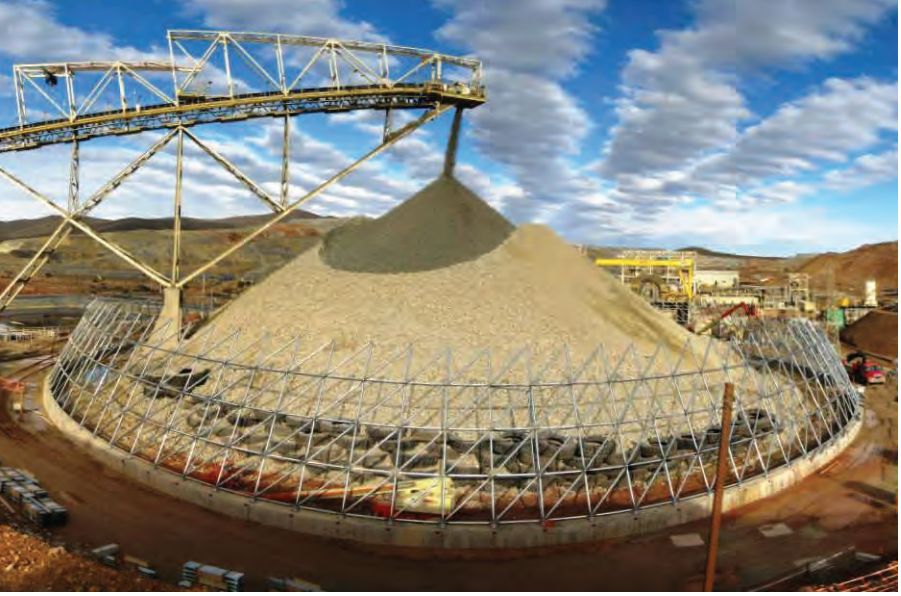
Triodetic custom designs, engineers and manufactures its industrial covers in-house at its facility in Canada—meeting all topographical challenges, load requirements and international building codes—using 100% North American aluminum and steel.

Al-Zour Oil Refinery Domes – Zour, Kuwait

The oil refinery is located on the Persian Gulf. The Port Facility Project consisted of two 88m diameter aluminum domes. Aluminum was chosen because of the corrosiveness of sulfur.

Bell Creek Gold Mine Dome – Porcupine, Ontario, Canada

Located in the mining belt of Northern Ontario, this 55m diameter dome has the conveyor coming in through its side. Depending on the technical specifications and preferences, the conveyor can either discharge from the side of the dome or from the top of the dome.



Carmen de Andacollo Copper Mine Dome – Elqui, Chile

This 92m diameter dome located in Northern Chile was installed while the stockpile was working without the need to stop operations. Advantages of Triodetic domes are efficiency, speed and safety of installation from the outside, using man-lifts and baskets, without stopping mining operations.

Quellaveco Dome – Moquegua, Peru

High in the Peruvian Andes, the 124-meter elliptical Quellaveco Dome showcases engineering excellence. Designed to withstand seismic activity, high winds, and harsh conditions, it combines advanced materials with precision engineering. Supported by a 3-meter concrete wall, it features translucent panels for natural light and integrates seamlessly with mining operations, exemplifying Triodetic's commitment to durable, efficient solutions for challenging environments.

Elko Nevada Dome USA

Triodetic custom designs and engineers its structures to meet all topographical challenges, load requirements (seismic, snow, wind, etc.) and international building codes.

