FORGE NANO

The Future of Manufacturing Innovation

Forge Nano Pre-Listing
Analyst & Investor Update

September 22, 2026

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In connection with the proposed business combination, ATII Holdings Inc. ("Pubco"), a wholly owned subsidiary of Archimedes Tech SPAC Partners II Co. ("ATII"), and Forge Nano, Inc. (the "Company") have filed documents with the U.S. Securities and Exchange Commission ("SEC"), including a registration statement on Form S-4 (the "Registration Statement"), which includes a proxy statement of Archimedes II and a prospectus of Pubco relating to the proposed business combination. After the SEC declares the Registration Statement effective, the Registration Statement will be mailed to ATII's shareholders in connection with the proposed business combination.

Before making any voting decision, investors and security holders are urged to read the Registration Statement and any other documents filed or to be filed with the SEC in connection with the proposed business combination or incorporated by reference in the Registration Statement because they contain important information about the proposed business combination. Any vote in respect of resolutions to be proposed at ATII's extraordinary general meeting to approve the proposed business combination or other responses in relation to the proposed transaction should be made only on the basis of the information contained in the Registration Statement.

Investors and security holders may obtain free copies of these documents, as they become available, and other related documents filed with the SEC at the SEC's website at www.sec.gov or by directing a request to Archimedes Tech SPAC Partners II Co., 2093 Philadelphia Pike #1968, Claymont, Delaware 19703.

ATII, Pubco, Forge Nano, and certain of their respective directors, executive officers, other members of management, and employees may, under SEC rules, be deemed to be participants in the solicitation of proxies from ATII shareholders in favor of the proposed business combination. Information about ATII's directors and officers is set forth in Archimedes II's Annual Report on Form 10-K for the fiscal year ended December 31, 2025, which was filed with the SEC on March 4, 2026, and in ATII's other filings with the SEC. Additional information concerning the interests of participants in the solicitation, which may in some cases be different from those of ATII shareholders generally, is included in the Registration Statement. These documents are available free of charge at the SEC's website at https://www.sec.gov.

This communication is for informational purposes only and is not intended to and does not constitute, or form part of, an offer, invitation, or solicitation of an offer or invitation to purchase, otherwise acquire, subscribe for, sell, or otherwise dispose of any securities, or the solicitation of any vote or approval in any jurisdiction, pursuant to the proposed business combination or otherwise, nor shall there be any sale, issuance or transfer of securities in any jurisdiction in contravention of applicable law. No offer of securities shall be made except by means of a prospectus meeting the requirements of Section 10 of the Securities Act of 1933, as amended.

This presentation includes market and industry data and forecasts that the Company has obtained from industry publications, surveys, public filings and internal sources that the Company believes to be reliable, but there can be no assurance as to the accuracy or completeness of such included information. The Company has not independently verified any of the data from third-party sources, nor has the Company ascertained the underlying assumptions relied upon therein.

This presentation includes certain financial measures not presented in accordance with the generally accepted accounting principles in the United States ("GAAP"), including, but not limited to Net Sales plus Grant Income (which we define as net sales plus grant income). These financial measures are not measures of financial performance in accordance with GAAP and may exclude items that are significant in understanding and assessing the Company's financial results. Therefore, these measures should not be considered in isolation or as an alternative to net income or other measures of profitability, liquidity, or performance under GAAP. The Company's presentation of these measures may not be comparable to similarly titled measures used by other companies, which may be defined and calculated differently.

Today’s Presenters

Paul Lichty, Ph.D.

CEO, Forge Nano

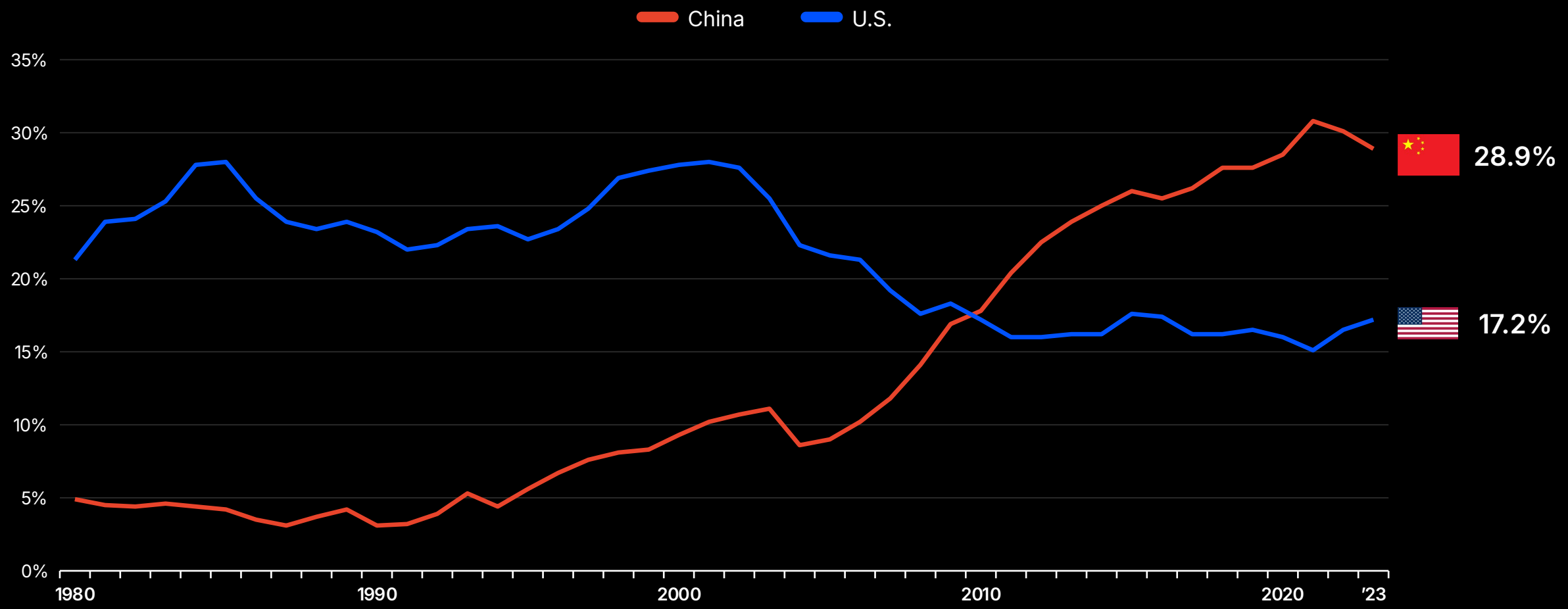
Co-founder and CEO of Forge Nano; Dr. Lichty invented the method of high throughput material surface engineering (atomic layer deposition, or ALD).

Dr. Lichty founded Forge Nano as a spin out from the University of Colorado Boulder in 2011.

Future of Manufacturing
Automated
Smarter
Connected
Circular
Atomically Precise

Global Manufacturing – China vs Made in America

China has out-manufactured the U.S. since 2011



* Output measured on a value-added basis in current U.S. dollars. Prior to 2004, Chinese data includes mining and utilities.

