FORGE NANO

# Resilient Defense & Digital Infrastructure:

The Atomic-Scale Platform Powering Next-Generation Energy, Computing and Advanced Industrial Systems

Forge Nano Inc. Investor Presentation | April 2026

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In connection with the proposed business combination (the “Business Combination”), the Company and Archimedes Tech SPAC Partners II Co. (“ATII”) intend to jointly prepare, and ATII will file, a registration statement on Form S-4 (as amended or supplemented from time to time, and including the proxy statement/prospectus contained therein, the “Registration Statement”). The Registration Statement has not yet been filed with the Securities and Exchange Commission (the “SEC”), and the SEC has not declared the Registration Statement effective. Subject to the SEC declaring the Registration Statement effective, the proxy statement/prospectus will thereafter be sent to all ATII shareholders for purposes of voting in a meeting of shareholders to approve the Business Combination and related matters. Before making any voting decision, ATII shareholders are urged to read the Registration Statement, when available, and all other relevant documents filed or to be filed with the SEC in connection with the proposed Business Combination as they become available, because they will contain important information about the proposed Business Combination and the parties to the proposed Business Combination. Investors and other interested persons will be able to obtain free copies of the Registration Statement, its exhibits, and any other relevant documents filed or to be filed with the SEC by ATII and the Company through the website maintained by the SEC at www.sec.gov.

The Company, ATII and certain of their respective directors, executive officers and other members of management may, under SEC rules, be deemed to be participants in the solicitation of proxies from ATII's shareholders in connection with the proposed Business Combination. Information regarding the ATII's directors and executive officers and their ownership of ATII's common shares is set forth in ATII's Annual Report on Form 10-K filed with the SEC on March 31, 2025. Other information regarding the interests of the participants in the proxy solicitation will be included in the Registration Statement and the proxy statement/prospectus contained therein when it becomes available.

Not an Offer This presentation and any oral statements made in connection therewith do not constitute an offer to sell or the solicitation of an offer to buy any securities, nor shall there be any sale of any securities in any state or jurisdiction, domestic or foreign, in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction. Such an offer or solicitation can only be made by way of an effective registration statement or applicable exemption from registration in accordance with the securities laws. Certain information included herein describes or assumes the expected terms that will be included in the agreements to be entered into by the parties to the Business Combination. Such agreements are under negotiation and subject to change. The consummation of the Business Combination would be also subject to other various risks and contingencies, including customary closing conditions. There can be no assurance that the Business Combination will be consummated with the terms described herein or otherwise. As such, the subject matter of these materials is evolving and is subject to further change by parties in their absolute discretion.

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POWERED BY FORGE NANO ATOMIC ARMOR

# Rebuilding Critical Infrastructure From The Atom Up

Forge Nano is a vertically integrated advanced manufacturing platform - combining patented nano-coating technology and U.S. based cell production to power and protect the systems the world depends on.

# Business Combination Agreement (BCA) Summary

## Business Combination Structure

**Forge Nano, Inc.**, a leading U.S.-based semiconductor equipment and advanced materials platform pioneering Atomic Layer Deposition (ALD) technology for AI-era chip manufacturing and defense battery applications, intends to complete a business combination with **Archimedes Tech SPAC Partners II Co.** ("Archimedes II", Nasdaq: ATII)

Expected Close: Q3 2026

Subject to satisfaction of customary closing conditions

## Capital Structure

$317M net cash at closing

Funded by Archimedes II trust + anticipated PIPE proceeds[1]

$100M PIPE @ $1.2B Pre-Money

Common equity PIPE — in addition to trust proceeds

Net proceeds to expand production capacity across semiconductor tools and battery cells, and new verticals including Pharma, Data Centers and Small Modular Reactors (SMR).

## Valuation

$1,278.9M

Pro forma enterprise value²

~75.3% Forge Nano shareholder ownership[2]

**Earnout structure — up to $900M (90M shares)[3]**

1. **$15/share** or **$400M TTM Rev** (30M shares)
2. **$20/share** or **$600M TTM Rev** (30M shares)
3. **$25/share** or **$800M TTM Rev** (30M shares)

Milestones within 5 years of closing. Existing shareholders roll 100%.

(1) Assumes no redemptions, $100M PIPE raise and $25M in estimated transaction expenses. Trust value includes accrued interest as of December 31, 2025. Excluding earnout shares.
(2) Excludes 11.5M public warrants and 0.4M private warrants (strike $11.50/share). Excludes up to 90M earnout shares. Includes 23.0M ATII public shares, 120.0M Forge Nano shares, 5.8M ATII founder shares, 0.8M ATII private placement shares. No draw on Morrisville construction finance facility. Excludes warrants issued to PIPE investors
(3) Earnout share price milestones based on VWAP over any 30 day trading period.

