Investor Presentation

California Nanotechnologies Corp.

October 22, 2025 I Planet MicroCap Showcase: TORONTO 2025

calnanocorp.com

TSXV:**CNO** | OTC:**CANOF**

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All figures in this presentation are in U.S. Dollars unless otherwise specified.

OUR MISSION

Cal Nano is on a **mission** to bring next generation materials to market with cutting-edge technologies

We imagine a world in which our **advanced technologies** are used to make the most innovative products on this **planet** and **beyond**

OUR IMPACT

We help companies process advanced materials from powder to part

By partnering with Cal Nano, our clients develop and produce materials for cutting-edge applications, enhancing material properties such as strength and lightness

Examples of Applications

- Rocket Engine Components
- Nuclear Reactor Materials
- Sputtering Targets
- Military Armor
- Deep Cycle Battery Parts
- Specialized Conductors
- Thermoelectrics
- Automotive Brakes
- Metal Alloy Disks
- Recycling Waste Metals

HISTORY

Our evolution from small-scale to larger-scale

Past *2018 to 2024*	Present *2024 & 2025 Calendar Year Accomplishments*
• Mr. Eric Eyerman appointed as interim CEO in 2018 and CEO in 2019 • $0.5 million in revenues for FY2018, significant debt load of $2.0 million+ • Main location in Cerritos, California had two lab-scale SPS machines and small-scale cryomilling • Exclusively R&D based projects and work	• Brought on key hires such as Chris Melnyk for business development • Debt free for first time in 15 years • Signed a lease for new flagship facility in Santa Ana, California to house new equipment and increase capacity • Commissioned new MSP-5 SPS machine, largest in North America for R&D and commercial services • Won first two commercial production purchase orders and signed a non-binding LOI for another

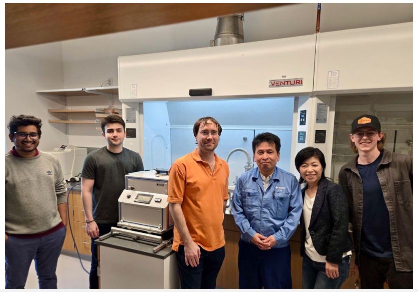
(1) For TTM period ending February 28, 2025

CAL NANO IN 2026

Strategic Priorities and Objectives For 2026

First ones announced in April and October 2025

- Execute first commercial production orders to transition from pure R&D service provider
- Backfill manufacturing capacity at Santa Ana facility with new orders and work
- Build long-term partnerships with industry participants to scale sales
- Locate and hire key talent to support sales and operations
- Build a more resilient customer base with a mix of R&D and commercial revenues



calnano

We are a leading U.S. advanced materials manufacturer

Capabilities spanning both R&D and commercial production that utilize next-gen technologies

$4.5M
TTM[(1)] Revenue

150+
Global and local customers who partner with Cal Nano

15,000+
Runs performed on proprietary equipment for customers

2
Patents[(4)] (Granted and Pending)

2 Core
Technologies (SPS[(2)] and Cryomilling) driving new material innovations

20 Dedicated
Employees headquartered in Los Angeles County, California

Amounts are in USD unless otherwise stated (1) For TTM period ending August 31, 2025
(2) Spark Plasma Sintering (3) Non-IFRS Measure (4) Patents Issued in U.S.

CORE TECHNOLOGY #1

Cryogenic Milling

A specialized grinding/mixing process conducted in a cryogenic liquid environment of -190°C used to make nanomaterials & high-performance alloys

01 **Particle Size Reduction**
Rapidly reduces particle size in materials that smear

02 **Custom Alloys and MMCs**
Create unique materials by combining different

03 **Material Properties Improvement**
See 2x increase in strength in certain applications like aerospace

04 **Moisture, Oxygen or Heat Sensitive Materials**
Can process dangerous materials very effectively and safely

CORE TECHNOLOGY #2

Spark Plasma Sintering

A novel process that turns powder into solid parts. SPS rapidly creates materials and components with unique properties that are not possible with traditional manufacturing techniques

01 **Extremely Versatile**
Compatible with many materials such as ceramics and alloys

02 **Shorter Cycle Times**
Up to 10x faster than traditional techniques

03 **More Cost Effective**
Energy savings of 80%+ compared to conventional sintering

04 **Bonding and Functionally Graded Materials**
Bond metals to ceramics for complex electronic components

Services and Equipment Sales

WHY INVEST IN CAL NANO?

