# Introducing The Ceramic Cement Corporation(C3)
# EcoC3 Research Alliance

## Cementing The Future Of Eco-Friendly, Superior Quality Concrete

***Our Mission: Researching, Inventing & Creating High-Strength, Eco-Safe, User-Friendly, Durable PortlandCeramic Concrete For the 21st Century & Beyond***

(Click or Scroll to continue )

# The Dawning Of A Durable, High Strength, Eco-Safe, Portland Ceramic World!

- The need for superior quality, eco-friendly, durable, multi-purpose, C02 reducing concrete materials has never been greater, or more widely recognized! In the context of the carbon credit benefits our C3Ceramic cement products provide, the wide-ranging CO2 benefits our EcoC3 research team has revealed are factual and impressive!

- To meet the challenge of removing the CO2 negativity associated with traditional limestone-bonded Portland concrete our EcoC3 research team has invented, globally patented & industry verified unique 'cold-fired' chemically-bonded phosphate ceramic Portland Ceramic formulas with unique carbon reducing, superior quality benefits. Non-toxic, high strength, water-activated ceramic concrete / coating formulas conveniently produced and applied using traditional Portland production/application technologies.

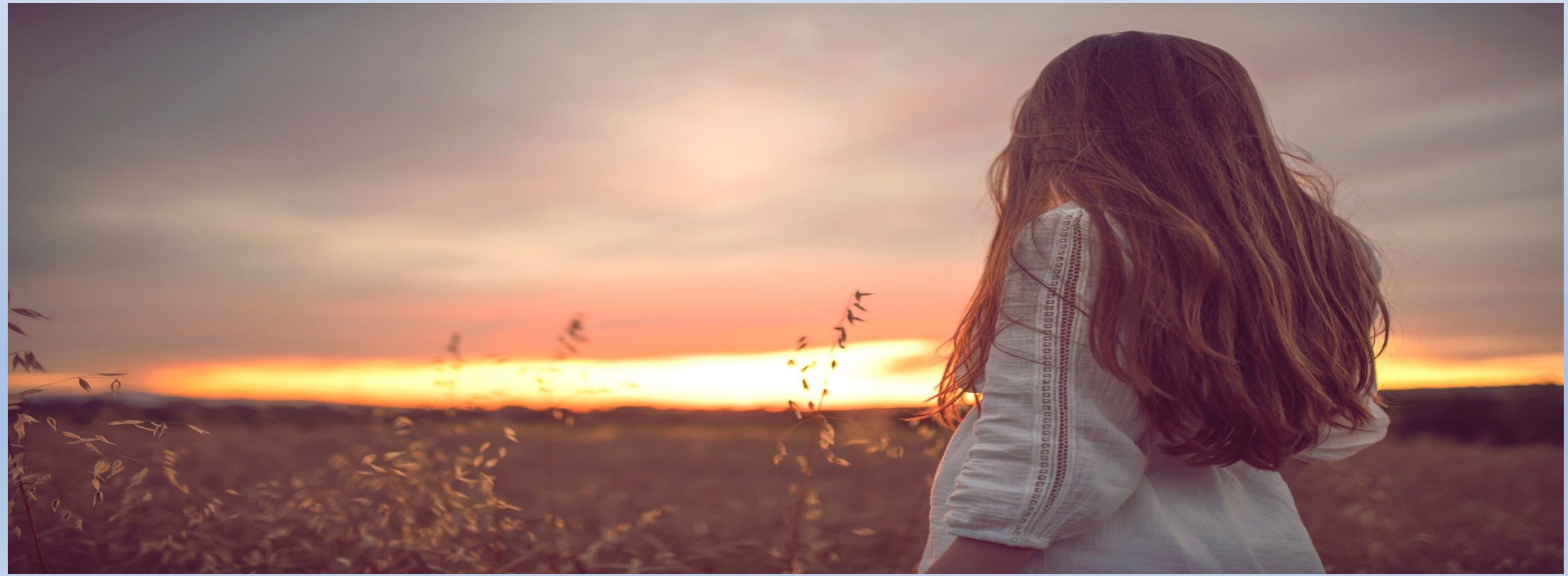
- Representing 20+ Years of dedicated R&D, product testing, market entry evaluation, working with Universities and National Laboratory Research / Testing Programs. Inclusive of independently securing multiple U.S. & foreign patents.