Escondida Copper Mine Longitudinal Barrel Vault – Atacama Desert, Chile

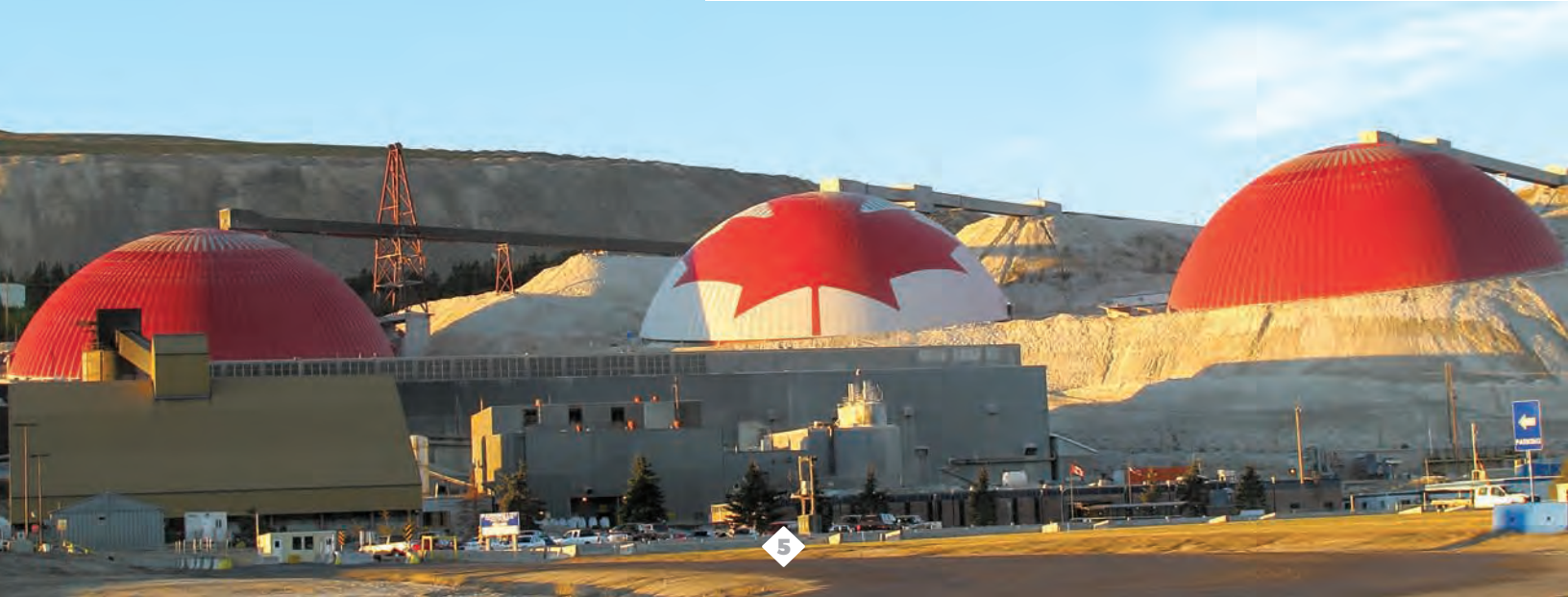
Triodetic's first Chilean as well as its first barrel vault project (156m long x 60m wide). With its 60+ years' experience in architectural, innovative and custom design projects, Triodetic's repertoire is not limited to geodesic domes.

Goldex Mine Dome – Val D'Or QC, Canada

The 62m diameter stockpile dome was the first project carried out in Quebec. A second dome was later installed in Val d'Or at Lamaque Gold Mine.

Highland Valley Copper Mine Domes – Logan Lake BC, Canada

One of Triodetic's signature projects, the Mine is close to the city of Kamloops in British Columbia. The challenge consisted of designing, engineering, manufacturing and installing 3 (three) – 105m diameter domes, side by side, on a sloped site, while the mineral stockpiles were operating.

