



# NanoArchitech

A Delaware Corporation since 2015

Advanced Composites & Smart System IP





# NanoArchitech

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Jan Thoren CEO/ founder

Jeff Selph CTO



# Patents Biophysics Research Foundation

Threat Responsive Structural Elements

Assembly of Responsive Structural Elements

Nucleated Cements and Related Methods

Method of Neutralizing a harmful substance  
using Responsive Structural Elements

John Orara's  
**MAGIC MUD**

Instant Housing  
and Safe Food  
Supply for  
Disaster Relief

Fireproof to 3200F	Hypoallergenic
Repels water	Breathable
Encapsulates toxins	Sound barrier
Recycles rubble	Thermal barrier
3D Printable	Anti-Ballistic
Stronger than concrete	30-minute cure
35% Lighter	Pump, spray or trowel
Lasts a century	Thin film substrate
90% less CO <sub>2</sub>	Solid color
Anti-Microbial	

**NEUSKYNS™**  
*Pays for itself by reducing  
waste rather than creating it*  
*Patented and filed in 81 countries*

# Recent Awards and Acknowledgements

POLLUTEC STARTUP VILLAGE LEON FRANCE 2018

COMPOSITES of PARIS - FINALISTS CHICAGO 2019 Expo

ARCHITECTURAL RECORD “BEST NEW PRODUCTS FOR A BUILDING ENVELOPE” 2019

BUILT WORLD “Most Innovative Architectural Technology Group 2020”

MANUFACTURING TECHNOLOGY INSIGHTS – Top Ten Advanced Materials 2021



Cementitious smart  
Composites solid  
colors samples of 200  
color options. Above a  
nanocomposite wood  
shingle.





**NanoArchitech**



A Broad Range of products

Ocean friendly pipelines, seawalls & platforms

Precast concrete & cement products

Infrastructure repair & replacement

Nanocomposite Structural Panels

Award-Winning Resilient Building Envelopes

High Performance rejuvenation applications

# Infrastructure and Building Envelopes for Resilience & Carbon Sequestration

Carbon Sequestration and Reduction

New Infrastructure and Restoration

High Impact Sustainability

Net Zero Emissions

“ Building Back Better ” Infrastructure  
& secure, energy efficient buildings





# NanoArchitech

## Company Objectives

Minimize toxic concrete carbon footprint by 80% ASAP.

Save Billions of Dollars with Century long durability.

NANOARCHITECH's Autonomous Building System becomes adapted for earth and space.

Partnerships, Blending facilities & Collaborations emerge globally.



# NanoArchitech

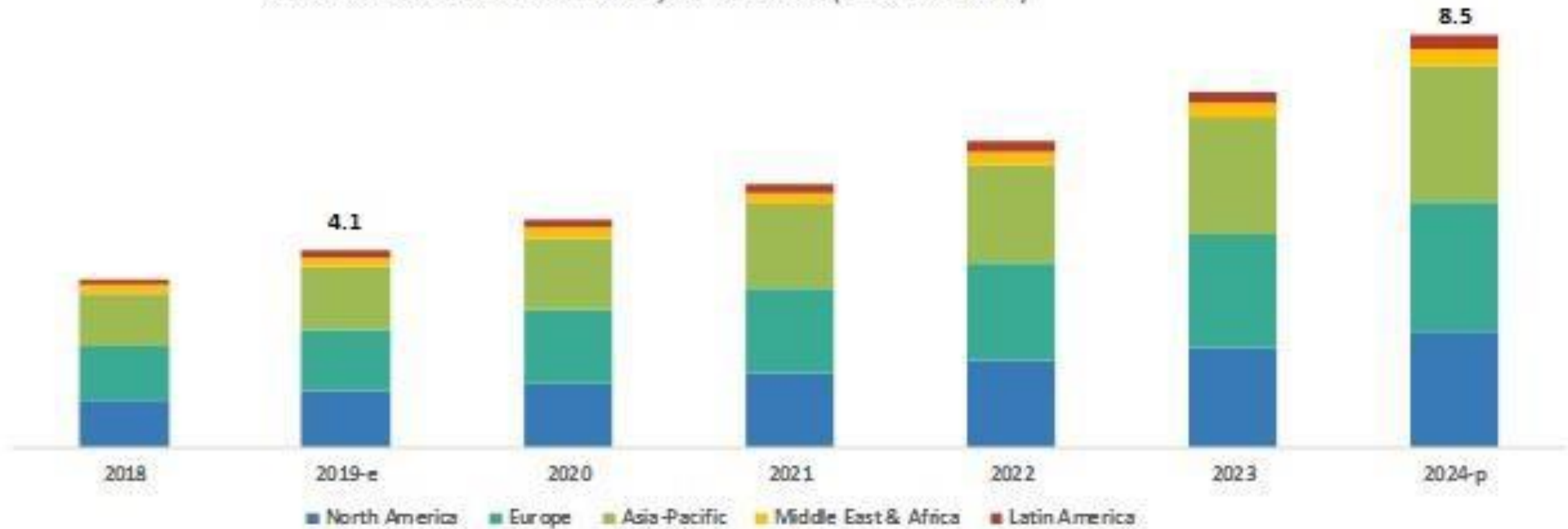
BENEFITS are: stronger PSI, lighter weight, fast cure time  
water cannot penetrate the high density  
fireproof to 2700 F plus  
80% less CO<sub>2</sub> in processing  
recycles materials as filler  
hypoallergenic & antimicrobial  
sound barrier, thermal barrier  
pump, spray, trowels, casts, 3D printable  
conductive or non-conductive  
breathable