- With all commercial rights exclusively managed by the Ceramic Cement Corporation(C3)

# It All Begins With DesignRok™

## A Uniquely Advanced, Eco-Safe, Multi-Purpose Ceramic Cement

Our high strength, user-friendly, water-activated DesignRok cement provides a wide range of multi-aggregate, mineral, metal, cellulose bonded formula options. Including infrastructure repair / replacement, versatile construction uses, full spectrum radiation shielding, color fast polished concrete flooring, sinks, countertops, mold, moss, bacteria, microbial resistant showers, bathtubs, swimming pools, tile, heat, cold, water, weather protected surface coatings, and the list goes on.



Traditional Portland concrete construction of a nuclear energy plant

## Introducing X-Rok™

With the completion of our U.S. Dept. of Energy nuclear shielding program and receipt of our chemically-bonded ceramic cement patents in the U.S., Canada, Mexico, China, Japan, S. Korea, England, numerous EU countries, Israel, with patents pending in other nations, as we enter the 2025 world market our eco-safe, user-friendly X-Rok radiation shielding formulas provide significantly advanced, durable, never-before-possible radiation shielding / containment solutions.

X-Rok's versatile, problem-solving radiation protection includes highest level nuclear shielding, durable radiated waste solidification / containment, lightweight spacecraft shielding, and most importantly protecting homes and communities from RF, EMF, Wi-Fi, Microwave, X-Ray, Cell Phone Tower, 5G emissions. In summation; X-Rok's life-saving ceramic concrete / coating benefits are seriously needed 'right now'!

# C3 Ceramic Concrete Materials – *Product Overview*

**EkoRok™** - Multi-purpose, quick-return-to-service, geo-ceramic concrete blends for repairing, replacing, resurfacing Portland concrete & asphalt, and all manner of construction, home building, product casting, protective concrete use. An EkoRok derivative, **SurfaceRok™**, provides the same quality benefits as a spray-on, trowel on, multi-surface (mineral, metal, cellulose) coating material.

*A prototype EkoRok Quik-Build structure using wire-mesh SIP panels, constructed by four people in three days.*

*EkoRok / WSDOT I-5 freeway repair near Olympia, WA., successfully completed in rainy, near freezing weather.*

# Decorative/ Flooring Applications

**DekoRok™** - Ceramic Cement bonded decorative formulas providing a wide range of non-toxic, high strength, color-fast applications. Including polished concrete flooring, sinks countertops, showers, bathtubs, swimming pools, tile, wall coatings. C3 is fortunate to have a long-standing alliance with the Cody James Construction Group (https://codyjames.com/) that specialize in all forms of concrete application. As the photographs reveal including amazing decorative use.

**DekoCeramic Polished flooring**

**Tabletop made with waste coffee grounds**

**Multi-aggregate Countertop samples**

***Crushed Marble Piece***

# A couple of our C3 pre-market entry Portland concrete repair studies….

**Heavy Equipment Concrete Yard Repair: Seattle, WA. The main yard of this large construction equipment sales / maintenance facility needed constant repair. With 100's of heavy equipment vehicles constantly moving through the grounds damaging the Portland concrete, requiring repeated repair.**

**The picture to the far right shows a small section of the yard after 10-years of EkoRok protected traffic. The contractor, Cody James Construction (https://codyjames.com) has intermittently repaired other sections with the same durable, non-cracking result.**


**Ten-years later, no spalling, no cracking**

**MISSION IMPOSSIBLE: Orlando, FL. The Issue:**
**A storm drain constantly being damaged by large vehicles, buses and trucks cutting too close to the corner, breaking off the top cover of the drain. Bringing maintenance crews on site every month doing repairs. Sometimes within a couple of weeks. This drain also flows into a lake now benefited by EkoRok 's non-toxic, no runoff, ground water pollution value. Thereby, making the securing of eco-safe permitting much easier. With EkoRok's quick-return-to-service, 3hr. 5000psi set times economically translating into bottom line time / cost savings. Inclusive of providing metal protection by bonding too and reinforcing the corroding rebar embedded in the storm drain surface, enabling the structure to remain in place, more durably and reliably safe.**


# Our C3/Seattle Aquarium Ocean Restoration Project

**MarineRok™** – Within the multiple problem-solving solutions our C3 Ceramic Cement formulas provide, with the appreciated help of the Seattle Aquarium we are studying the use of our acid/salt resistant C3Ceramic formulas for a wide range of non-toxic ocean restoration benefits.

