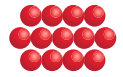
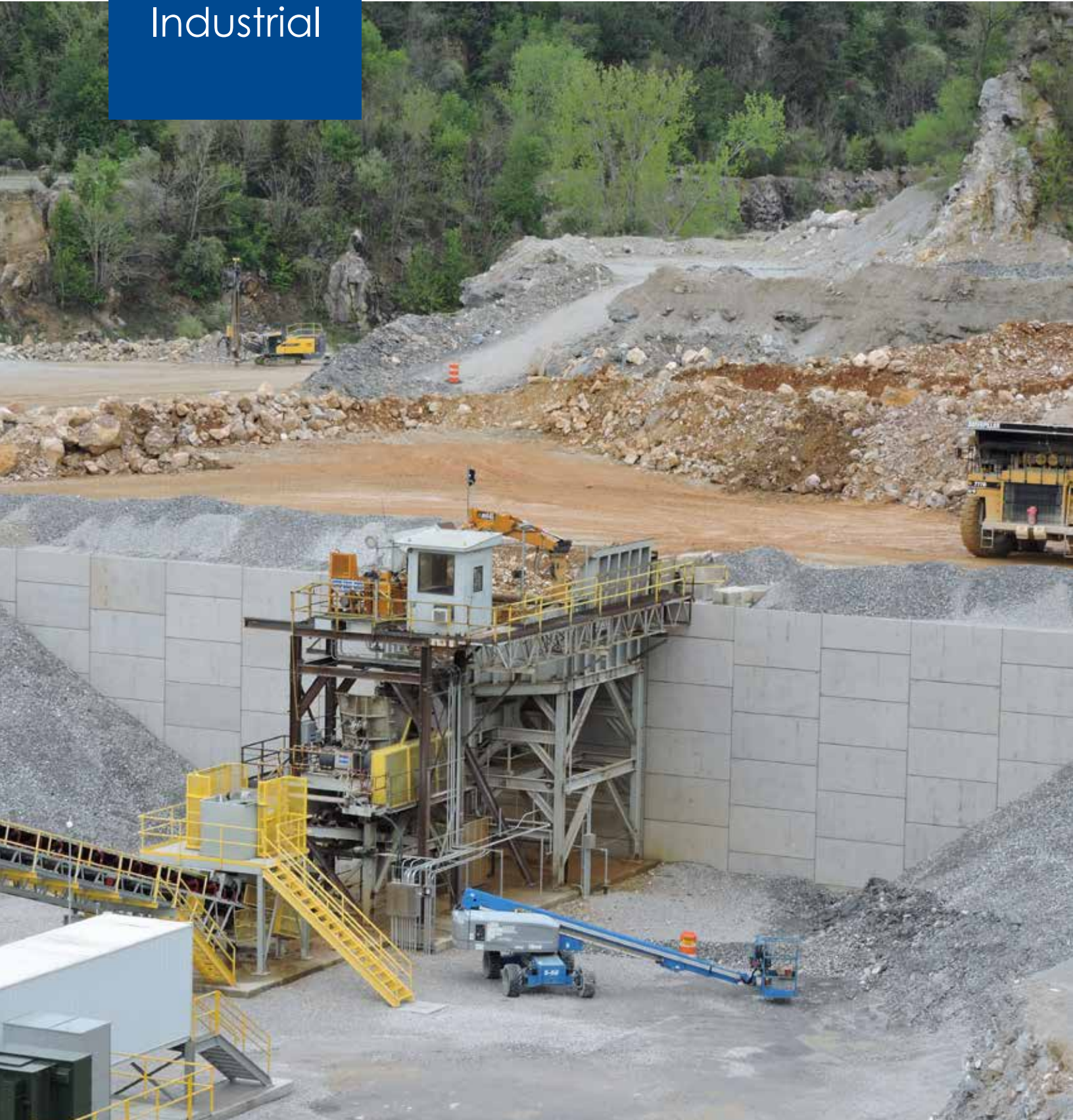


# Mining & Industrial



REINFORCED EARTH®



# The Value of Experience

The Reinforced Earth Company (RECo) has completed over 45,000 structures in the US, building a reputation for engineering excellence, with a focus on quality and customer support. With over 45 years of experience, RECo brings structural, geotechnical and economic value to projects of all types, sizes and complexities. Reinforced Earth® MSE wall and TechSpan® arch solutions are ideally suited for many industrial applications due to their engineered capabilities to withstand heavy loadings, vibrations, impact, explosions, flooding, and fire.