Source: United Nations Statistics Division

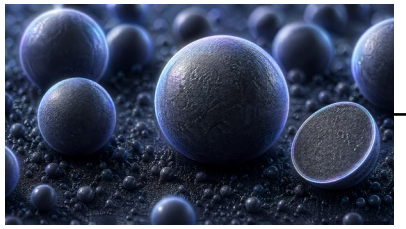
Strengthening America’s Critical Infrastructure, One Atom at a Time

One American technology platform. From materials to manufacturing.

Atomic Armor® Platform

Atomic-scale precision → industrial-scale manufacturing

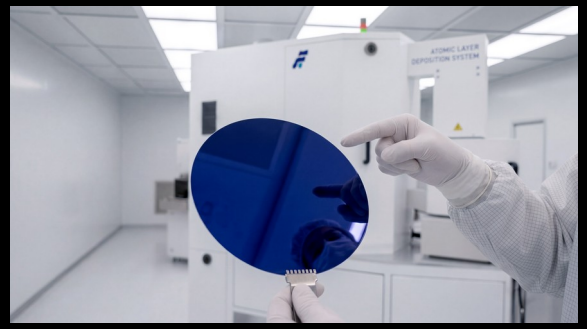
Semiconductor
Capital Equipment



Atomic Armor®
Coatings-as-a-Service

Lithium-Ion
Battery Cells

One Technology Platform. Transforming Critical Industries



Semiconductors

- Next-generation chips with greater capabilities
- Advanced compute with reduction in energy usage

Advanced Materials

- Stronger magnets using existing supply chain
- Advanced powders for pharmaceutical, 3D printing

Defense & Aerospace

- Lighter systems = more payload
- Advanced propulsion and operating conditions

Energy Storage

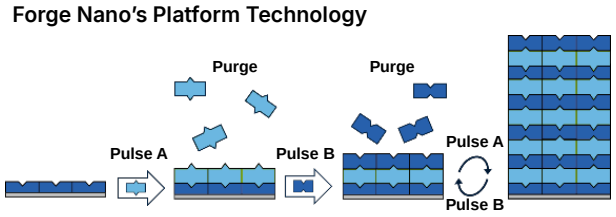
- Better, more resilient batteries with more energy, longer operating & shelf life
- U.S.-made, with U.S. supply chain

One scalable platform. From powders to wafers to battery cells.

Atomic Armor®: Atom-by-Atom Coatings, At Scale

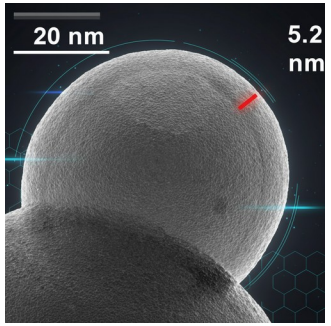
Ultra-thin coatings engineered onto material surfaces to improve performance, durability and efficiency