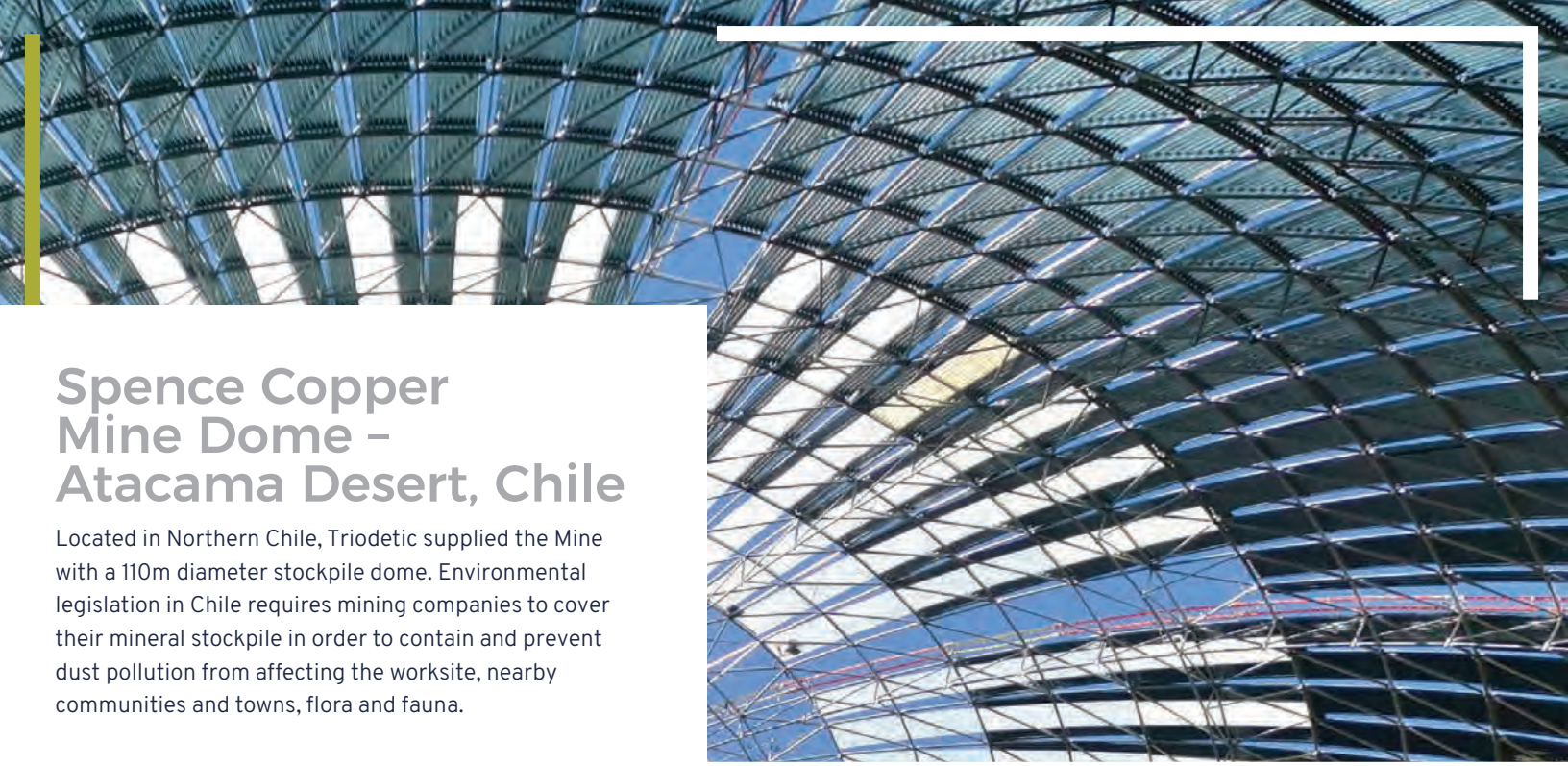


Meadowbank Gold Mine Dome – Kivalliq Nunavut, Canada

Located in Nunavut Territory, this 62m diameter dome is Triodetic's most northernmost project, where temperatures range from +30 degrees Celsius in the Summer to -50 degrees in the Winter. Triodetic has a long track record of carrying out projects and manufacturing structures resistant to extreme temperatures, altitudes, corrosive environments and loads (ice, snow, seismic, wind, etc.).