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# Visionary Leadership Backed by Key Strategic Investors

## Key Company Highlights

- Founded in 2011
- 120 Employees
- 200+ Patents[1]
- $2B+ Pipeline | ~$84M binding term sheets[2]
- Battery Prod. & Semi Clean Room (HQ: Thornton, CO)

(1) Issued, pending, provisional, invention disclosures and in-licensed. (2) Binding take-or-pay contract in place totaling an aggregate of $84mm of revenue from 2028 to 2030. (3) All trademarks, logos, and brand names used in this document are the property of their respective owners. They are used for identification purposes only and do not imply any affiliation with or endorsement by the trademark owners.

## Management & SPAC Team

### Forge Nano

**Paul Lichty, Ph.D.**
Chief Executive Officer, Co-founder

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.

**Wyman Fang, MBA**
Chief Operating Officer

Experienced global operations executive specializing in driving 10x revenue growth within semiconductor and renewable energy sectors. Previously held notable positions at Trinasolar, TALUS and Lam Research.

**Michael Kleinberg, MBA**
Chief Financial Officer

Former CFO for North America at RS2 Software plc. Sr. Principal at CBIZ CMF, LLC, CFO at Accucode, and Solera Salon. Began career in finance at Daniels & Associates.

### Archimedes II

**Long Long**
Chief Executive Officer, Director

Former CFO of Archimedes I; Partner at SPAC Partners; Former CFO of Global SPAC and Ackrell SPAC; Former IBM Executive Program and division Financial Controller

**Eric R. Ball**
Chairman, Independent Director

Former Chairman of Archimedes I; Co-Founder & Managing Partner of Impact Venture Capital; Former CFO of C3.ai; Former Senior Finance Executive at Oracle (10+ yrs); Previously finance executive with Cisco and Flextronics

**Ben Landen**
Chief Technology Officer

Co-Founder & MD of Superposition Venture Partners. Formerly: VP of BD at Cyngn, Head of Product & BD at DeepScale (acquired by Tesla), Senior Business Manager for $100M automotive semiconductor P&L at Maxim Integrated.

## Strategic Investor Base

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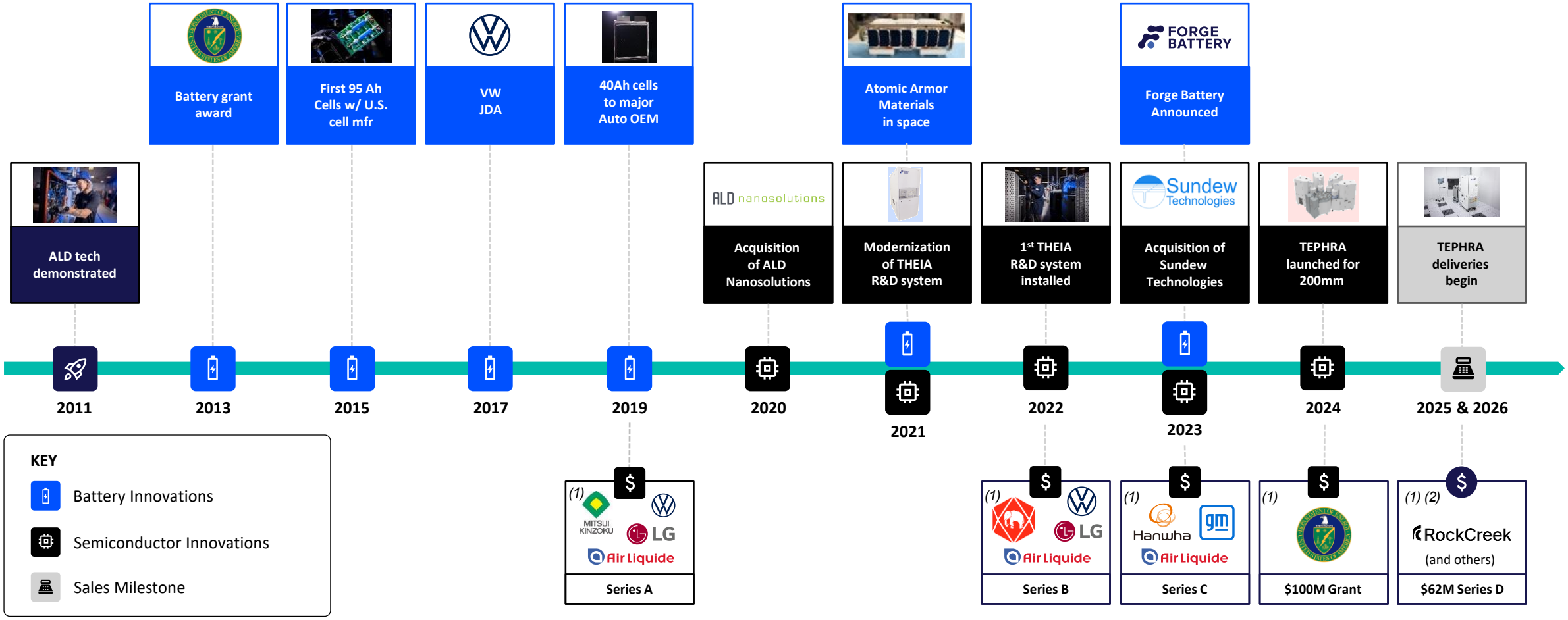
# A History of Innovation

Forge Nano initially established itself by innovating around battery applications, attracting the attention of notable strategic investors




(1) All trademarks, logos, and brand names used in this document are the property of their respective owners. They are used for identification purposes only and do not imply any affiliation with or endorsement by the trademark owners. (2) Forge Nano has executed binding agreements for an additional $20 million in Series D commitments, which are expected to fund prior to the closing of the Transaction, bringing the total Series D Financing to approximately $82 million.