Atom-by-Atom



Precise, Nanoengineered Surface Coating

Conformal Coatings



Preventing Detrimental Surface Reactions

At Scale

A World Leader in Scaling Solutions for ALD

Patented Tech Improves Products With Speed & Scale

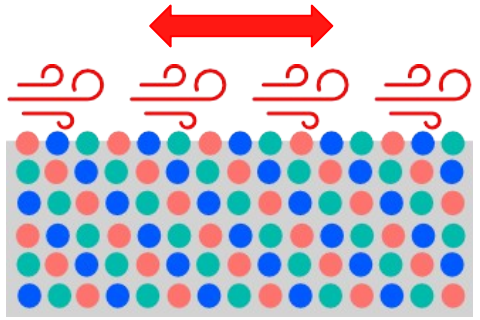
Traditional Coating Methods

Forge Nano Atomic Armor®

Material Coatings

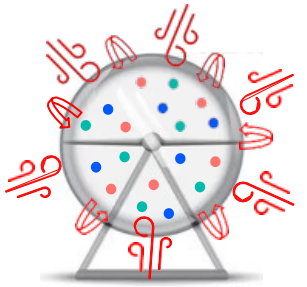
Directional Flow

Top of the material pile coated conformally



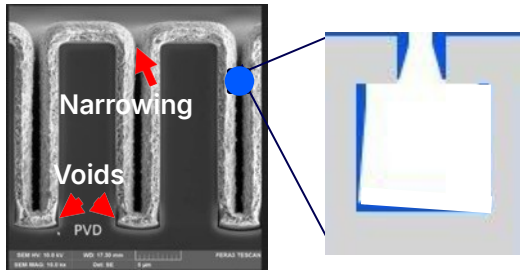
Turbulent Flow

All surfaces of “floating” material coated conformally



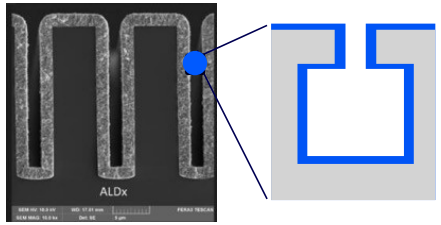
Substrate Coatings

“Rain” Deposition

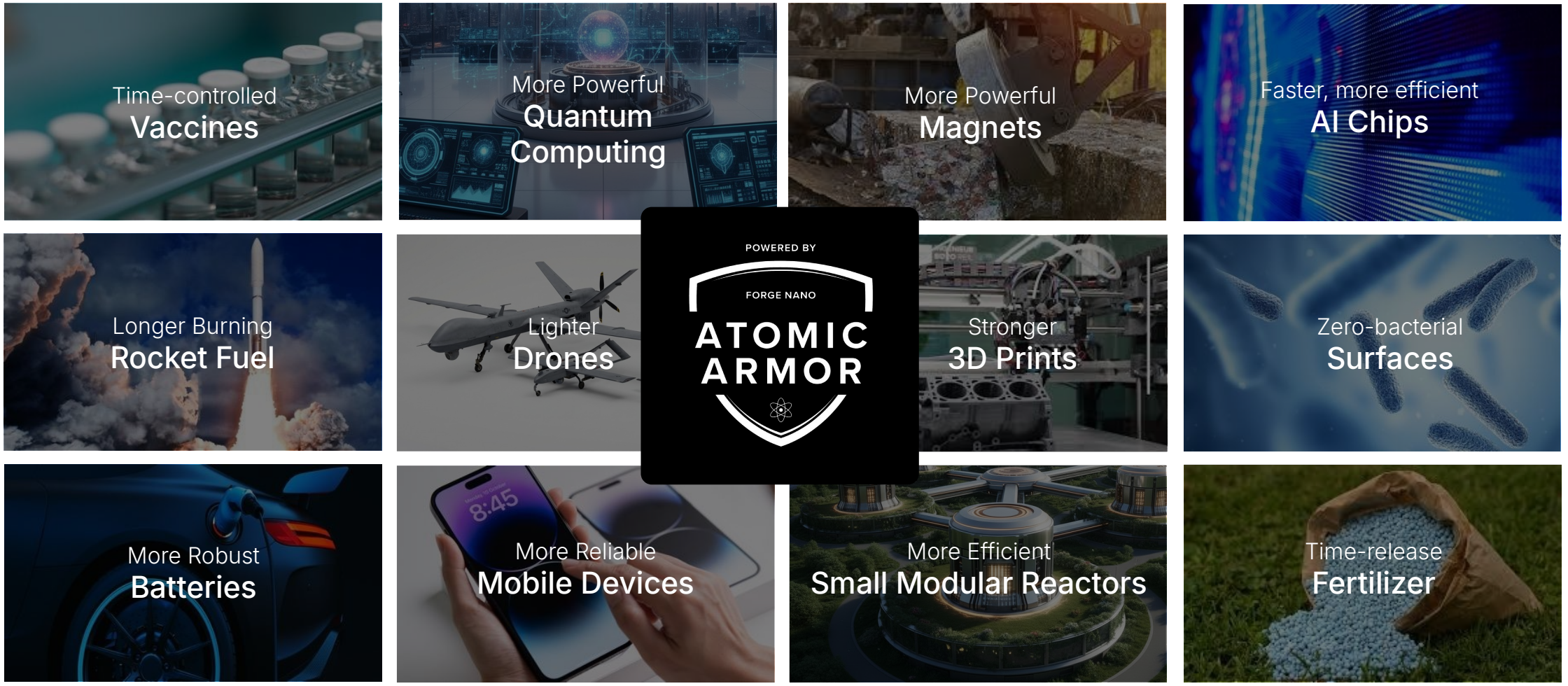


“Fog” Deposition

“Fog” coating surrounds all external surfaces



Atomic Armor® Opens New Critical Market Opportunities



Outsourced Innovation Pipeline

Forge Nano places smaller systems across universities, national labs and global corporates – expanding R&D without building every lab internally.

50
Leading R&D institutions

25 Global Corporates

18 Universities

7 National Labs

$100M+
Research Grants Received

Forge Nano has incubated multiple applications and markets and has received over $127M for grants associated with research projects

Post-BCA Momentum: Commercial Traction, Strategic Partners & Execution

1000:1 ALD Unlocks NAND / DRAM / HBM Scaling

A rare semiconductor innovation that improves yield, throughput and cost simultaneously

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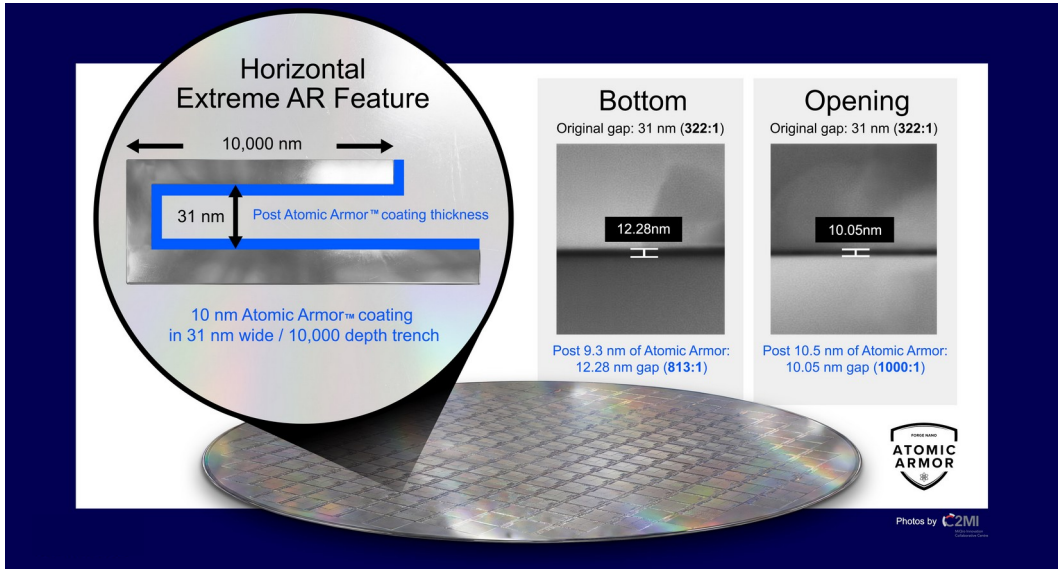
Forge Nano Transforms Advanced Semiconductor Chip Manufacturing with High-Speed 1000:1 Aspect Ratio Atomic Layer Deposition Coatings

February 5, 2026



Independently validated on production-representative wafers by C2MI

"...we've fundamentally eliminated the primary bottleneck constraining the next-generation of semiconductor architectures."

- Paul Lichty, CEO, Forge Nano

1000:1
Aspect Ratio, Defect-Free

10x
Faster Than Competitive ALD

100x
Precursor Efficiency Gain

Taiwan Opens Door to Memory / Logic / AI Market

Partnership with local contract manufacturer enables quicker market entry point

Forge Nano Announces Opening of Taiwan Office to Accelerate AI-Driven Photonics Manufacturing and Expand Regional Operations

March 24, 2026

"....we are delivering faster response, higher uptime, and the process-level partnership required..."

- Wyman Fang, COO, Forge Nano

Tier-1
Wafer Fab Deployment

Innovating
with Leading Edge Experts

Global
Service Footprint

Photonics Deployment Validates ALD for AI Infrastructure

Production ALD for next-generation optical and photonic devices

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Forge Nano Delivers Semiconductor Wafer Fab Equipment to Leading Fortune Global 500 Communications Company for Commercial Photonics Applications

May 14, 2026

"...increasingly critical components of the global AI and data infrastructure buildout."

- Paul Lichty, CEO, Forge Nano

Optics

Market Penetration

Application

Development Increased

Transmittance

Increased by 30% by Replacing CVD

Samsung SDI Partnership De-Risks Scale-Up

Authorized U.S. distributor of Samsung SDI cells; Atomic Armor® planned for future Samsung products

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Forge Nano Forms Landmark Strategic Partnership with Samsung SDI to Enable U.S. Production of Advanced Battery Cells

June 25, 2026

"...a landmark agreement unlike anything we've seen in the global battery industry today."

- Paul Lichty, CEO, Forge Nano

3 GWh/yr
~150M Cells Produced Yearly

$20M
SDI Investment

2028
Start-of-Production

Strengthened U.S. Supply Chain for Defense Batteries

Atomic Armor®-coated Group14 SCC55® silicon-carbon, built into Forge Nano cells

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Forge Nano and Group14 Advance U.S.-Made High-Performance Battery Cells with U.S. Material Supply Chain

May 28, 2026

"...a domestically sourced, high-performance cell they can integrate into their roadmaps today."

- Rick Luebbe, CEO, Group14

U.S. Sourced

NDAA-Compliant Supply Chain

Longer Life

High Cycle Life with ALD coating

Scaled Capacity

Silicon Supplier with Global Scale

Cleared a Critical Gate for Defense Battery Revenue

Thornton, Colorado battery line producing DoW test cells from U.S.-only materials

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Forge Nano Achieves ISO 9001 Certification as Demand Grows for U.S.-Made Battery Supply Chains

May 7, 2026

"...a critical step in unlocking future battery revenue."