## TechSpan Reclaim Tunnels



TechSpan Reclaim Tunnel with Reinforced Earth Headwall

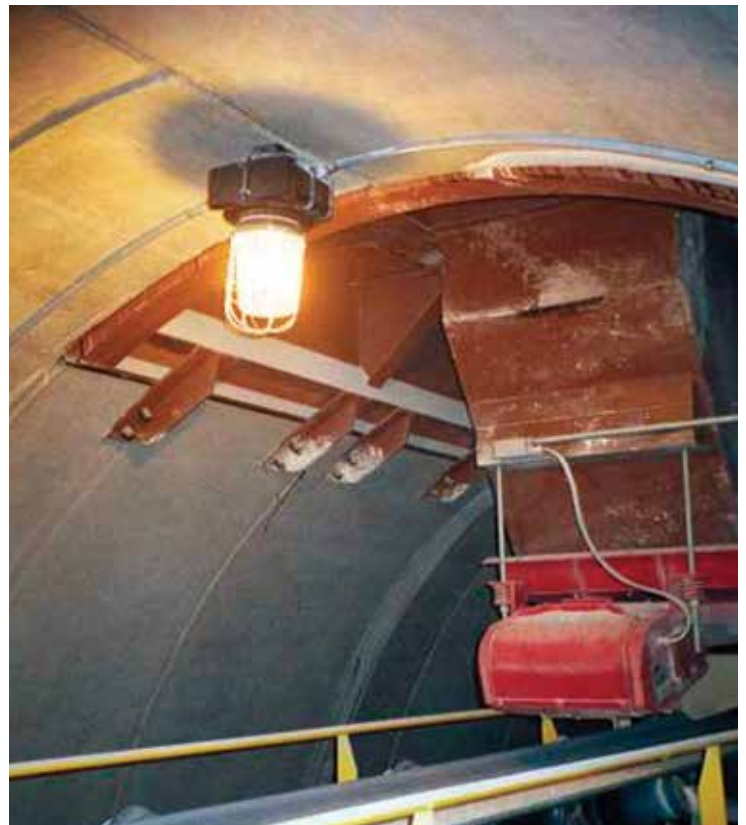


TechSpan Tunnel Construction

**TechSpan** is a precast concrete 3-hinged arch, with 2-hinges at the base and 1-hinge at the crown. The design for each reclaim tunnel is carried out using state-of-the-art finite element analysis that determines the optimum arch shape to minimize in-service bending moments. Unique precasting methods are cost-effectively utilized to produce the optimum arch shape.

The TechSpan Reclaim Tunnel is constructed by assembling the prefabricated concrete elements in a staggered method to reduce required equipment and allows for rapid installation. TechSpan can be installed without disrupting existing conveyors and railways. A 3-man crew can install up to 100 lineal feet of TechSpan Reclaim Tunnel in a single workday.

The precast concrete arch elements are designed and prefabricated with openings and truncations for feeder saddles, drawdown gates, and conveyor components. Benefits of the TechSpan system compared to CMP include longer service life, maintenance-free performance, and ability to perform under severe loading conditions.



Drawdown Feeder Installation

## Truck Dump Headwalls



Reinforced Earth Crusher Pocket Walls



TerraTrel® Wire Faced Headwall

Industrial projects often require loading ramps and truck dump headwalls. Reinforced Earth structures are engineered to resist vibrations and support the extreme live loads associated with fully loaded mine vehicles.

## V-Notch Slots & Inverted Silos



Reinforced Earth "V-Notch Slot"



Reinforced Earth Inverted Silo

"V-Notch Slot" or "Inverted Silo" bulk material storage facilities, having a "V" or a conical shape, respectively, are made of custom sloping panels to provide gravity-retrievable storage of aggregate material.

## Frothing Tank Supports



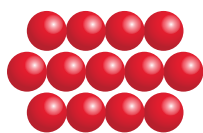
Frothing Process Settler Tank Support

## Haul Road Abutments



Haul Road Bridge Abutment

Reinforced Earth can be utilized for a variety of industrial and mining facility applications such as haul roads and tank supports. The advantages when employed as a support for frothing process settler tanks include easy access for pumps, pipe installation, and maintenance. The advantages when utilized as a haul road crossing is to minimize haul times and increase production rates.



**REINFORCED EARTH®**

**SCAN**  
to see  
our locations  
across the  
United States



800.446.5700

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

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