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# Serving Critical Infrastructure Markets Today

Atomic Armor Technology Strengthens America's Most Critical Systems

Semiconductor ALD Focus

Atomic Armor® Battery Focus

## Cutting-Edge Chips

Customers and partners include global leaders in semiconductors, telecommunications, and energy.

## Defense & Aerospace

Customers and partners span key strategic verticals, including aerospace, defense, and technology.

## Energy & Power

Customers and partners encompass world-leading companies in energy, industrial gases, and automotive, where we drive innovation in oil, gas, chemicals, electric mobility, and sustainable solutions.

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# Significant Near-Term Growth Opportunity

Massive addressable market with growth opportunities in auxiliary powder coating markets

**~$359B** (1)(2)

Expected Addressable Global Market by 2034

Powder ALD Unlocks Functional / Industrial Coatings and Hardware-as-a-Service

## Lithium-Ion Batteries[1]

Utilizing Atomic Armor materials; expanding battery manufacturing.


## Semi ALD Equipment[2]

Atomic Armor tools to allow chips to migrate to 3D architecture.


## Material Coatings

Enabling functional industrial coatings across advanced manufacturing.

(1) Precedence Research - ALD Market Size
(2) Precedence Research - Lithium-Ion Battery Market Size

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# Three-Phased Growth Plan, Clear Milestones

| Proof of Traction | Scaling Core | Platform Arbitrage |
|---|---|---|

## Phase 1 (2025-2027)

- **Revenue-generating today** with existing capacity
- 200mm semiconductor tools to Edge AI, MEMS, Power, RF markets
- Third-party battery capacity + distribution agreement

## Phase 2

- **Capital Investment via PIPE Proceeds:**
  (1) Morrisville 3 GWh battery plant
  (2) 300mm semiconductor tool for AI/memory/logic
- Semiconductor expands into More-Moore markets (SK hynix, Micron, Samsung, Intel, TSMC…Memory / Logic)
- Battery plant operational with **Tier 1-guaranteed ramp** and **DOE** backing
- Up to 10 GWh/yr materials accessible to Forge Nano for toll coating

## Phase 3

- **New verticals:** SMRs, vaccines, rocket fuel, 3D printing (opportunistic, not underwritten)
- Potential M&A for bolt-on revenue and assets
- Platform technology extends across multiple high-value markets

# 129% (CAGR)

### Anticipated Growth Rate

Forge Nano and its subsidiary Forge Battery projected to deliver exceptional growth between 2025 and 2027.

# $650M+

### Revenue Potential

Assuming full capacity and build out.

# PLATFORM EXPANSION

Leveraging proven ALD technology across new verticals.

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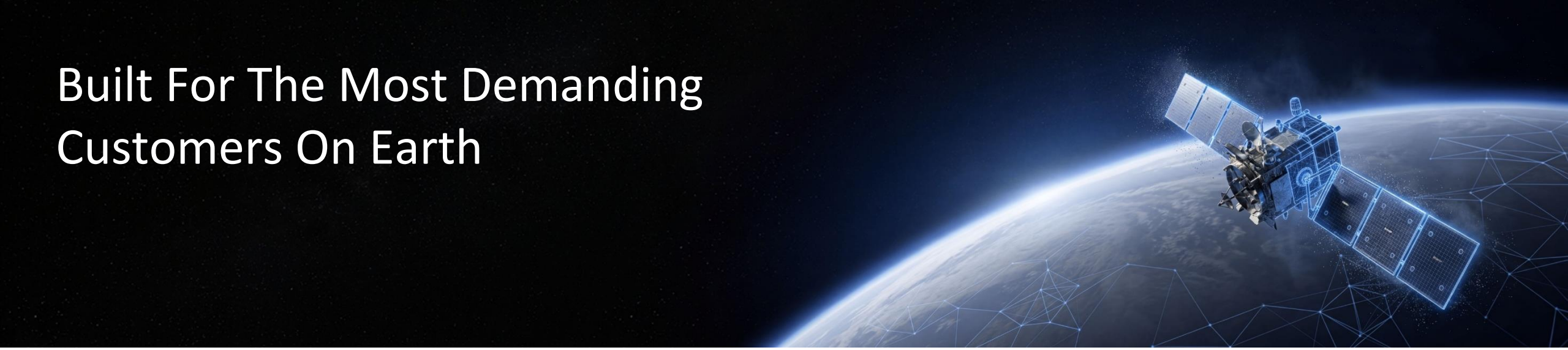
# Built For The Most Demanding Customers On Earth



Defense

## U.S. Department of War

**100%** U.S. manufactured lithium-ion battery cells for DoW

- Domestic producer of battlefield-ready cells
- Contribute to reducing foreign batteries manufactured overseas

