

December 2019

TSX.V: CVX | OTCQB: CTXXF



CEMATRIX™

Cellular Concrete Solutions

Forward Looking Statements

This presentation contains certain statements that may be deemed "forward-looking statements". All statements in this document, other than statements of historical fact, that address events or developments that CEMATRIX ("the Company") expects to occur, are forward looking statements. Forward looking statements are statements that are not historical facts and are generally, but not always, identified by the words "expects", "plans", "anticipates", "believes", "intends", "estimates", "projects", "potential" and similar expressions, or that events or conditions "will", "would", "may", "could" or "should" occur.

Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results may differ materially from those in the forward- looking statements. Factors that could cause the actual results to differ materially from those in forward looking statements include, failure to successfully negotiate or subsequently close such transactions, inability to obtain required shareholder or regulatory approvals, uncertainty with respect to findings under exploration programs and general economic, market or business conditions. Investors are cautioned that any such statements are not guarantees of future performance and actual results or developments may differ materially from those projected in the forward-looking statements. Forward looking statements are based on the beliefs, estimates and opinions of the Company's management on the date the statements are made. The Company undertakes no obligation to update these forward-looking statements in the event that management's beliefs, estimates or opinions, or other factors, should change.

Who We Are

CEMATRIX is a leading North American supplier and installer of a **proprietary**, high quality, **lightweight cellular concrete**

Cellular concrete is a technologically **advanced specialized premium** construction material

It is primarily used in lightweight construction in below-ground applications such as **tunnels, roads, runways, buildings** and other projects that involve weak and **unstable soils**.





Key Investor Considerations



Fastest growing industry leader across North America

- Both organic and through strategic M&A
- Revenues have grown from CDN \$7.6M in 2017 to anticipated \$25-\$27.5M in 2019
- Current Backlog, which includes 2019 forecasted sales ~ \$78M of contracted/verbally awarded (mainly contracts in process) projects



Infrastructure focused business in a fast-growing lucrative market

- Current capacity could support \$175M in business annually
- Current bid pipeline exceeds \$275M
- Profitable with strong operating margins (approx. 25-30%)



State-of-the-art proprietary technologies

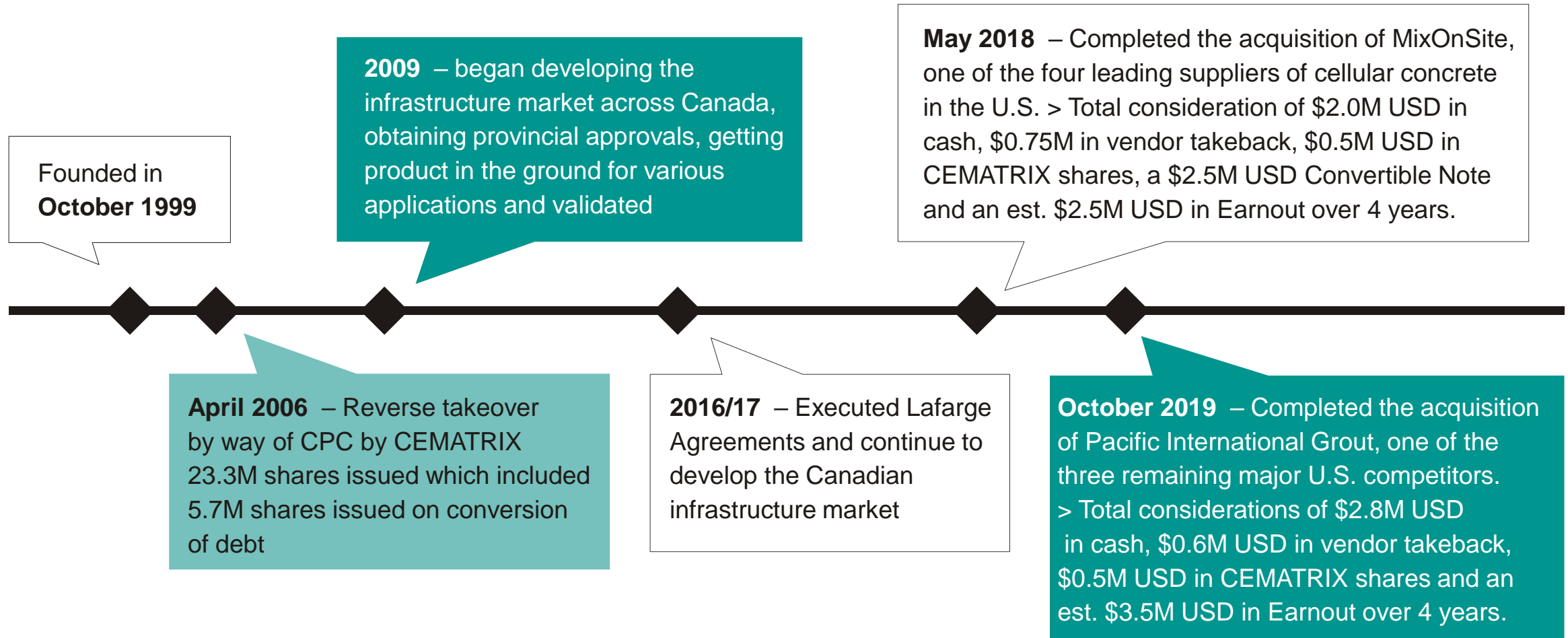
- Save customers significant time and money
- Lighter, stronger and faster than the competition