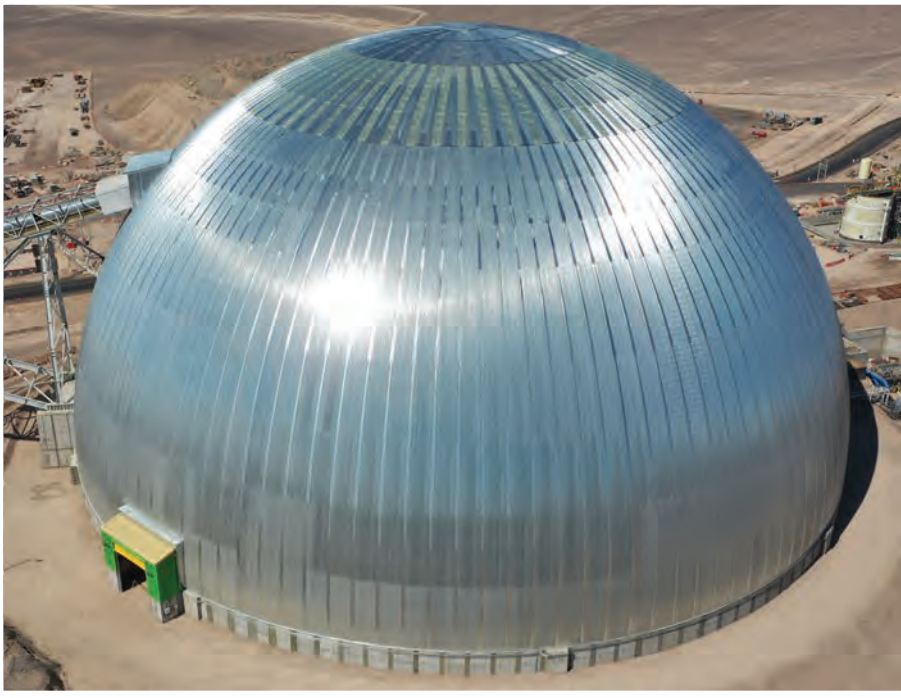
Pirquitas Silver Mine Dome – Jujuy, Argentina

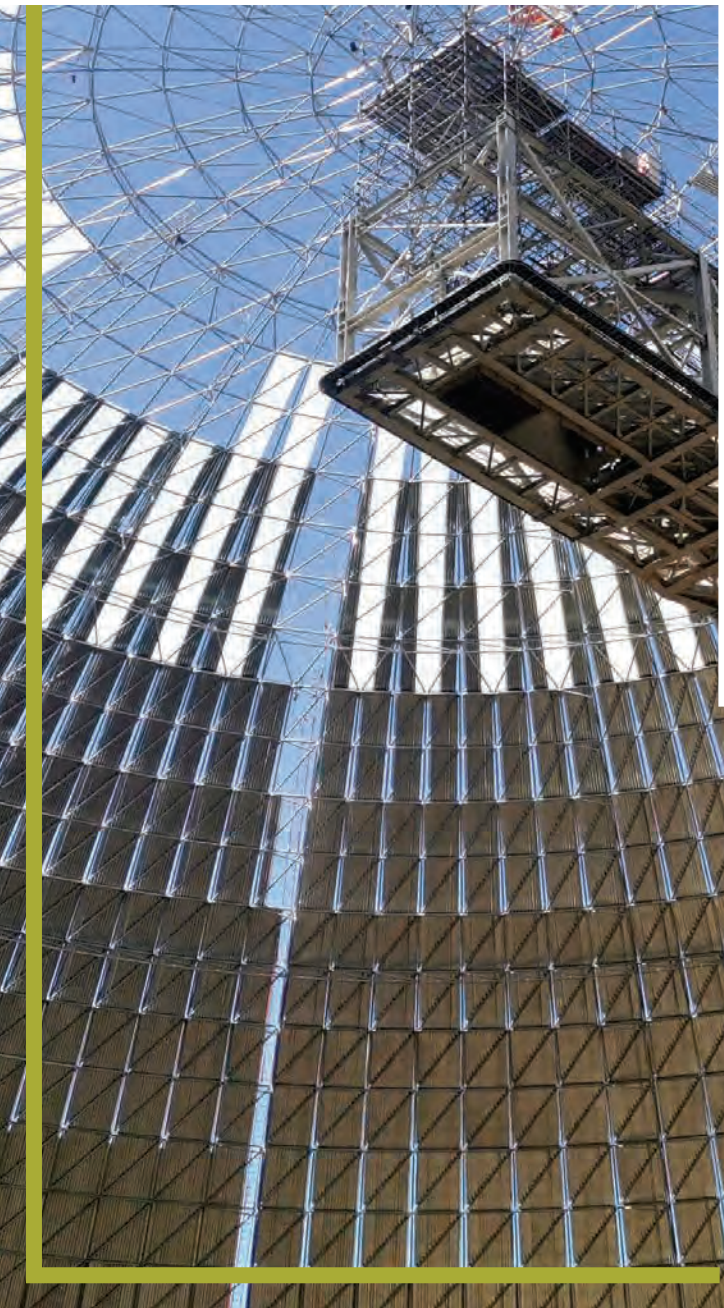
Located in the Andes Mountains in Northern Argentina, 4,000m above sea level. Due to high winds at the mine, dust contamination from the mineral stockpile was affecting mine operations as well as the nearby town, flora and fauna. The 64m diameter Triodetic dome effectively stopped the dust pollution.