A unique asset with proven capabilities and opportunities for significant growth

01

High technology service provider

Specialized manufacturing service provider in the growing field of advanced material processing

02

Growing SPS adoption in North America

Adoption for Spark Plasma Sintering (SPS) core technology at inflection point which will support more customer demand

03

Onshoring of U.S. manufacturing

Trend towards supply chain resiliency bringing manufacturing back to U.S. with attractive tax and grant incentives

04

Transition from R&D to commercial-scale

Significant growth opportunity from move to include larger-scale commercial product manufacturing

05

Past proven profitability

Company has generated 60%+ gross margins and positive EBITDA[1], showcasing the potential for a profitable business model

06

High barrier to entry

Over a decade of know-how (15,000+ trials) and technology infrastructure to successfully deliver on projects at scale

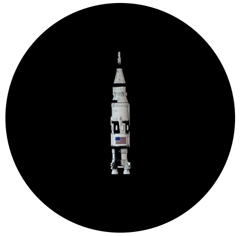
(1) Non-IFRS Measure

COMPETITIVE ADVANTAGE

A blend of rare equipment and specialized know-how, makes us one-of-a-kind in North America

Largest SPS machine available in North America for R&D and commercial services

Deployed a new Dr. Fritsch MSP-5 Model in September 2024



Technology moat through 20+ years of experience and one process patent granted

Reputation for premium R&D services shown through strong unit economics

R&D processing times exceed those of competitors

In some instances, timelines have been cut from weeks to hours, resulting in significant savings of time and money for customers

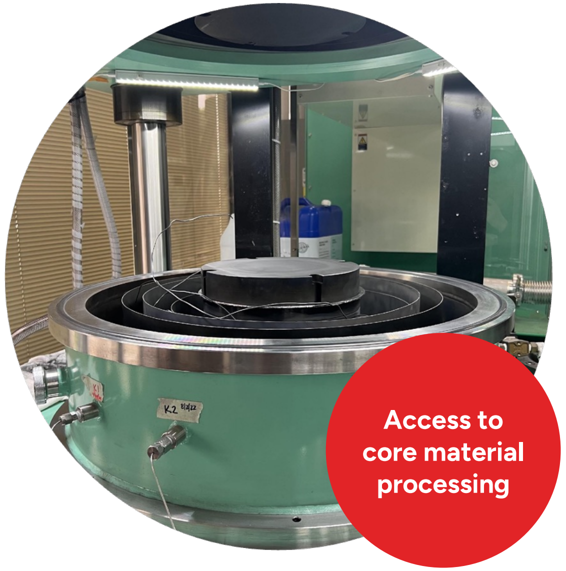
One-stop shop for all powder metallurgy needs

In some instances, timelines have been cut from weeks to hours, resulting in significant savings of time and money for customers

BUSINESS MODEL

Our business model helps make innovative products

Our technologies deliver key material improvements that enable new products to get to market



Manufacturing Services

91% of TTM(1) revenues

- Selling toll access to key technologies (SPS and Cryomilling) to manufacture customers' key components
- Includes post-processing production services

Equipment Sales

9% of TTM(1) revenues

- Selling the key technologies for customers to use in-house
- Includes aftermarket service & support

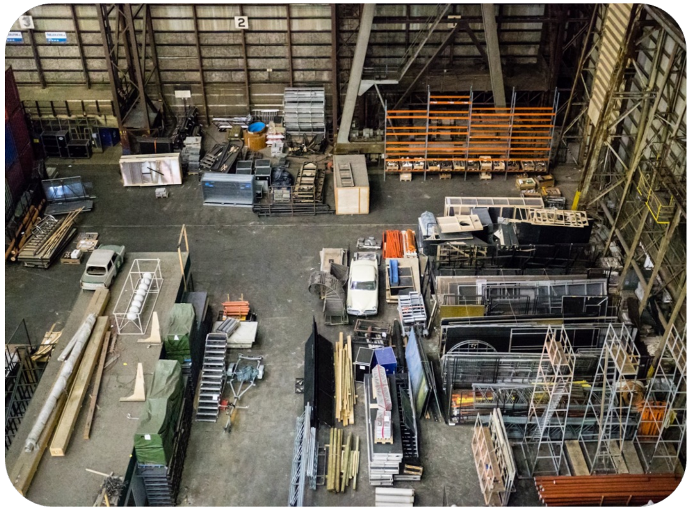
Cal Nano's business model addresses each part of the customer's advanced manufacturing supply chain