Strategic relationship with Lafarge – largest global provider of diversified construction materials

- Significant material cost savings and new customer sales opportunities benefits

Our History



Our Current Corporate Structure

CEMATRIX Corporation

Pacific International Grout Bellingham (PIGCO)

Strong presence in North America
Proven profitability
Heavy Density Technology/Capability
Experienced Team

MixOnSite Chicago (MOS)

Strong presence in NE & Central US
Proven profitability
Lightweight Technology/Capability
Experienced Team

CEMATRIX Canada Calgary H.O. (CEM)

Serving Canada coast to coast
Profitable and growing
Leaders in Lightweight Technology &
Capability with Experienced Team



Seasonally adjusted production capacity (one 8 hr shift part of yr), now exceeds 2,500,000 cu. Yds which equates to an estimated \$175M in annual sales



Completely mobile and well positioned to serve all of North America with offices in Calgary, Toronto, Chicago and Bellingham. The group also stores regional equipment in New York, St Louis, Winnipeg and Vancouver

What Is Cellular Concrete - It is not Concrete

- A construction material consisting of Portland cement, water, specialized pre-formed foaming agent and compressed air
- It is highly flowable and can be pumped into place over large distances (up to 1,000 m) through flexible hoses
- Most below-ground applications are placed at wet densities of 400 to 600 kg/m³. PIGCO's expertise is at 1,000+ kg/m³.



**Portland cement based
“No Aggregates”**

**Aggregates replaced with
“Air Bubbles”**

Benefits of cellular concrete include:

- Lightweight and insulating are its greatest benefits (can contain up to 80% air)
- High strength compared to other lightweight fills or insulations
- Self-leveling
- Highly flowable
- Energy absorbing
- Excellent freeze-thaw resistance
- Closed-cell structure with low permeability



How Is It Made?

CEMATRIX cellular concrete is made using Mobile Batch Plants

- 10 dry plants used for high volume projects – replacement cost \$15 million – 30+ year life if maintained regularly;
- 8 wet plants used for small to mid sized volume municipal type – replacement cost - \$4 million – 20+ year life if maintained regularly

Can **satisfy small or large project** requirements and will produce from 20 to 200 m3 CCC per hour

Unit mobility allows for **rapid response** to the changing demands and schedules of the construction industry



Proprietary Technology



- **Advanced material mix design** - optimizes strengths, densities and other characteristics
- Advanced foaming agents - **higher strengths at lower densities** than the competition
- Only CC tunnel grout supplier in North America that has 3 Dry mix units and support equipment, including tunnel trains specifically designed for **heavy CC grout in long and problematic tunnels**
- Only CC provider of **underwater cellular concrete placement technology** in North America
- Only full-service CC supplier engaged in ongoing R&D with MSE Panel companies and Canadian highway construction through a **collaboration** with the University of Waterloo, City of Waterloo and the NRC
- Only full-service CC provider engaged in **ongoing R&D** of material mixes, foaming agents, additives and processes
- One of only two CC suppliers that **can produce up to 250 cu. m. per hour** with one dry mix unit