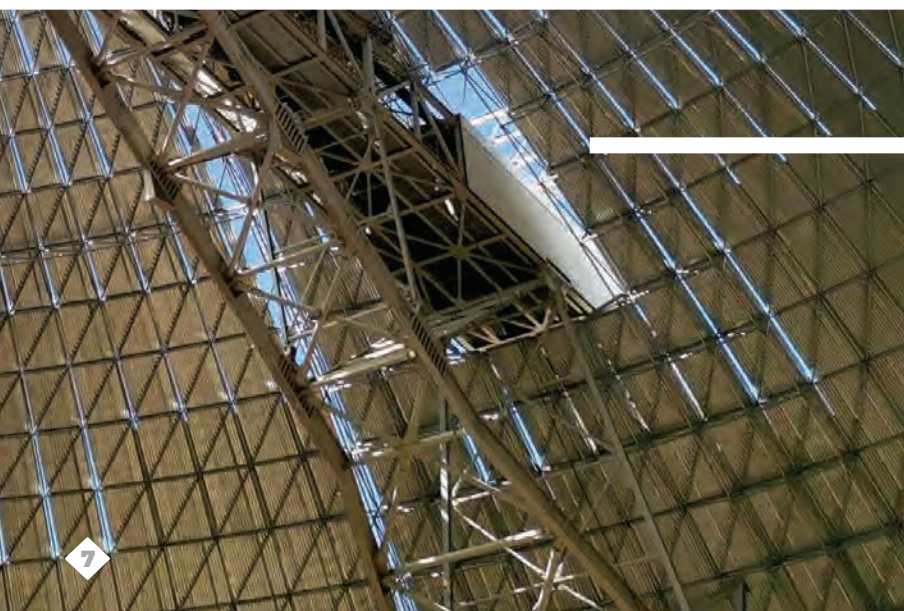


Spence Copper Mine Dome – Atacama Desert, Chile

Located in Northern Chile, Triodetic supplied the Mine with a 110m diameter stockpile dome. Environmental legislation in Chile requires mining companies to cover their mineral stockpile in order to contain and prevent dust pollution from affecting the worksite, nearby communities and towns, flora and fauna.