*Seattle Aquarium MarineRok Coral / Abalone Growing Project*

# EcoC3 Research & Development

**Research & Development:**

- **Earth-Cycle Technologies** – Our EcoC3 Research team has identified several independently developed, state-of-the-art technologies that demonstrate a unified potential to cost-effectively process local waste streams as well as naturally occurring material resources into a wide variety of useful, eco-safe, life-enhancing raw materials, including bio-fuel.

- **InkRok** – Geo-Ceramic formulas designed for 3D printing that have been preliminarily examined at the University of Washington Materials Lab. With initial results indicating the increased strength, durability, surface protection, non-toxic benefits our self-bonding InkRok formulas provide appear to be game-changing for 3D printing.

- **EkoCoat** – Geo-Ceramic coatings that provide a variety of benefits ranging from non-toxic, non-cracking, sever weather/high heat/fire protection and trowel-on / spray-on applications, to creating beautiful, multi-aggregate, multi-color decorative surface coatings.

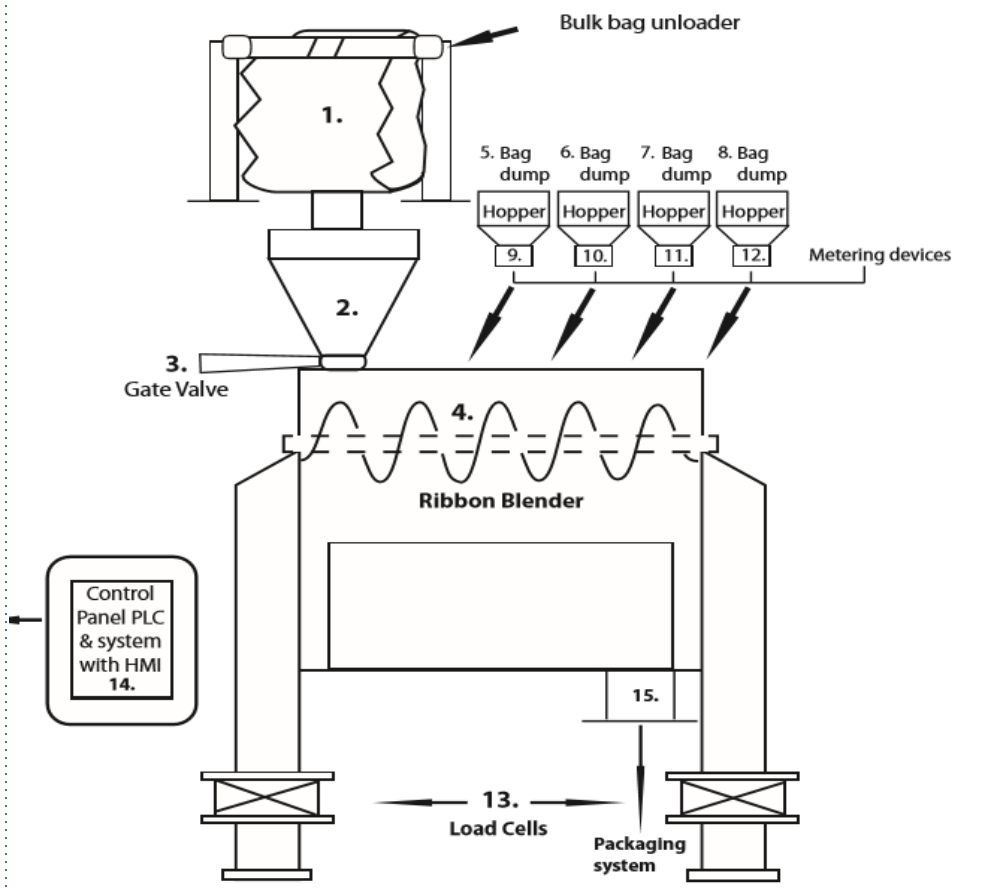
- **EkoBlend** – In conjunction with 3i's Technologies C3 is developing an IT controlled ceramic cement blending system with the ability to go directly from (1) the local assembly of raw materials, (2) into quality blended ceramic cement materials placed in bags & super sacks, or (3) moved into a separate chamber, water-activated, slurried, and placed in 3D printed plastic molds to create fast-setting, eco-friendly, high strength building products ready for use in a few hours rather than days.