Who are our Customers

Customers include

Engineering Companies,
Commercial Contractors,
Public-Private Partnerships (P3)

Who design materials into projects

*Kiewit, Stantec, Jacobs Engineering,
Chicago Bridge and Iron, SAK, McNally,
Barnard, KBR, Turner Construction,
Whiting-Turner Contracting, Lafarge,
Dufferin, Walsh, Shea, Skanska, Michaels,
SK Engineering and Construction;*



Strategic Partnership



Joint Marketing and Regional Expansion Agreement

Lafarge is part of LafargeHolcim, the leading global building materials and solutions company

- CEMATRIX - a **leading North American** customer
- Raw material **cost reduction** to CEMATRIX
 - Creates most competitive pricing in the industry
- Lafarge to help **identify new projects**
 - Customer acquisition costs reduced through joint marketing with expanded sales opportunities



Three Business Verticals



Infrastructure Including Tunnels

- Road and Runways
- MSE Panel Backfill
- Bridge Abutment Backfill
- Tunnel Grouting
- Pipeline Bedding
- Engineered Fills
- Buried Utilities



Industrial & Mining

- Service Roads
- MSE/Retaining Walls
- Facility Under-slab
- Pipe-racks & Modules
- Fire lines & Other Utilities
- Tank Bases
- Mine works, grout & Backfill



Commercial & Seismic

- Buildings
- Parking structures
- Roof Decks
- Shallow Utilities
- Nuclear Infrastructure
- Support under all seismic prone infrastructure

Cellular Concrete Replaces Other Products

CEMATRIX is a clear **North American leader** because it can produce CC **lighter, stronger and at a lower cost** than any competitor in the industry

- Weak and unstable soils, gravel, etc
- EPS Blocks
- Steel or Concrete Pile Construction below a Concrete Slab
- Expanded Clay (LECA)
- Cement Grout
- Rigid Insulations
- Tank Bases

Use of substitute typically driven by:

- Cost
- Specification requirements
- Time of construction
- Experience with alternative
- Structural requirements
- Better solution required
- Long term solution required
- Risk tolerance



EPS BLOCKS



GRAVEL



LECA

Competitive Advantages

CEMATRIX **saves time and money** for its customers and provides a better overall **long-term solution** to the legacy products it replaces in any construction application, while also being **environmentally friendly**

- CEMATRIX cellular concrete is considered best in class within the industry
- Unit mobility allows for rapid response and geographical movement
- Offer customers premium quality solutions in lightweight construction



Revenue Model

Typical larger contracts will range between \$1M to \$6M per project but now growing to **over \$10M per project**

	\$5,000 - \$500,000	\$500,000 - \$15,000,000
Project Type	State, Provincial and Municipal	Large Highway, Airport, Industrial and Tunnels Including P3 Type projects
Typical Sales Cycle	1 week - 6 months	3 Months to 5 Years or More
Length of Projects	½ day to a month	1 Month to 2 years
Paid By	Cubic Metre or Cubic Yards Placed, which could include Daily Rates	Cubic Metre or Cubic Yards Placed, which could include Daily Rates and Mob/Demob Rates
Payment Cycle	45 days Before Cement Bills Due	45 - 60 days Before Cement Bills Due
Margin Profile	Averages ~ 30% depending on size and location	Averages ~ 30% depending on size and location

Growth Strategy



1

Lobbying/educating the Engineering & Construction Industry about benefits & advantages of cellular concrete

2

Successful execution of projects – referrals & reputation

3

M&A of other CC suppliers & complementary companies

4

Strategic alliances

5

Expansion into international markets focused in large tunnel and geotechnical applications