# NanoArchitech

NANOCOMPOSITES MARKET, BY REGION (USD BILLION)





## Product focus is on critical issues

### CALIFORNIA'S CEMENT INDUSTRY FAILING THE CLIMATE CHALLENGE



Detox the Concrete Industry-  
10% of all Global Emissions  
Repair Deteriorated Bridges



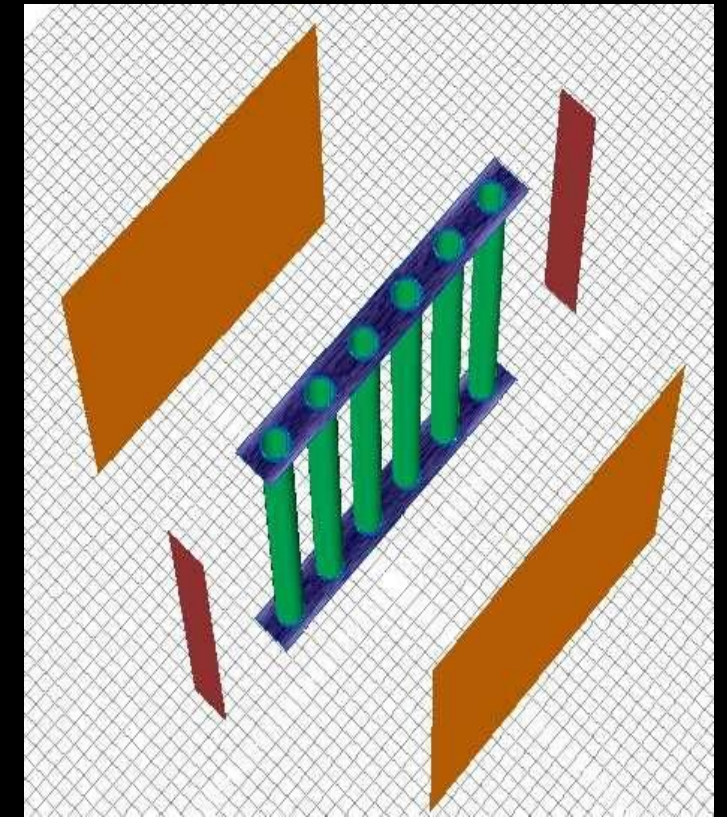
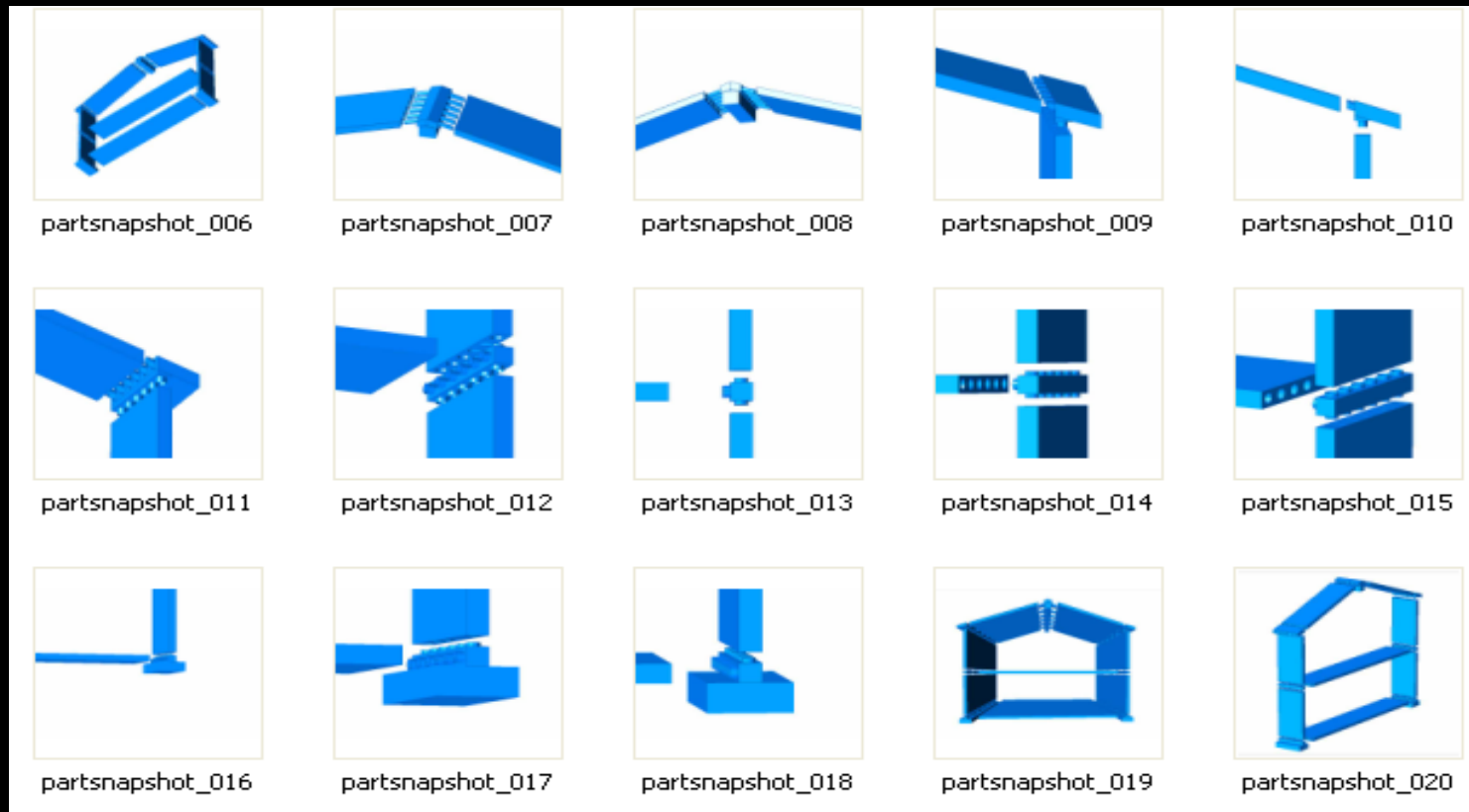
Paradise lost in California – one of many fires that could have been prevented. These homes would still be standing!



Resistant to salt water, corrosion  
& chemicals for ocean and  
underwater applications

# Threat Responsive Structural Elements and Assembly System ( Patented)

A Dual Purpose Composite Closed-loop Tube & Panel System maximizes building security and energy efficiency





# NanoArchitech

## Infrastructure Project - Canada



Walls Cured in one hour in subzero temperatures and in half the time in warmer climates.





# NanoArchitech

## Upcoming Events



Speaking and Exhibiting at  
[www.tinyfest.events/tinyfest-Pleasanton-California-2022](http://www.tinyfest.events/tinyfest-Pleasanton-California-2022)

Healthy homes and advanced materials for  
disaster resilient structures.

**NATURAL DISASTERS EXPO**

GET EXPERT  
**KNOWLEDGE**  
FROM OUR  
**SPEAKER**



**Jan Thoren**

Nano Architech Inc

REGISTER FOR YOUR  
**FREE TICKET**

**ANAHEIM CONVENTION CENTER**  
9 & 10 NOV 2022



The Cleantech Open  
Global Forum & Verge  
San Jose Convention Ctr.  
October 24-27, 2022  
Alumni Showcase  
Climate Tech Solutions



# NanoArchitech

## Call To Action! Join Us in Preserving the planet !

- Manufacturing Opportunities
- Global Opportunities for partnerships and Collaborations
- Stewardship & Education and Volunteering
- Social , Health and Environmental Benefits