**Strategic Gov Backing**

Space

## SpaceX/Spire Global

**Satellite** Batteries with Atomic Armor materials used in extreme thermal environments

- High-energy lithium-ion batteries using Forge Nano Atomic Armor materials in orbit via SpaceX Transporter-2 for Spire Global LEMUR-2 satellite
- Highest certification bar in the industry

**Third-Party Validated**

Semiconductor

## C2MI + Chip Fab Customers

**AI Chip** Manufacturing bottleneck can be eliminated with high-speed, defect-free ALD

- Conformality is maintained at production-scale while providing coverage on features 2 orders of magnitude greater than line-of-sight techniques
- Breakthrough removes constraint that has limited 3D semiconductor scaling

**Platform breakthrough**

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POWERED BY FORGE NANO ATOMIC ARMOR

Atomic Armor® Technology Platform

# Solving Critical Manufacturing Challenges Through Atomic-Scale Precision

# Advanced Manufacturing Challenges We Solve

**Problems**

## AI's Power / Heat Wall

- AI chips constrained by energy per compute
- Traditional 2D chip architectures hitting physical limits
- 3D stacking requires 100x better coating precision than available today

## Chip Yield Crisis

- Advanced AI nodes experiencing 20-80% yield loss
- Single voids, incomplete seed layers cause chip failures
- Cost: 1% yield improvement = $100M+ annual benefit per fab

## U.S. Battery Supply Chain Vulnerability

- China controls 80-90% of global battery supply chain
- 2028 DoD mandate: Cannot buy Chinese cells
- Current domestic options: 10-15% degradation in extreme environment

**Forge Nano Solutions**

### 1000:1 aspect ratio TSV coating (1)

enables dense 3D chip stacking

### 50x lower power & heat (2)(3)

vs. traditional 2D architectures

### Perfect conformal coating eliminates voids

and incomplete seed layers

### NDAA compliant battery products (aligned and focused on 2028 requirements) (4)

$100M DOE-backed U.S. gigafactory with predominately U.S. supply chain materials.

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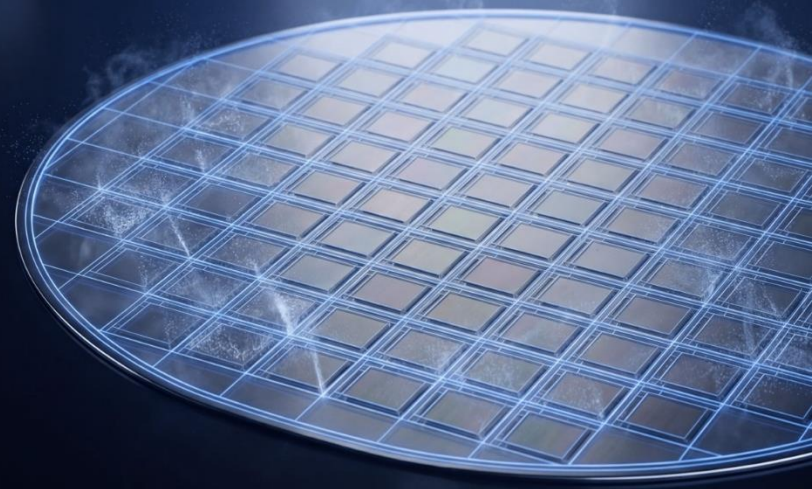
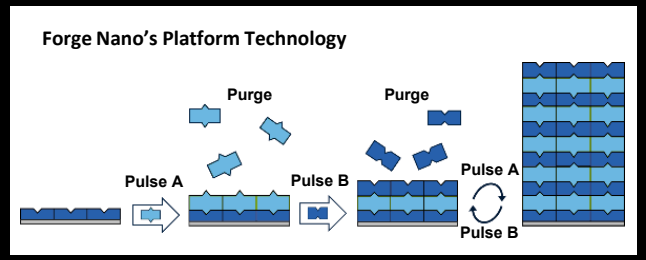
(1) GlobeNewswire (2) Stanford Energy (3) Electrical Engineering (4) GlobeNewswire

# How It Works

Forge Nano's Atomic Armor® platform technology applies ultra-thin, atomically precise coatings to the surface of materials and substrates to enhance performance, durability and efficiency at the source.



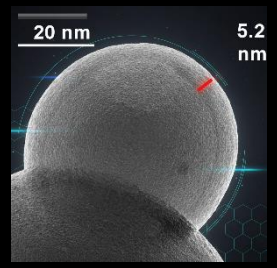
## Atom-by-Atom




**Precise Nanoengineered Surface Coating**

Applied to raw materials and electronic device architectures to strengthen their properties and improve performance

## Coats Powders




**Preventing Detrimental Surface Reactions**

By shielding materials and objects via an ultrathin, ultra uniform, and highly robust shell

## At Scale

**A World Leader in Scaling Solutions for ALD**

A precision coating technology for engineering material surfaces atom-by-atom at commercial scales