- Paul Lichty, CEO, Forge Nano

Certified

ISO 9001 Quality Control

U.S. Made

Made for DoW

U.S. Supplied

All U.S. supply Chain

AI-Driven Battery Scale-Up

Advanced AI analytics deployed across Forge Nano's U.S. battery development and manufacturing operations

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Forge Nano Expands Partnership with Battery AI Software Leader Voltaiq to Put AI at the Center of Battery Development and Manufacturing

September 17, 2026

"...[Voltaiq] help[s] companies like Forge Nano leverage AI on real battery problems, scale their operations, and compete more effectively."

- Tal Sholklapper, CEO, Voltaiq

Development

Formulation and Material Design

Speed

Scaled Operations

Quality

AI-Power Quality Control

Construction Underway: 2028 Demand for U.S. Batteries Increases

DOE-backed, 3 GWh/year expansion has entered construction, targeting 2028 production to meet new NDAA battery-sourcing requirements

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Forge Nano Breaks Ground on "America's Battery Gigafactory" to Strengthen U.S. Defense Supply Chains

August 19, 2026

"That is exactly the kind of manufacturing capacity our country needs."

- Audrey Robertson, Assistant Secretary, U.S. Department of Energy

315,000 ft²
Large-Scale Production

2028
Start-of-production

250 Jobs
Building NC Workforce

Partners & Supporters

U.S. Government Backing

U.S. DEPARTMENT of ENERGY

DEFENSE INNOVATION UNIT

U.S. Department of War

Strategic Investor Base

gm

MITSUI KINZOKU

SAMSUNG

Air Liquide creative oxygen

ASCENT FUNDS

Hanwha

RockCreek

Sumitomo Corporation

LG

Manufacturing and Construction Partners

SAMSUNG SDI

Top Material www.topmaterial.co.kr

ARCO DESIGN/BUILD

CMP

Updated Capital Stack Supports Execution Across Platform

$97M Series D closed and $123M in PIPE commitments, adding financial capacity and strategic alignment ahead of listing

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Forge Nano Secures Additional $23 Million in PIPE Financing at $10.00 Per Share, Closes Series D with Samsung Investment Ahead of Public Listing

July 14, 2026

"...a strong vote of confidence from both strategic and financial investors."

- Paul Lichty, CEO, Forge Nano

$123M
Total PIPE

$100M
Department of Energy Grant

$97M
Series D

Strategic Acquisition In Progress: HZO

Expanding Forge Nano into a full-spectrum advanced coatings platform with proven commercial scale and defense-grade credentials

Forge Nano and HZO have entered into a term sheet pursuant to which Forge Nano would acquire 100% of the equity of HZO for an aggregate consideration of $55 million paid in shares of Pubco Common Stock

September 2, 2026

12+ Years Commercial Traction

Full-Spectrum Platform

Defense-Grade Infrastructure, Already Built

HZO – Coatings as a Service: Validated by the Customers Who Demand the Most

Sampling of Current & Past Customers

Rakuten kobo · DELL · Netatmo · tolino · motorola · ELECOM · Prismview · SportEAR · BULLY DOG · NAVELITE · NIKE · ICE. · LAIPAC · RIDI · SARCOS · xylem · GENERAC · RESONETICS · NASA

Technology Proof Points

130+ IP Assets

2x Faster Throughput

IPX8 Meets or exceeds industry sustained submersion standard

50% Meets IPC standard at 50% thickness of traditional coatings

Market & Synergy

$1.8B

Global Parylene Coating Market — 2025
Growing to $3.4B by 2034 at 7.3% CAGR

- Defense Electronics Protection (ITAR Registered)
- Proprietary Parylene + ALD Coating Process
- Global Manufacturing Footprint
- ISO Certified
- Medical/Life Science

Roadmap & Vision

Current Semiconductor Business

Growing 200mm tool demand due to high throughput, high aspect ratio capabilities. Photonics market focus

2x
Tool build capabilities with additional cleanroom space

10x
Higher ALD throughput with proprietary process

88x
More efficient precursor usage

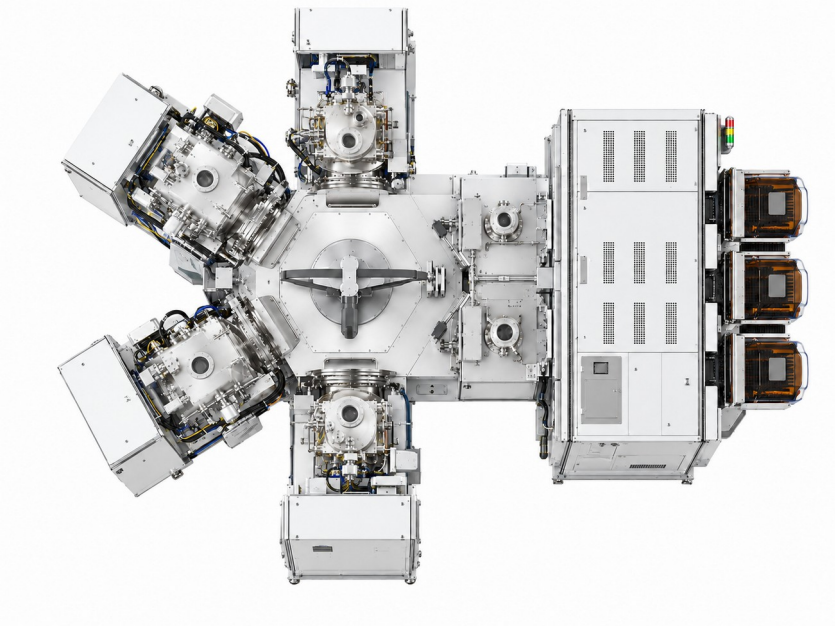
>100x
Better aspect ratio than coating competitors

200mm tools operating in fabs globally today. Customers driving demand for a 300mm tool as More than Moore tech move to larger 300mm platforms.

Future Semiconductor Business

Atomic Armor platform scaled into 300mm tool offering for leading-edge logic, memory and AI applications

Forge Nano 300mm Tool Prototype Design



Use of Proceeds To Fund:

- Increased Semiconductor staff
- Increased R&D spend for semi applications
- Expand global service footprint
- Larger cleanrooms & more build bays
- Larger metrology tools

Single wafer ALD semiconductor capital equipment market to grow between 9-13% to $5.1-$6.1B between 2024 and 2040. Forge Nano intends to grow market share with 300mm entrance.

Current Battery Business

Distributing Samsung cells, building 100% U.S. cells on CO prototype line and utilizing contract manufacturers for additional cell builds

Forge Nano-Distributed Samsung Battery Cells

- U.S. Distributor of Leading Cell Products, Driving Revenue
- Building Relationships with Future U.S.-Made Samsung Cell Customers
- Backed by Samsung Warranty

Forge Nano 100% U.S. Material Cell for DoW/DIU

- Produced for DIU on Forge Nano CO Prototype Line
- Using all U.S. Battery Material Supply Chain
- Building Resilient U.S. Supply Chain

Forge Nano battery revenue via Samsung cell distribution agreement and smaller-scale cell builds for defense customers.