(1) For TTM period ending August 31, 2025

MARKET OPPORTUNITY

Growing market supported by several key trends

Cal Nano is well positioned to benefit from these trends from its **first mover advantage** and **local U.S. presence**

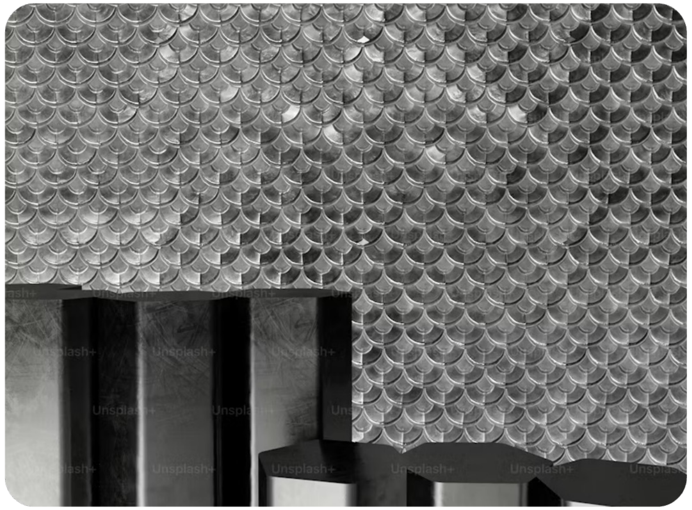


Turnkey Manufacturing Support

Companies seeking a rapid shift of advanced manufacturing back to the U.S. amid uncertainties can rely on Cal Nano's capabilities to assist in the transition

Need For More Advanced Materials

Industries such as nuclear energy, semiconductors, power generation are demanding innovation and new materials to satisfy growing demands



Transition from Traditional Sintering

Traditional sintering techniques are less effective than SPS which will move the technology along adoption curve

GROWTH STRATEGY

Cal Nano's flywheel creates a growth engine for future traction and success

GROWTH STRATEGY

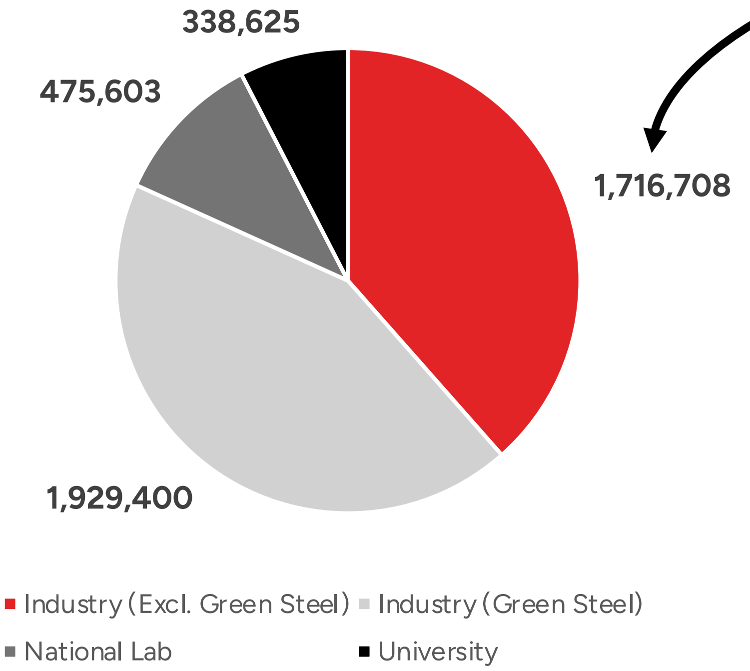
Growth strategy to become a more valuable company

Leveraging our profitable and expanding R&D base to become a commercial-scale partner

From R&D Provider → **To R&D and Commercial Partner**

TTM Revenue[1]

(in US$ thousands)



(1) For TTM period ending August 31, 2025

(2) As of October 22, 2025

Base of **industry clients** represent opportunities for **commercial production**

- **Six** potential commercial production clients in pilots or discussions[2]
- **Three** commercial announcements (Oerlikon, AbTech, military brakes) in calendar 2025 started with R&D
- **Potential annual value** in manufacturing services ranges from $250K to $2 million+ per commercial client