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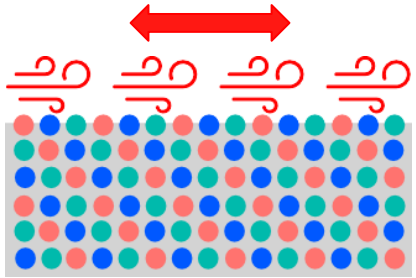
# Patented Tech Improves Materials With Speed & Scale

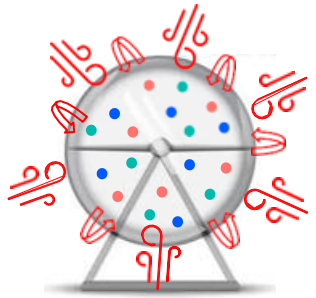
Forge Nano Advantage

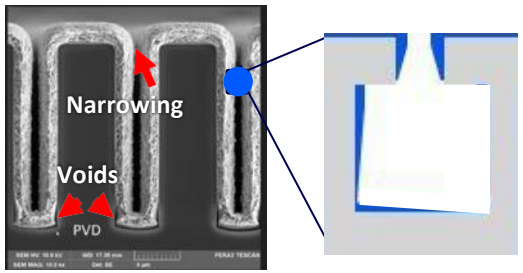
Perfect conformal coating eliminates voids that cause chip failures

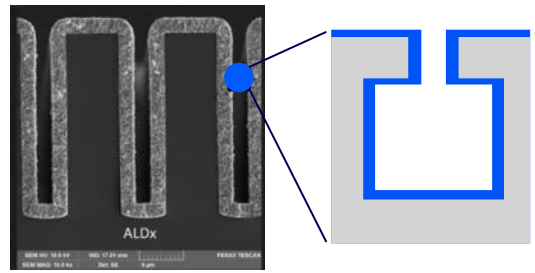
- Enables 1000:1 aspect ratio TSVs
  vs. 10:1 for Applied Materials - the key to dense 3D chip stacking
- 10x faster cycle time, 88x more efficient precursor usage
  vs. competitors

| | Traditional Coating Methods | Forge Nano Atomic Armor® |
|---|---|---|
| Material Coatings | **Directional Flow**<br>**Laminar Flow**<br>Directional flow processes require long diffusion times to coat powders | **Turbulent Flow**<br>**Turbulence is Key**<br>Turbulent flow allows for perfectly distributed precursor creating uniform thickness quickly |
| Substrate Coatings | **“Rain” Deposition**<br>**Laminar Flow**<br>Surfaces covered with “rain” may not be equally coated | **“Fog” Deposition**<br>**Fog Surrounds**<br>All exterior surfaces receive same conformal coating including overhangs |





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# AI Chip Yield Crisis: A $2B+ Opportunity

"Fog deposition" targets the weakest links in chip performance, while optimized precursor utilization can reduce costs

## Atomic-Scale Defects, Fab-Scale Costs

- Yield issues now "top priority" for advanced AI and Angstrom-class nodes[(1)]
- Single voids, incomplete seed layers, and non-uniform passivation are responsible for failures[(2)]
- Lowering ALD precursor usage directly reduces operating costs and cost-of-ownership, in some cases >40%.[(3)] In a semi fab, cutting precursor waste by ~50% could reduce ALD operating costs

## Hypothetical Yield Savings

- TSMC shipped 12.9M 300mm wafers[(5)]
  during 2024
- $18-$20k/wafer(4)

1% yield increase could result in +$2.3-2.6B

with 129k additional chips produced

## Hypothetical Operating Savings

- A fab built in 2026 has an OpEx estimated at $1-$1.3B/year(6)
- TSMC has 12-15 actively producing fabs today[(7)]
  with 129k additional chips produced

1% OpEx cost reduction could result in $120-$195M in savings

/year for TSMC

(1) Semiconductor Engineering (2) Semiconductor Engineering (3) Seoul National University.
(4) Notebook Check (5) TSMC 2024 Annual Report (6) Boston Consulting Group (7) TSMC (8) Taipei Times

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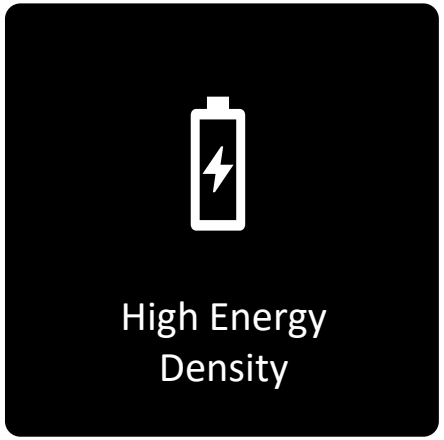
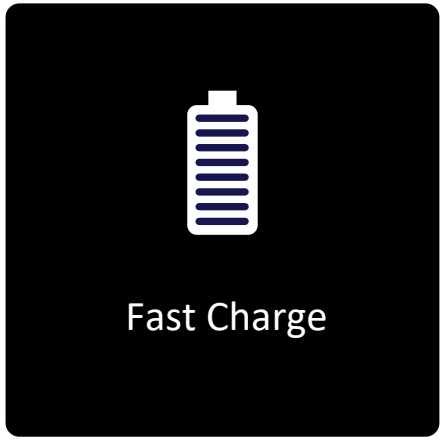
# Atomic Armor®: Cell-Level Performance Enhancement




