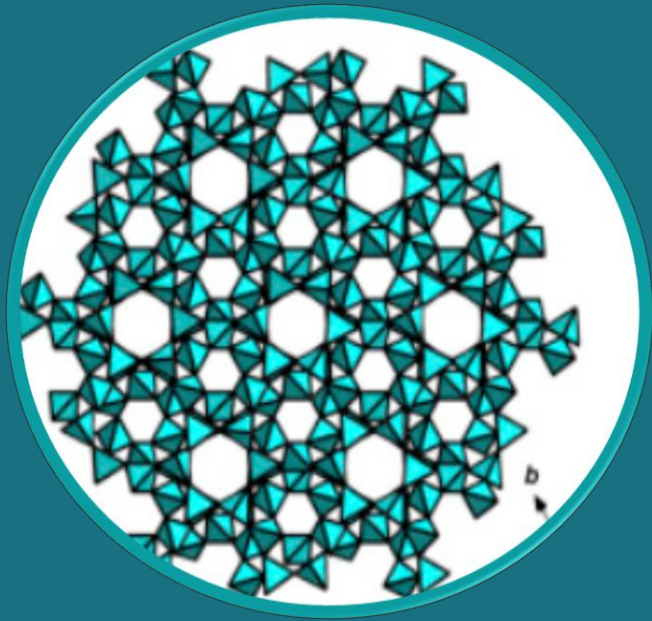
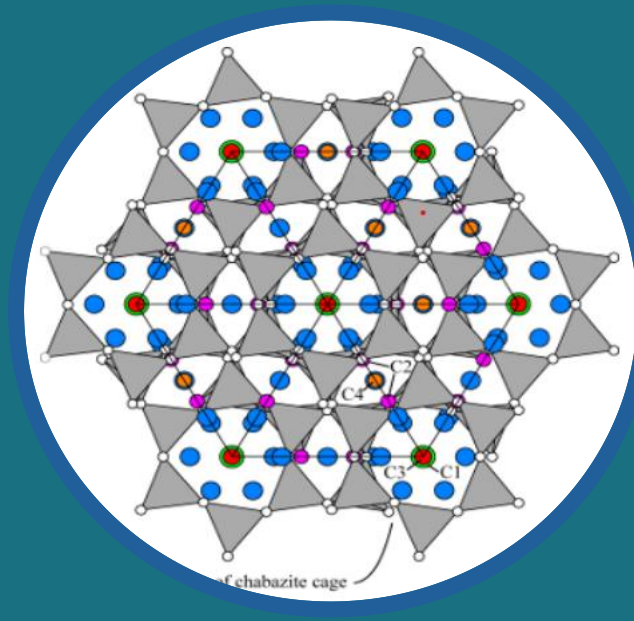


# ZMM CANADA

## Engineered Zeolite Solutions



Analcime



Chabazite

# Executive Summary

## The Future of Sustainable Minerals

- **ZMM CANADA (ZC)** – a leader in clean-technology specializing in high-purity crystalline (HPC) zeolite and basalt.
- The company utilizes a "no-waste" model – every tonne of extracted material is processed into a value-added product, addressing global needs in energy storage, construction, environmental remediation, and agriculture.
- Successful consultations with multiple First Nations' Bands.
- 30-Year renewable mining leases on two key one of a kind high-purity zeolite/basalt orebodies secured in early 2022.
- TransCanada (TC): 184 hectares, located 25km from Kamloops, BC.
- Juniper: 40 hectares, located 30km from the TC deposit.
- ZC R&D expenditures to date exceed \$5M.
- Shovel ready project: large resource base – all permits in place.

# ZMM CANADA

## Proven Team – Extensive Experience



LuVerne Hogg  
ZC Founder,  
President, CEO,  
Director.  
A well-known  
industry expert  
on specialty  
zeolite  
applications.



David McAdam  
ZC CFO.  
Effective,  
results  
oriented expert  
who excels at  
financial  
management  
and analysis.



Valary Schulz  
ZC Founder,  
Director.  
Universally  
recognized as  
an expert in oil  
& gas  
petroleum  
geology .



Cheryl Hogg  
ZC Founder,  
Director.  
Detail oriented  
HR, regulatory,  
and corporate  
administrator  
with decades  
of experience.

# Core Assets

## ZC Zeolite/Basalt – Unmatched Purity and Performance

ZC HPC →



ZC BASALT →

- Host to ZC High Purity Crystals (HPC)
- Very rare, highly specialized geological occurrence
- Cationic exchange properties
- Vesicular structure with large internal surface area
- Molecular sieve
- Contains Inosilicate/Phyllosilicate/Zeophyllite – high-capacity ion exchangers
- Paramagnetic

# Product Categories – 1

## New Advanced Zeolite Products and Systems

- ZC **DECARB**: TRL 9 – CO<sub>2</sub> mineralized into carbon-negative aggregates – CO<sub>2</sub> reduction.
- ZC **SCM**: TRL 9 – Supplementary Cementitious Materials and light weight and pervious concretes.
- ZC **CONTAIN**: TRL 9 – Long-term Isolate, Stabilize, Solidify (ISS) system for radioactive and hazardous waste management.
- ZC **REVIVE**: TRL 9 – Regeneration of damaged soils.
- ZC **TROUGH**: TRL 7 – Remediation of Acid Mine Drainage (AMD), recovery of critical minerals from mines discharged water.
- ZC **MOLECULAR SIEVE**: TRL 7 – Zeolite molecular sieves separate waste from valuables i.e. potassium from potash brines.

# Product Categories – 2

## New Advanced Zeolite Products and Systems

- ZC **STORE**: TRL 7 – Thermal Energy Storage Battery – for homes, industry, and remote locations.
- ZC **BIND**: Zeopolymers TRL 5 – High strength, zero cement concrete.
- ZC **VIP**: TRL 6 – High R Vacuum Insulation Panels – homes and buildings.
- ZC **BLEND**: TRL 5 – HPC blended with synthetic zeolite for improved cost/benefit ratios.
- ZC **CONVERT**: TRL 4 – Inter-zeolite conversion (IZC) seed stock – altering molecular structure providing advanced performance.
- ZC **CAPTURE**: TRL 6 – Specifically for carbon capture and storage (CCS).

# Strategic Advantage

## ZC Technology Readiness Level (TRL)

- **Four TRL Level 9 Products** – Market Ready – field-proven, qualified, and operating successfully in a real-world environment.
- **Three TRL Level 7 Products** – Near Commercial – prototype system to be tested in an operational environment.
- **Five TRL Level 4 to 6 Products** – Ongoing Development – validated in lab and simulated environments.

## ZC –Sole Source Producer of HPC in North America

- **Extensive IP** on product development methods and products securing competitive advantage.
- **Production Capacity:** Authorized to extract up to 250,000 tonnes per site per year.

# The Opportunity

**“The Stone Age didn't end because the world ran out of stones; it ended because of the need to find a different way to use them.”**

**ZMM CANADA found the way!**

*LuVerne (Verne) E.W. Hogg  
Founder, Director, CEO*

Interested Parties Please Contact:

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