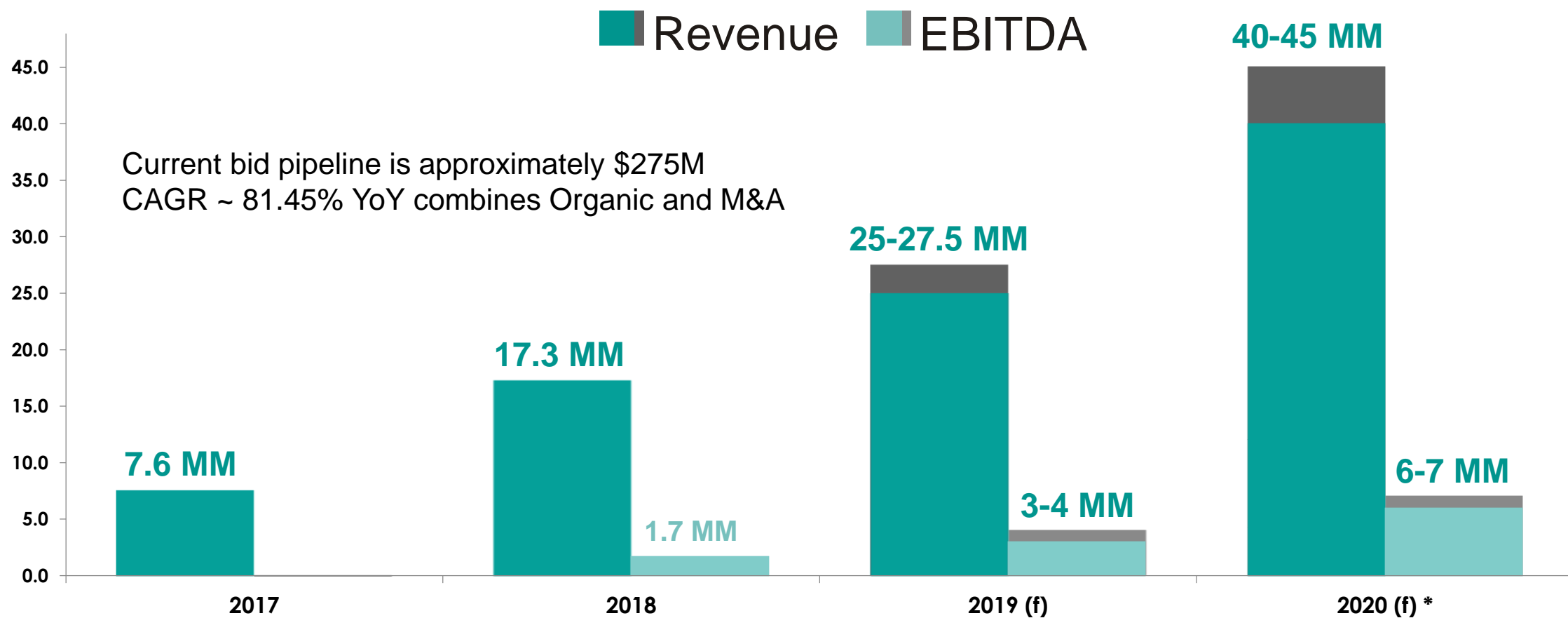
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Licensing / franchise opportunities



Financials

Combined Sales Growth (CDN \$'s)



* Projected with PIGCO

Capital Market Profile

- **Exchange and Ticker Info:** TSX-V: CVX | OTC: CVXXF
- **Corporate Headquarters:** Calgary, Canada
- **Shares Fully Diluted:** 93,043,880
- **52 Week High / Low:** \$0.33/\$0.16
- **Market Capitalization:** 11 November 2019 ~\$17.0 million
- **Inside Ownership:** > 10%
- **Cash and Cash Equivalents:** ~\$1.4M
- **Debt:** ~\$8.9M before acquisition
- **Working Capital:** ~\$1.6M

Management



Jeff Kendrick the CEO and one of the founders of CEMATRIX is a Chartered Accountant with 20 years experience in Cellular Concrete including project management, operating equipment, quality control and general labour

Pat Stephens the founder of Pacific International Grout has over 40 years experience in cellular concrete, developed all his equipment and technology, patented numerous CC technologies over time and is still leading the team at PIGCO, as President of that subsidiary

Jordan Weiner founded MixOnSite with his dad, the former owner who had over 20 years experience in CC. After university Jordan started from the ground up as a labourer, then operator, then sales and estimating, eventually taking over the reins from his father approximately five years ago. Jordan still leads the team at MixOnSite, as President of that subsidiary