Future Battery Business

3 GWh/year Gigafactory producing Samsung and Forge Nano battery cell products; Atomic Armor® planned for future Samsung products

Forge Nano-Produced Battery Cells

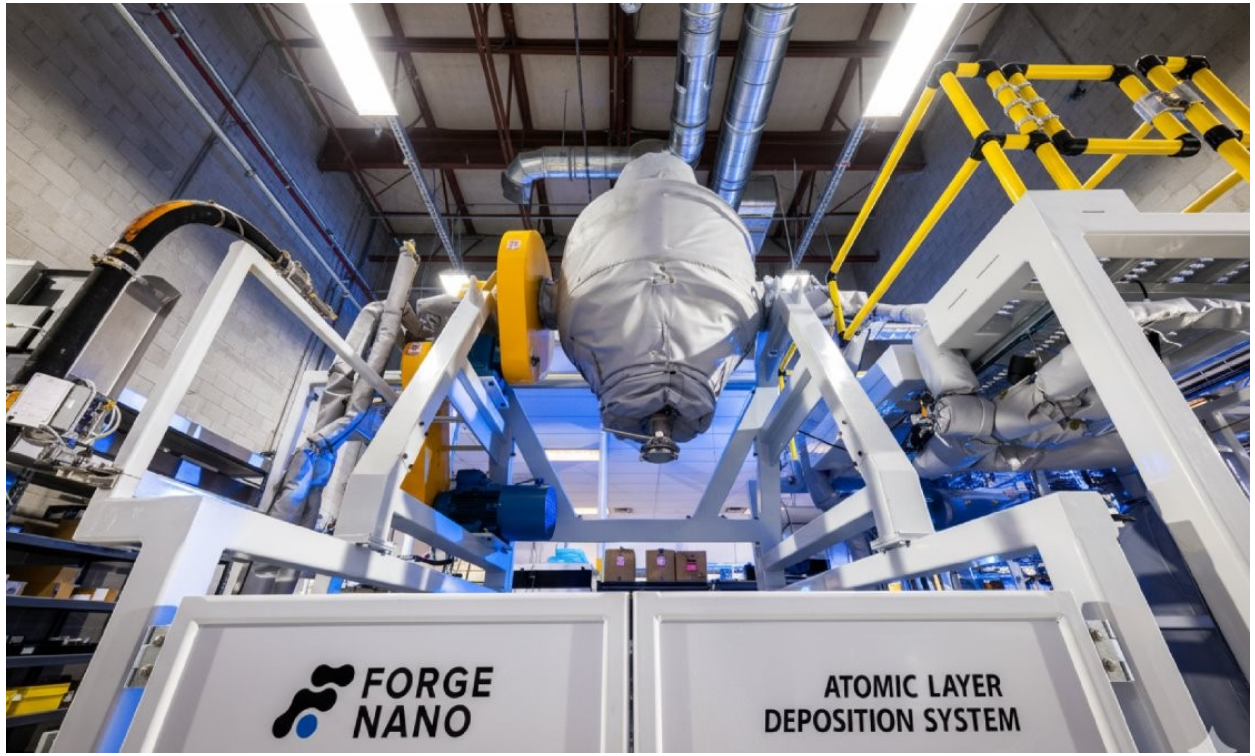
- 3 GWh/year NDAA-Compliant Manufacturing Facility Online
- Made-In-America Samsung Cells with Samsung Offtake
- Forge Nano Proprietary Cell Formulations

Forge Nano-Enhanced Samsung Cells

- Forge Nano & Samsung Plan to Incorporate ALD in SDI Cells
- Opportunity to Showcase ALD Benefits to Broader Material Market
- Next-Generation Cell Performance Capabilities

3 GWh/year battery manufacturing facility expected to be at full capacity to serve both Samsung and Forge Nano cell customers. Future Atomic Armor-enhanced Samsung cells planned.