~19% increase in capacity

Increased voltage for same size and chemistry

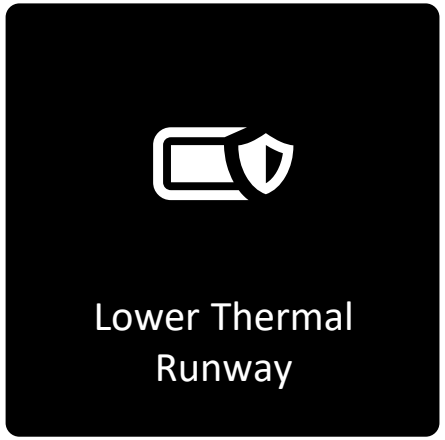



10-minute fast charge to 80% state of charge

Reduced charge time


2-10x increase in cycle life

Increased voltage for same size and chemistry




50% reduction in heat generation

More temperature tolerant and lower fire risk


20% reduction in weight

Improved performance

These cell-level improvements enable system-level advantages in defense and space applications

*(1) Individual potential performance improvements to cell, not necessarily representative of improvements across one cell product or all cell products.*

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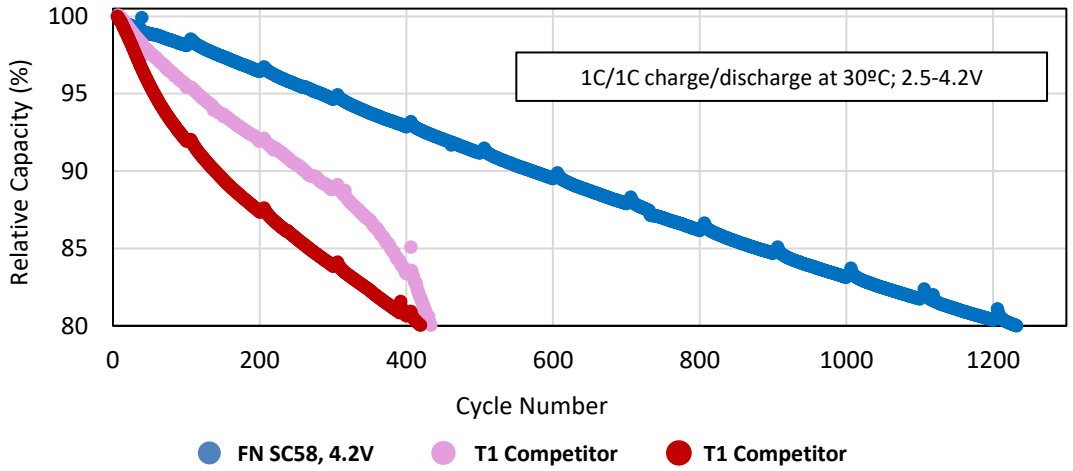
# Forge Nano Cells Outperform Foreign Tier 1 Suppliers

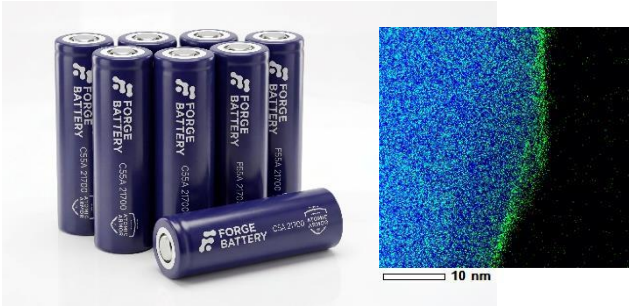
Forge Nano cells last 3x longer, have higher energy than leading competitors




| Specification | Leading Competitor | Forge Nano(1) |
|---|---|---|
| Energy Density (Wh/kg) | 204 | 303 |
| Capacity (Ah) | 4 | 5.6 |
| Weight (g) | 68 | 65 |

## ALD Differentiator

Higher Si (25% Si-C or 2x competitors) enables higher energy density, faster charging, and weight reduction




## Competitive Edge

- Higher energy density than state-of-the-art Asian-produced cells
- U.S. manufacturing & U.S.-dominant supply chain

**Certifications**

- UN38.3
- UL1642

(1) Based on internal Forge Nano testing data.