# EkoBlend Mixing / Bagging / Concrete Product Making System

**Our EcoC3 / 3i Technologies Research / Production Alliance, Headed Up By John Pettit, Have Designed A Modular, IT Monitored, 80-160 Ton Per Day Batch Plant That Processes And Quality Produces Local / Regional Raw Materials Into Multi-Aggregate Portland Ceramic Concrete Blends With The Option To Include Creating IT Controlled, Precisely Formed Concrete Building / Construction Products.**

**When standard Portland production is not available, C3's IT monitored EkoBlend system provides beginning to end raw materials converted into quality-controlled, multi-purpose ceramic cement formulas. With the option of bagging finished blends in 50 lb. bags or large supersacks. Or, subject to having an appropriate 3D printing system, water-activating the dry mix into a slurry placed in 3D printed plastic molds and formed into specifically shaped building blocks, panels, whatever building product design chosen.**

**Locally creating building products and other concrete based products such as counter tops, tile, kitchen, bathroom fixtures, etc., released from molds as hardened products in a few hours rather than days.**




**On the front end of the portrayed batch plant a state-of-the-art, IT controlled material processing system will be added that finely powders, dehydrates, purifies all forms of mineral, metal, and cellulose. Once processed the raw materials are added to the batch plant hoppers for gram-by-gram quality blending. The material processing system we're working with can be viewed at** https://www.pulsewavesciences.com

**Our EkoBlend system is modularly designed to quality produce 7-tons a day with larger systems producing 160 tons a day. If needed additional 160 ton a day systems can be added to produce hundreds of tons a day.**