Current Atomic Armor® Coatings as a Service



Current Applications

- Rocket fuel
- Implantables
- Additive manufacturing
- Battery materials

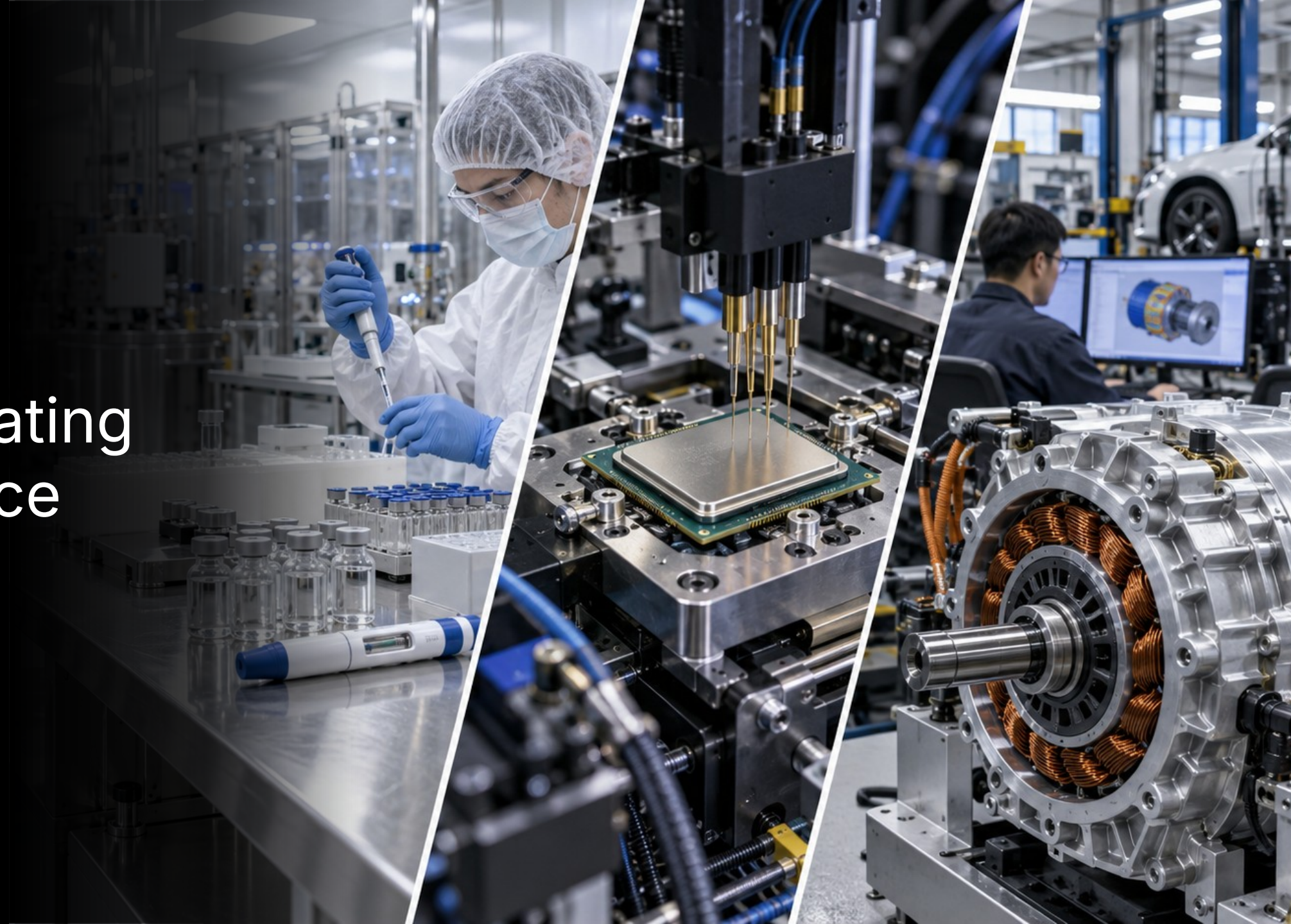
General Motors

Volkswagen

6k Energy

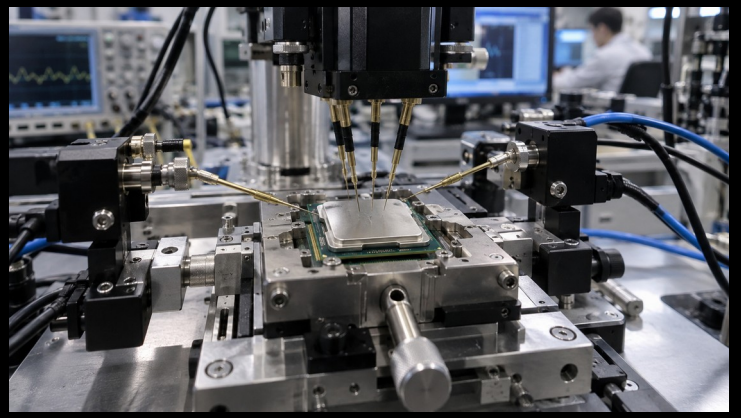
Nouveau Monde Graphite

Future Coating as a Service Verticals

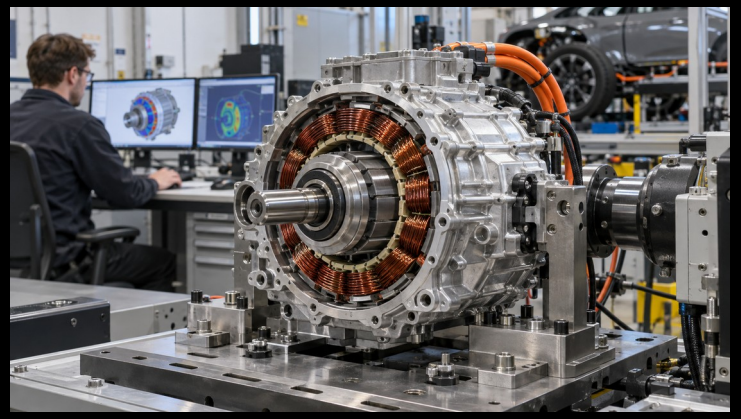


Future Coating-as-a-Service Verticals

Pharmaceuticals



Quantum Chips



Magnets

Rare Earth Minerals

Forge Nano and Nanexa Partner to Advance ALD Manufacturing

Collaboration intended to develop scalable, GMP-capable ALD manufacturing technology for Nanexa pharma programs

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September 22, 2026

Forge Nano and Nanexa Enter Joint Development Agreement to Advance Manufacturing for ALD-Coated PharmaShell® Long-Acting Injectable Medicines

"This collaboration is an important milestone, and the timing of the partnership is well aligned with our project portfolio and provides a clear path towards increased manufacturing capacity as our projects advance."

- David Westberg, CEO, Nanexa

Nanexa x Forge Nano: Redefining ALD Manufacturing for Injectables, One Layer At a Time

Mårten Rooth

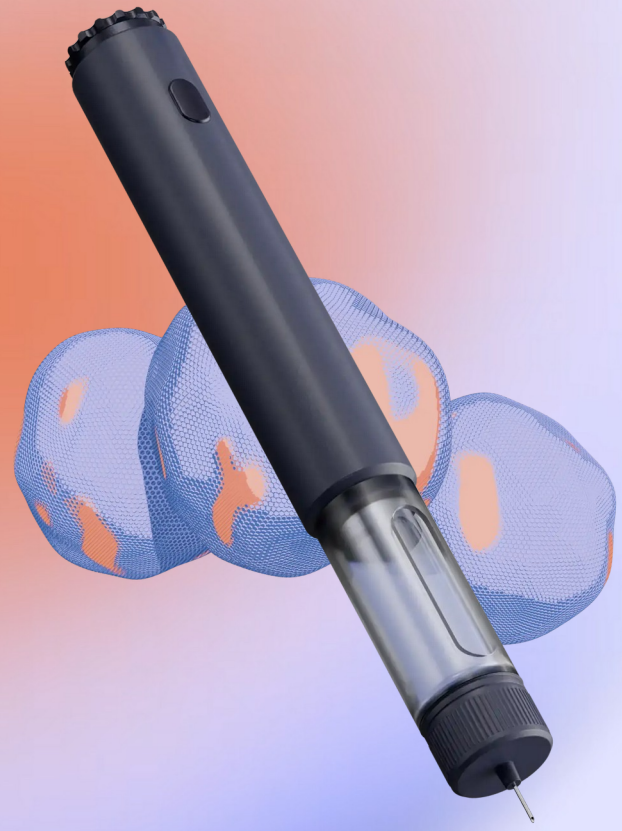
CTO & Co-Founder, Nanexa

Mårten Rooth is a co-founder of Nanexa and holds a PhD in Materials Chemistry from Uppsala University.

He has extensive expertise in Atomic Layer Deposition (ALD) and has authored several scientific publications in the field.

Where Nanoengineering Meets Drug Delivery

Nanexa's PharmaShell® technology is transforming the face of long-acting 'super generic' drugs with its proprietary suite of Atomic Layer Deposition (ALD) technologies.