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# Atomic Armor® Battery Materials Proven in Space

Atomic Armor® materials have been powering a customer satellite since June 2021 in extreme conditions

SPACENEWS

**August 17, 2021**

Forge Nano is proud to announce the successful launch of high-energy, Lithium-ion (Li-ion) batteries into orbit aboard the SpaceX Transporter-2 rideshare mission on June 20, 2021. The Li-ion batteries, featuring Forge Nano Particle ALD (PALD) technology and Enersys Zero Volt™ technology, were integrated into Spire Global®, Inc.'s LEMUR-2 satellite.(1)


"Satellite Lithium-Ion Battery Market" is expected to be valued at about US$1.5 billion by 2033.(2)

(1) Space News (2) Market Report Analytics

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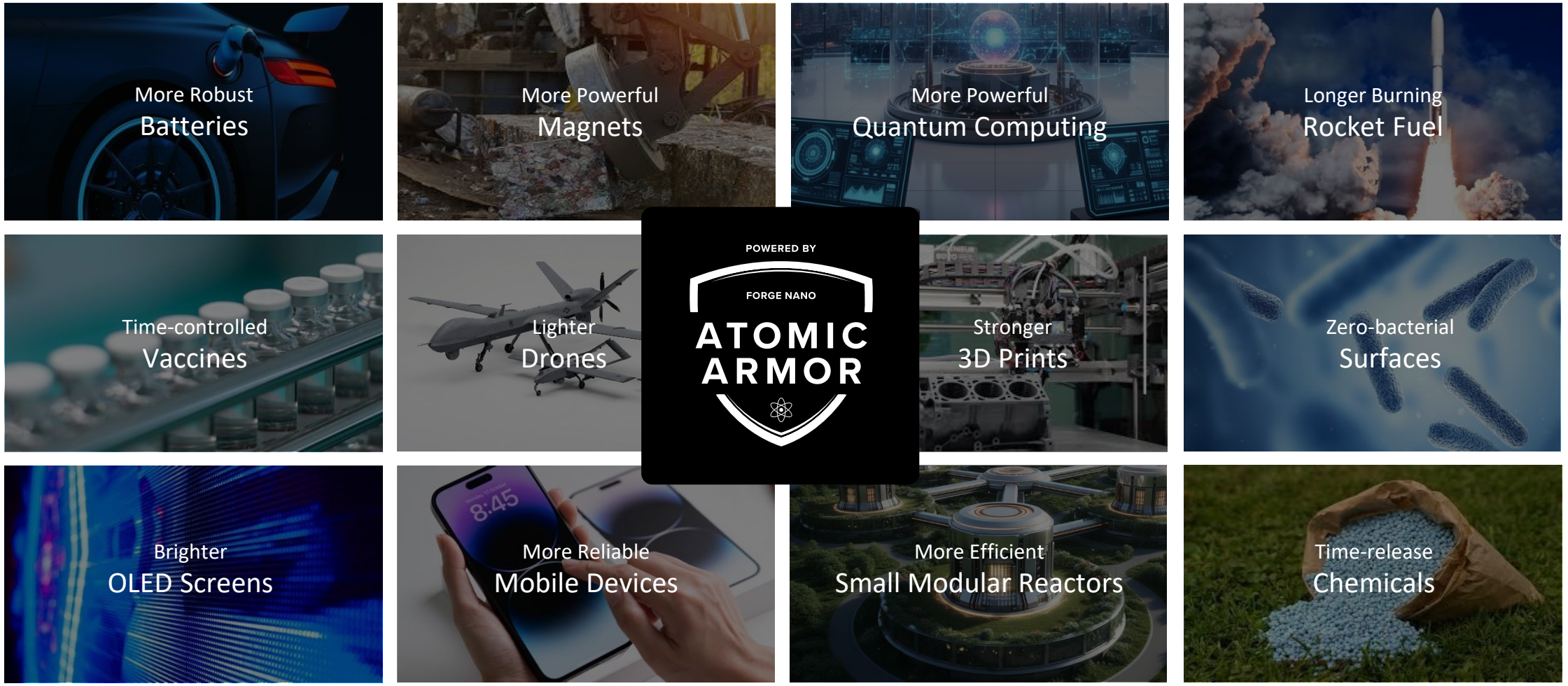
# Atomic Armor® has the Power to Revolutionize Industries

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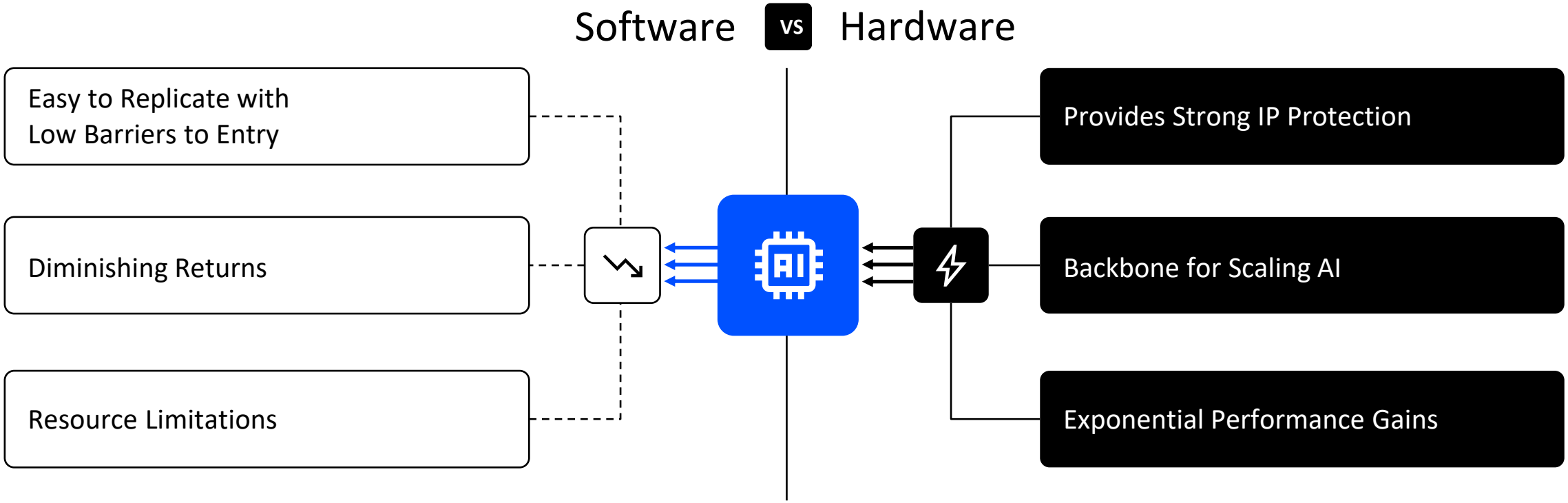
# Semiconductor Market