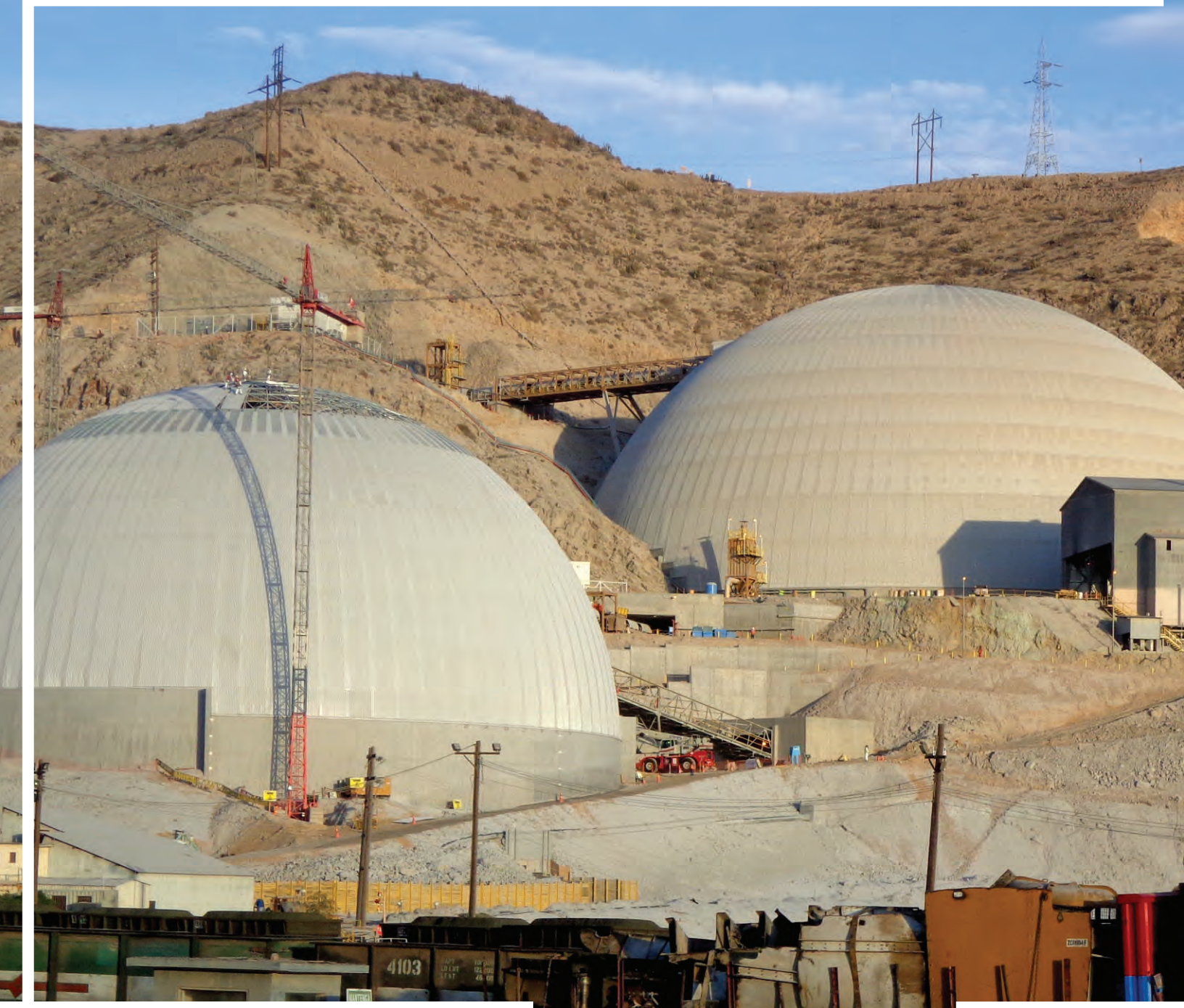






Spence Copper Mine Filter Plant Pillow Dome – Atacama Desert, Chile

Located in Northern Chile, Triodetic engineered an 80m wide x 60m long pillow-shaped cover for the Mine's Copper Filter Plant. Despite the design complexity, the installation was efficient and fast. The speed of installation was assisted by sections being pre-assembled on the ground before lifted into place by cranes.



Toquepala Copper Mine Domes – Tacna, Peru

Located in the Southernmost Region of Peru, this was Triodetic's first project in Peru. Two domes of 115m and 75m in diameter respectively. The topography of the site presented design, engineering and installation challenges for the project. The 115m dome had to be built along the side of the mountain, with a stepped foundation, meaning that up to ring 11 one side of dome's wall was the actual side of the mountain. From ring 11 up to the apex, the full steel circumference of the dome was enclosed and completed.

Veladero Gold Mine Dome – San Juan, Argentina

At an altitude of 4,200 meters above sea level, located in the Andean Mountains in North-Western Argentina, this was Triodetic's first Argentinian project. One of the peculiarities of the design of this 57m diameter dome, is that the conveyor which comes in through the side, is supported by the dome apex and not external support towers.

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