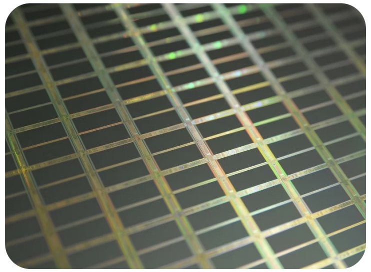
Customers & Example Applications

Advanced Ceramics

Inorganic, nonmetallic, highly engineered crystalline materials, reactor components

Refractory Metals

High melting points (above 2000°C), outstanding strength, and resistance to wear, heat, and deformation under extreme conditions



Thermoelectrics

Materials to support converting temperature differences into electrical voltage calnano

A unique service offering in North America

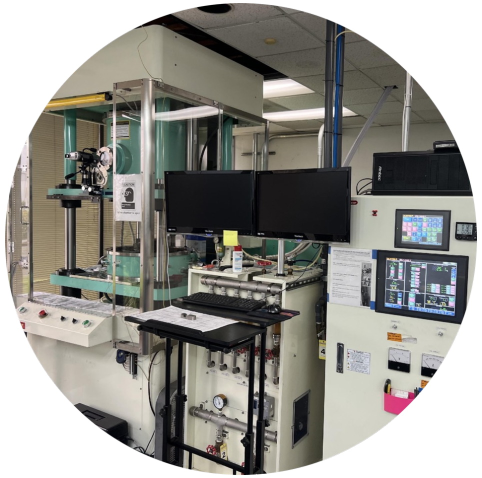
Cal Nano's incentives and portfolio of services result in a differentiated market offering

	calnano	DR.FRITSCH, FCT Systeme GmbH, THERMAL TECHNOLOGY LLC Equipment Manufacturers	INL National Labs & Universities
Incentive	**Sell Manufacturing Services**	**Sell Equipment**	**Provide R&D Support**
R&D Service Offering	✓	✓	✓
Production Service Offering	✓	-	-
Cost Competitive	✓	-	-
SPS and Cryomilling Access	✓	-	-
Aftermarket Parts	✓	✓	-
Aftermarket Services & Training	✓	✓	-
Current SPS Capacity	**1,000s parts/yr**	**Not Applicable**	-
Current Cryomilling Capacity	**10,000s kg/yr**	**Not Applicable**	-
Trials Completed to Date	**15,000+**	-	**Varies by Institution**

Sources: Management Estimates

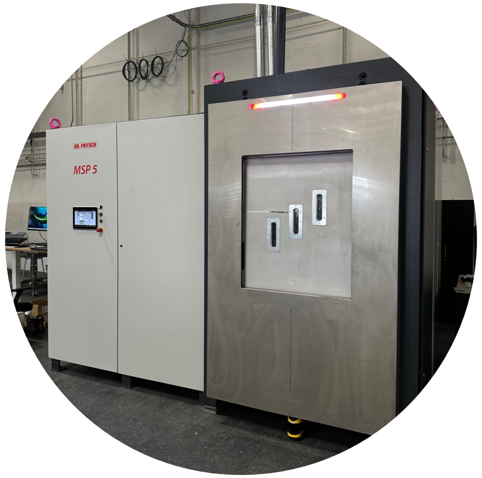
MANUFACTURING FOOTPRINT

Two flagship facilities located in Southern California for core SPS and Cryomilling equipment



Cerritos Manufacturing Facility

Original 3,500 sq. ft manufacturing facility co-located with sister company Omni-Lite Industries, hosts SPS machines, a cryomill, and associated aftermarket parts and service



Santa Ana Manufacturing Facility

Commissioned in September 2024, the 19,500 sq. ft advanced materials manufacturing facility hosts the largest commercially available SPS machine (MSP-5) in North America along with cryomills, tooling shop, and warehousing