nanexa

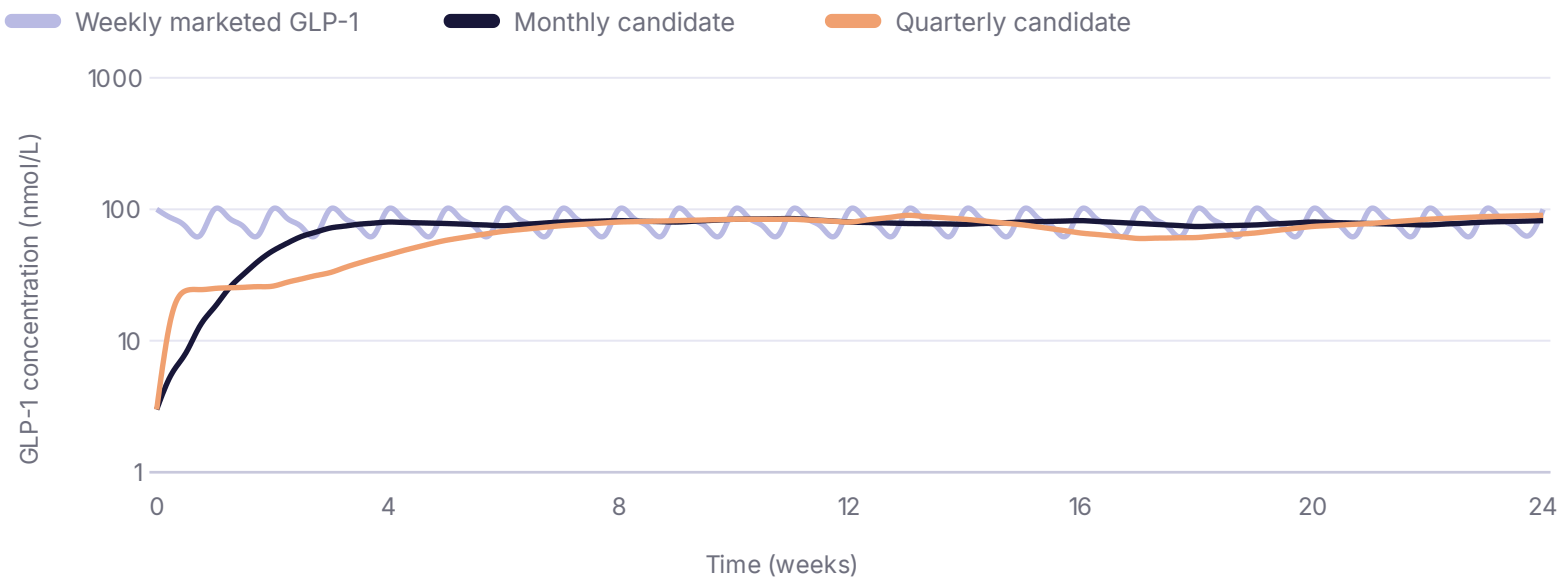
Long-Acting Injectables For Patient-Centric Care Using Nanexa's PharmaShell®

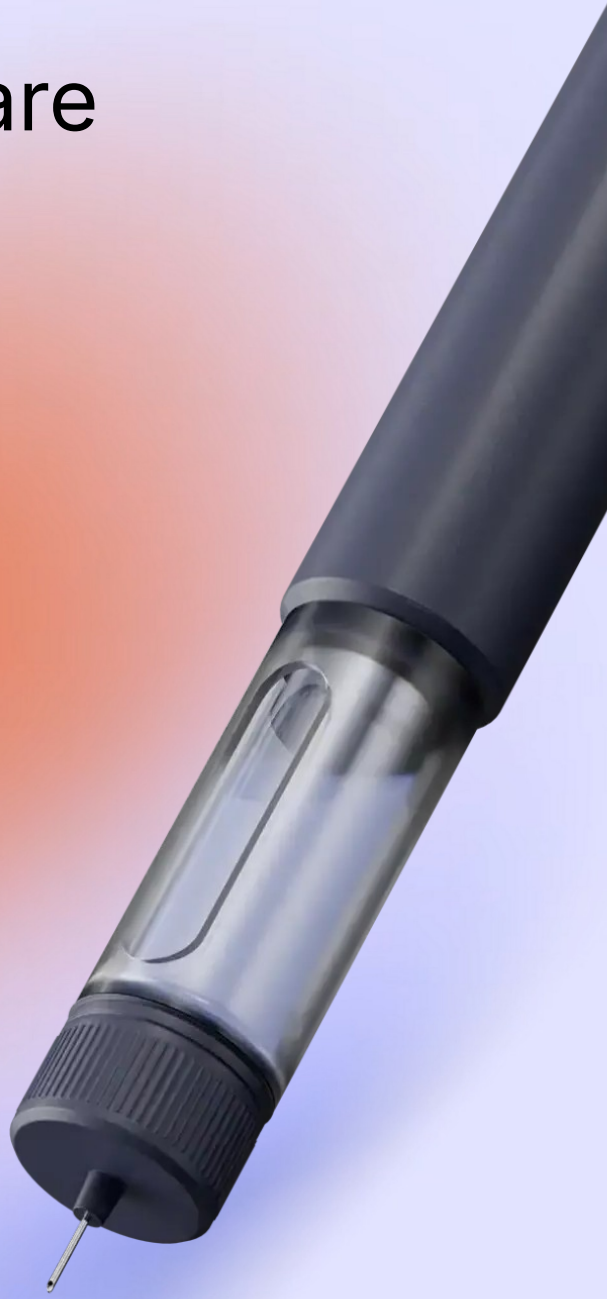
Versatile platform
Applicable across many therapeutic areas

Modality-agnostic
Small molecules through to biologics

Scaling up now
In collaboration with Forge Nano

Simulated PK profile: marketed GLP-1 vs PharmaShell candidates





nanexa

Preclinical data used to simulate pk profile of repeated dosing. Modelled results are not clinical outcomes

Atomic-Scale Control of Pharmaceutical Drug Release

Nanometer-scale conformal coatings can turn the API particle itself into a programmable release system

The Limit of Conventional Formulation

- Imprecise Release
- Formulation Complexity
- Short Shelf Life

FORGE NANO

Conformal nano-coating of each API particle

The Pharmaceutical Opportunity

- Programmable Time Release
- Higher Drug Loading
- Temperature Stability

The end game: turn drug release from a formulation art into atomic-scale engineering

Atomic-Scale Manufacturing For The Quantum Computing Race

Quantum performance increasingly becomes a materials + interfaces problem – exactly where atomic-layer precision can matter.

The Quantum Fabrication Bottleneck

- Noise & Decoherance
- Interface / Dielectric Loss
- 3D + High-Aspect Ratio Features

→

FORGE NANO

Conformal atomic-layer engineering

→

What Forge Nano Could Enable

- Higher-Fidelity Quibits
- Denser Quantum Processors
- Manufacturable Scale

The quantum race may be won at the atomic interface

America’s Push to Reshore Critical Manufacturing

Advanced manufacturing needs a resurgence in the U.S. at the scale the mission demands

80%
Lithium-ion production[1]

85%
Rare-earth processing[2]

In China

7%
Lithium-ion production[1]

5%
Rare-earth processing[2]