James Chong, the CFO for the Group of Companies is a CA-CPA and has been with CEMATRIX for 1.5 years. James brings over 20 years experience in senior financial roles from various oil and gas and mining companies

Investment Summary

**North American Leader
in Cellular Concrete market,
tunnel grouting, technologies,
quality control and safety**

**State of the art equipment,
foaming agent and other
proprietary technologies**

**Significant growth in
the lucrative infrastructure
markets that exceed billions**

**Current bid pipeline over
\$275M with contracted or
soon to be contracted
backlog of ~ \$78M (includes
2019 forecasted sales)**

**Strategic partnership with
the largest cement company
in the world, Lafarge**

**2019 projected
revenue \$25-27.5 +
million & profitable**



Project Examples



CEMATRIX™
Cellular Concrete Solutions

Airport Runways – Reagan International - Washington DC

- Floating slab over weak and unstable base to expand runway aprons. Airport is built along a river. All soils along or near waterways, marshes, wetlands or over glacial silts etc. are extremely weak. You can either remove all the bad soils and replace them before building your required infrastructure over top at significant cost over significant time, or you can use cellular concrete to provide a floating base over the weak soils
- Cellular concrete was selected because of the better overall solution it provided, in a significantly reduced time period, at a significantly reduced cost.
- CEMATRIX was selected because it was the better solution at the right price



Owner **Reagan National**
General Contractor **Archer Western**
\$1.3M USD

Industrial – Diesel Refinery – Fort Saskatchewan

- Insulating subbase for significant portion of the NWR Diesel Refinery protecting all manner of water lines, sewer lines, conduits, etc. underneath, while providing a subbase for the concrete slabs and facility infrastructure
- Cellular concrete was selected to replace rigid insulation because of the better overall solution it provided, in a significantly reduced time period, at a significantly reduced cost
- CEMATRIX was selected because it was the better solution at the right price and the only high volume cellular concrete supplier in Canada



Timing **2014/15**

Owner **NWR Partnership**

General Contractor **Fluor Constructors**

Sales Value **\$7.55M CAD**

Tunnel Grouting Brightwater - Seattle

- Tunnel Backfill with multiple carrier pipes inside tunnel
- Cellular concrete was selected over heavy grouts because it was the only viable solution in an extremely risky gout project due to the number of Pipes in the tunnel
- CEMATRIX (MixOnSite) was selected because it was the better solution at the right price



Timing
Owner **Seattle**
General Contractor
Sales Value **\$7.8 USD**

Road Base & IADOT Bridge 8 - IOWA

- Lightweight road base over weak and unstable soils
- Cellular concrete was selected over EPS Block and other lightweight aggregates because of cost and time savings
- CEMATRIX (MixOnSite) was selected because it was the better solution at the right price and one of the few high volume producers in the U.S. with a capacity of up to 250 cu. m. per hour



Timing **2018/19**
Owner **IADOT #8 New Bridge**
General Contractor
Hawkins/United/Creamer JV
Sales Value **\$4.8 USD**

MSE Backfill Expo Light Rail - California

- Cellular concrete was selected to reduce the vertical and horizontal loads on the underlying soils and MSE walls to mitigate future movement and/or subsidence. The alternatives would have been granular fill which would create issues noted above, EPS Block which can't be used behind MSE Panels and other lightweight aggregates which also don't work well with MSE Panels tie-backs
- CEMATRIX (MixOnSite) was selected because it was the better solution at the right price



Timing **2013/14**

Owner **Los Angeles County**

General Contractor **Skanska, Rados JV**

Sales Value **\$1.6 million USD**

Tunnel Heavy Grout - California

- Tunnel Backfill – Arrowhead Tunnels, San Bernardino CA
- Cellular concrete was selected over heavy grouts by the project team for its superior qualities and cost savings
- CEMATRIX (Pacific International Grout) was selected because PIGCO are the premier suppliers of cellular grouts for long problematic tunnels in North America