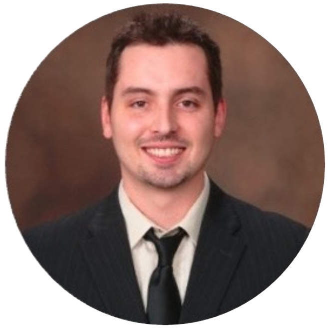
MANAGEMENT TEAM

Strong leadership with deep materials expertise and diverse experience

Eric Eyerman
CEO & Director

Spencer Song
VP of Operations

Brian Weinstein
VP of R&D



Chris Melnyk
Director of Business Development & Director

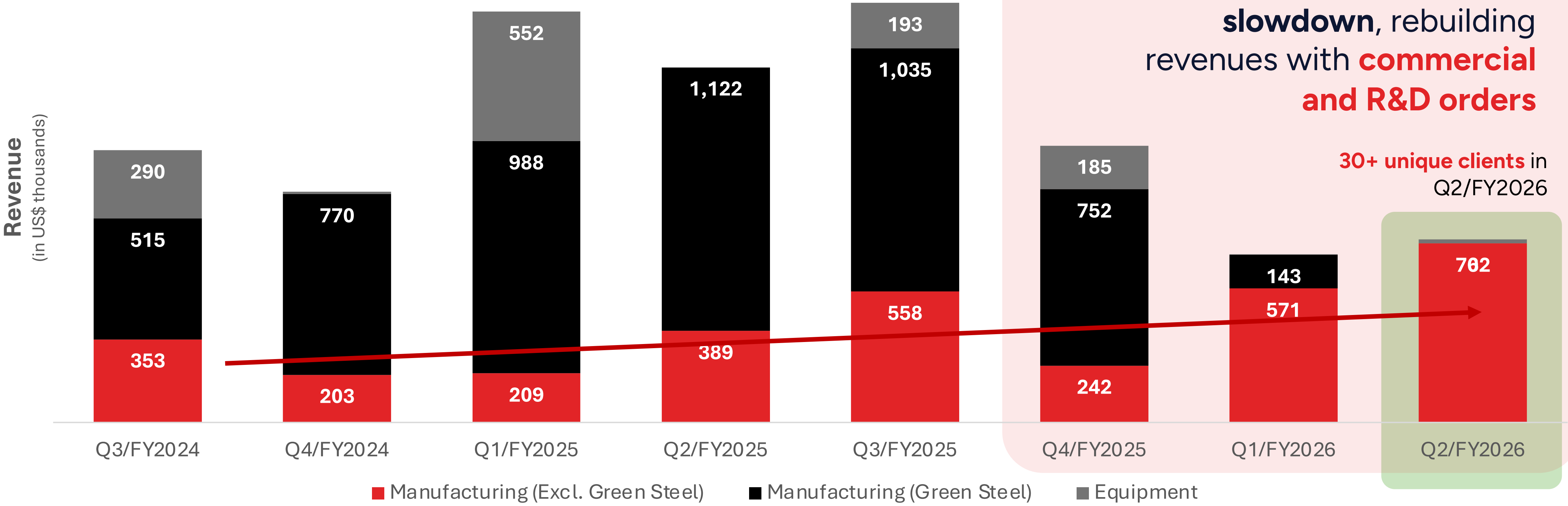
Roger Dent
Independent Director

Sebastien Goulet
Independent Director

Enrique Lavernia
Independent Director

Transition to more resilient revenue base

Green steel client brought significant R&D revenues and concentration, moving toward higher number of clients and commercial production



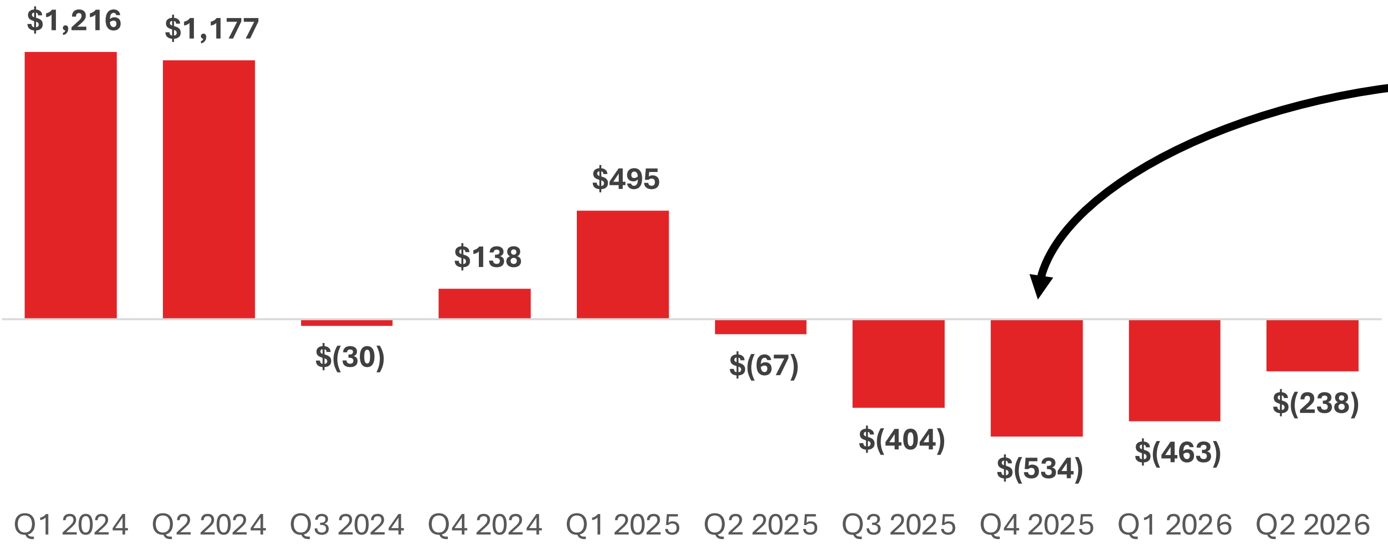
Green Steel customer slowdown, rebuilding revenues with **commercial and R&D orders**