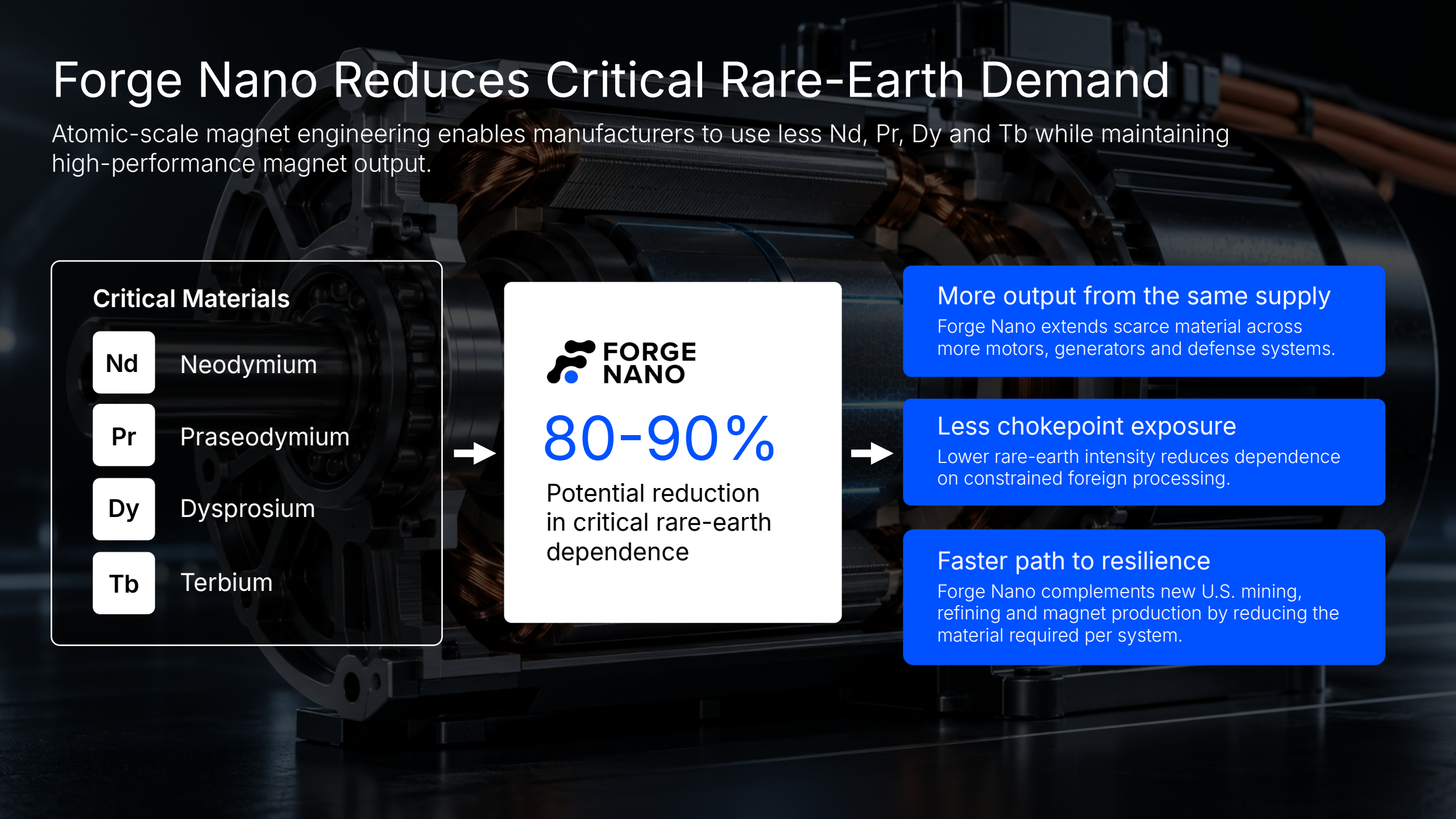
In the U.S.

Beginning in 2028, DoW procurement requirements accelerate
the need for a secure domestic battery supply chain

1) Center for Global Security Research 2)IEA Supply concentration, export restrictions and declining investment put critical mineral security at risk

Forge Nano Reduces Critical Rare-Earth Demand

Atomic-scale magnet engineering enables manufacturers to use less Nd, Pr, Dy and Tb while maintaining high-performance magnet output.



Critical Materials

- **Nd** Neodymium
- **Pr** Praseodymium
- **Dy** Dysprosium
- **Tb** Terbium

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80-90%

Potential reduction in critical rare-earth dependence

More output from the same supply

Forge Nano extends scarce material across more motors, generators and defense systems.

Less chokepoint exposure

Lower rare-earth intensity reduces dependence on constrained foreign processing.

Faster path to resilience

Forge Nano complements new U.S. mining, refining and magnet production by reducing the material required per system.

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Guidance

Phase 1 (Now): Semiconductor & Battery

Expanding capacity & developing new capabilities

Semi Net Sales + Grant Income[1] Assumptions

- Projections based on current orders, expressions of intent, and sales pipeline
- We currently have the production capacity needed to meet our assumptions for 2027

Battery Net Sales + Grant Income[1] Assumptions

- Forge Nano battery sales prior to Morrisville plant coming online enabled by:
  - >$100M existing capacity available through five qualified third-party manufacturers
  - Distribution agreement with Samsung SDI

Net Sales + Grant Income ($M)	2025A	2026P	2027P
Equipment	$5.7	$15.2	$45.2
Battery Cells	1.0	18.9	25.0
Other	7.8	5.9	5.9
Total	**$14.5**	**$40.1**	**$76.1**

(1) These projections were prepared in connection with the business combination, and the information in such projections was prepared on a reasonable basis and reflected the best estimates and judgments available to our management at the time. For more information regarding these projections, please see pages 137 to 140 of the Registration Statement on Form S-4 filed with the SEC on September 15, 2026. Amounts include Grant Income of $6.4 million for 2025A, $2.5 million for 2026P and $1.5 million for 2027P.

Phase 2: Scaling U.S. Battery & Semi Tool Opportunities

Expanding capacity & developing new capabilities

Semi Revenue Assumptions

- Semiconductor pipeline from end-2025 into 2026 is greater than $60m
- Equipment revenue / tool is $1.5M. Multiple chambers increase price & should be ordered more frequently.
- $75m investment required (capex and working cap) to meet higher scenarios, which includes:
  - Cleanrooms in new and expanded facilities
  - Working capital - Service team expansion
  - Continued development of 300mm tool to expansion into logic and memory

Semiconductor Scenarios	Base	Med	High
Tools per Year (Units)	40	106	225
Bays Required (Units)	10	25	50
Pricing $000	$1,500	$1,750	$1,850
Annual Revenue Potential ($M)	**$60.0**	**$185.9**	**$416.3**

Expanding Capacity & Sales With 3 GWh/Year Plant

Battery Revenue Assumptions

- Forge Nano's Forge Battery project has 21 GWh in LOIs; sample cells produced with partners support future contracted demand as the facility becomes operational.
- The base price scenario is projected to generate enough revenue to cover project financing before 2030 and yield significant cash flows, including producer credits to 2031.
- Better pricing scenarios from existing LOIs average $175/KWh, with quotes over $250/KWh from aerospace and defense contractors.
- Morrisville plant construction underway with groundbreaking event on August 19, 2026.

Morrisville Scenarios	Base	Med	High
Price / KWh	$150	$175	$250
Price / Cell	$2.78	$3.24	$4.63
Cells at OEE Target (M Units)	144	144	144
Annual Revenue Potential ($M)	**$399.2**	**$465.7**	**$665.3**

(1) These estimates were prepared in connection with the business combination, and the information in such projections was prepared on a reasonable basis and reflected the best estimates and judgments available to our management at the time. For more information regarding these projections, please see pages 137 to 140 of the Registration Statement on Form S-4 filed with the SEC on September 15, 2026.

FORGE
NANO
Forging the Future
of Manufacturing
Automated
Smarter
Connected
Circular
Atomically Precise

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Thank You.

Now taking questions...