Timing **2008-9**

Owner **Metropolitan Water District
of Southern California**

General Contractor **Shea-Kenny JV**

Sales Value **\$12.9 million USD**

Cellular Concrete vs EPS Blocks Geotechnical - Wisconsin

- Marquette Interchange, Milwaukee
- Cellular concrete was selected over EPS Block, and/or other lightweight aggregates or gravel because of its superior qualities and cost savings
- CEMATRIX (Pacific International Grout) was selected because Cellular Concrete was the better solution at the right price and the GC was comfortable with working with the Company



Timing **2006-8**

Owner - **Wisconsin Department of Transportation**

General Contractor **Marquette Constructors**

Sales Value **\$4.7 million USD**

Industrial – SAGD Process Facility - Lloydminster

- Insulating subbase for all of the Paradise Hills SAGD facility
- Cellular concrete was collected because of the better overall solution it provided, in a significantly reduced time period, at a significantly reduced cost. In the past for all oilsands green field construction, the process would be to remove the overburden, level it out, hire a piling company to place steel piles every 20 metres, then tie all of the slabs and equipment to these piles, then insulate with rigid insulation before pouring concrete slabs – a very time consuming and costly process
- CEMATRIX was selected because it was the better solution at the right price
- Of note this project was completed and producing before an identical sister project started a year earlier, using the old construction method



Timing **2012**

Owner **Husky Energy**

General Contractor **Propak**

\$1.2M CAD

Commercial – Montreign Casino - New York

- Load Reducing Fill
- Cellular concrete was selected to replace heavy soil backfill to reduce the load on the underground perimeter wall because of the better overall solution it provided, in a significantly reduced time period, at a significantly reduced cost
- CEMATRIX (MixOnSite) was selected because it was the better solution at the right price



Timing **2016**

Owner **Montreign**

General Contractor **Perillo Construction**

Sales Value **\$2.1 million USD**

MSE Backfill Kenaston Overpass - Winnipeg

- Backfill for Bridge Abutments and MSE Panels
- Cellular concrete was selected over granular fills and dirt because of the better overall solution it provided over weak and unstable soils, in a significantly reduced time period. The alternatives would have been EPS Block which can't be used behind MSE Panels and other lightweight aggregates, which don't work well with MSE Panels Tiebacks
- CEMATRIX was selected because it was the better solution at the right price and the only high volume cellular concrete supplier in Canada



Timing **2014**

Owner **City of Winnipeg**

Kenaston Blvd Overpass

General Contractor **MD Steele**

Sales value **\$1.25M CAD**

Road Base Holland Marsh - Ontario

- Holland Marsh – provided a floating base over weak and unstable soils (peat moss) to support highway structure
- Cellular concrete was selected over all other materials because the CC solution eliminated the need to dig out over 7 metres of weak and unstable soils and replace it before constructing the highway on top. EPS Block could have been used, but difficult to place and hold together over time for a long term solution
- CEMATRIX was selected because it was the better solution because it enabled the highway to be back in service much quicker, at the right price and the only high volume cellular concrete supplier in Canada



Timing **2014**

Owner **Ministry of Transportation of Ontario**

General Contractor **Graham Brothers**

Sales Value **\$0.2M CAD**

Tunnel Grouting

North Saskatchewan River - Edmonton

- Tunnel Grout
- Cellular concrete was selected over traditional heavy grouts because the air bubbles within the CC act as frictionless ball bearings enabling the CC to be pumped long distances under low pressure. A traditional grout was scheduled to take 3 months to complete at a higher material cost than the in-place cellular concrete
- CEMATRIX placed the base and grout in less than a week
- CEMATRIX was selected because it was the better solution at the right price and the only high volume cellular concrete supplier in Canada



Timing **2007**

Owner **City of Edmonton;**
General Contractor **City of Edmonton;**
Sales Value **\$0.35M CAD**

Tunnel Heavy Grout - Washington

- Tunnel Backfill – Brightwater Conveyance Tunnel
- Cellular concrete was selected over traditional heavy grouts because cellular can be pumped long distances under low pressure in significantly less time at a lower material cost
- CEMATRIX (Pacific International Grout) was selected because PIGCO are the premier suppliers of cellular grouts for long problematic tunnels in North America



Timing **2010-12**
Owner **King County**
General Contractor
Vinci Parsons Frontier Kemper JV
Sales Value **\$3.1 million USD**

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Thank you

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