# Near & Long-Term Raw Material Resources

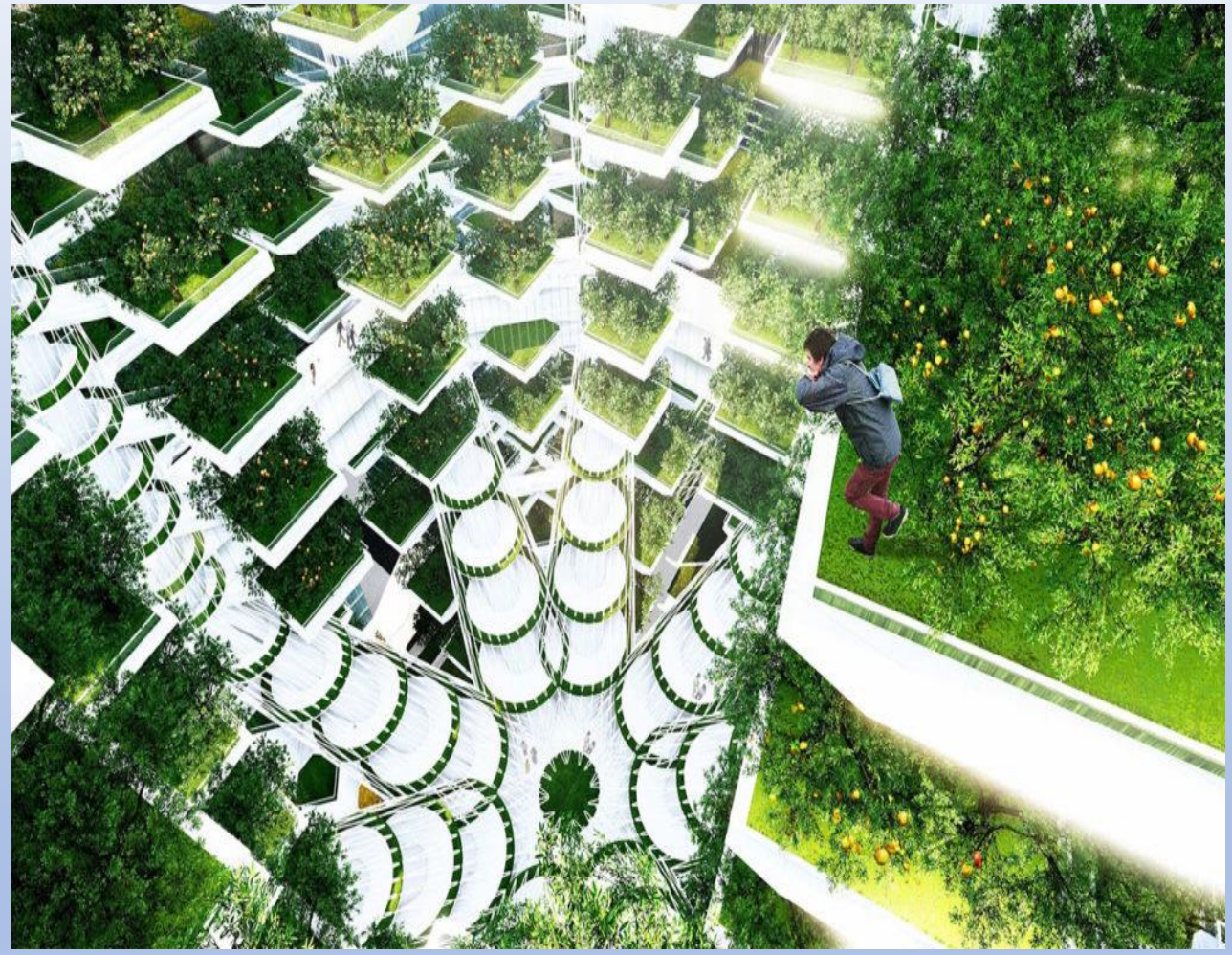
While our essential raw materials are readily available throughout the world, EcoC3 has invested many years identifying domestic / international mineral resources, recycled waste sources, and innovative material processing technologies to progressively eliminate market driven raw material issues by cost-effectively mining, manufacturing and recycling the quality produced minerals, metals and cellulose materials our C3 ceramic cement products depend on.

# Creating Self-Sufficient, Self-Sustaining, Eco-Friendly Living Systems

Within our dedication to creating superior concrete products our EcoC3 Research Team is investigating a variety of self-sufficient living systems with the combined potential to provide everything individual dwellings, villages, communities, and inner-city neighborhoods need to sustain eco-safe, healthy self-sufficient living standards indefinitely.

Including eco-efficient methods for self-producing abundant food supplies, clean water, recycling essential raw materials from waste streams, and self-producing bio-fuel, solar, wind & thermal energy.

As we progress toward the radiation safe, pollution controlled, 'green' world everyone wants to and deserves to live in, the Portland Ceramic concrete / coating influenced self-sufficient living projects we are proud to be working with include Phoscrete (www.phoscrete.com), EcoBuiltSystems (www.ecobuiltsystems.com) and Solar Roadways (www.solarroadways.com).



# Moving Our Portland Ceramic Cement Innovations Into Local / Global Usefulness – *Next Steps*

- **Our C3/EcoC3 Team Will Continue Gaining Ceramic Cement Sales, Concrete Industry Recognition & Increased Market Awareness.**
- **Continue Forming Relevant Joint Research Alliances.**
- **Complete The Formation Of An Expert Concrete Industry, Science Based, Marketing, Sales Team To Facilitate Our U.S. & Global Market Entry Program.**
- **Identify Local/Global Concrete Experts & Companies To Help Us Implement Nation-By-Nation Market Entry Campaigns. As Our C3Africa Division Is Presently Organizing In Several DRC / Congo Nations.**
- **With The Ultimate Purpose Of Providing Our C3Ceramic Cement Inventions, Products And Technologies To Create & Retrofit Existing Dwellings Into Self-Sufficient Food, Clean Water, Energy Producing, Radiation Protected Homes, Neighborhoods, Villages, & Communities.**

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