30+ unique clients in Q2/FY2026

FINANCIAL HIGHLIGHTS

Improving balance sheet while funding growth

Management committed to prudent capital allocation, resulting in debt reduction



Net Debt[(1)]
(in US$ thousands)

Became debt-free after final repayment to Omni-Lite in Nov. 2024

Elimination of legacy debt offers more flexibility to use excess cash generation for organic growth and other initiatives

(1) Non-IFRS Measure; Net Debt means the aggregate interest-bearing debt minus cash and cash equivalents

CAPITALIZATION

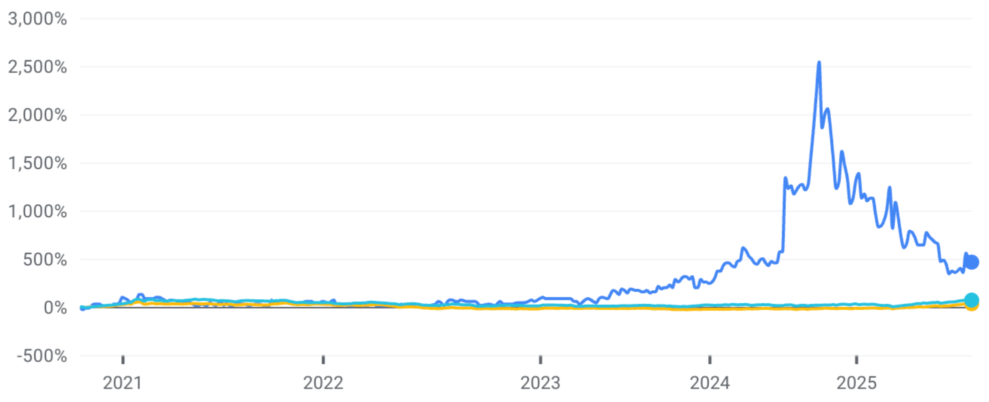
Capitalization Table and Insider Ownership

California Nanotechnologies Corp. – TSXV: CNO, OTC: CANOF	
Outstanding Shares	48,076,256
Stock Options	4,315,779
Warrants (Exercisable at CA$0.25)	4,315,779
Fully Diluted Shares	**53,322,650**
Market Capitalization[1]	**CA$19.0M**
Fully Diluted Market Capitalization[1]	**CA$21.0M**

Insider Ownership	Shares	% Outstanding
Omni-Lite Industries Canada Inc.	6,974,670	14.5%
Roger Dent[2]	4,243,671	8.8%
Eric Eyerman[3]	2,991,340	6.2%
Christopher Melnyk	2,551,463	5.3%
Other Insiders	2,674,661	5.6%
Total	**19,435,805**	**40.4%**

(1) As of October 17, 2025, at a share price of $0.395
(2) Includes ownership through Quinsam Capital Corporation
(3) Includes shares related to a loan agreement from an issuance of units (October 30, 2023) with Eric Eyerman, CEO & Director

Cal Nano Relative Performance to Benchmark Indices



	Last 5-year performance		
California Nanotechnologies	$0.395	+$0.33	464.29%
S&P/TSX Venture Composite	733.37	+100.35	33.13%
LD Micro Index (USD)	3,212.33	+1,165.26	70.46%

For more information

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