Solving AI’s Energy & Hardware Challenges
with Forge Nano’s Production-Ready Tools

# Hardware Enhancements Drive AI Differentiation

AI is constrained by power, heat, and memory bandwidth. Forge Nano's ALD directly addresses all three.




The future of AI depends on more efficient, powerful and scalable Hardware platforms

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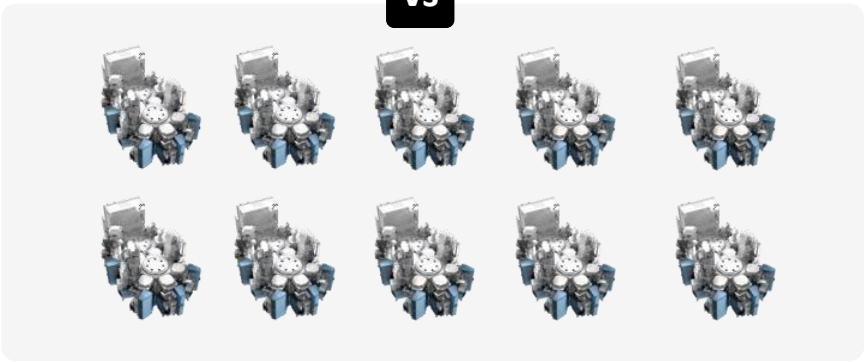
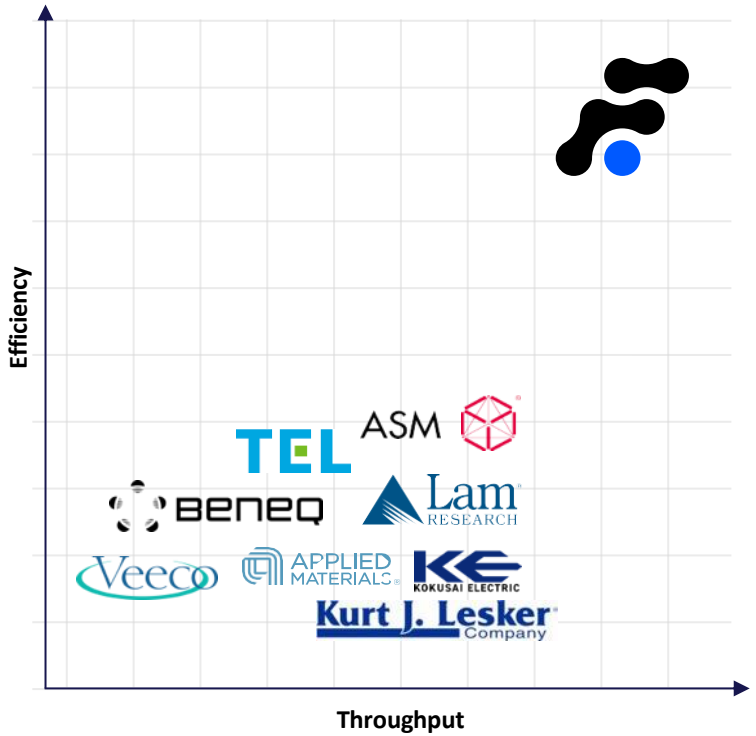
# Faster, More Efficient than Competition

Forge Nano's differentiated process is poised for adoption in the growing semiconductor wafer manufacturing sector

VS






**10x**
Faster cycle time(2)

**10x**
Higher ALD throughput(2)

**88x**
More efficient precursor usage(2)

**>100x**
Better aspect ratio than coating competitors(1)

**Faster systems result in more redundancy, smaller physical footprint, and often the elimination of a production bottleneck**

 (1) Methods for coating and filling high aspect ratio recessed features (2) Chemistry of Materials 19 (2007) 3319-3324, "Atomic Layer Deposition of HfO2 Thin Films Exploiting Novel Cyclopentadienyl Precursors at High Temperature"

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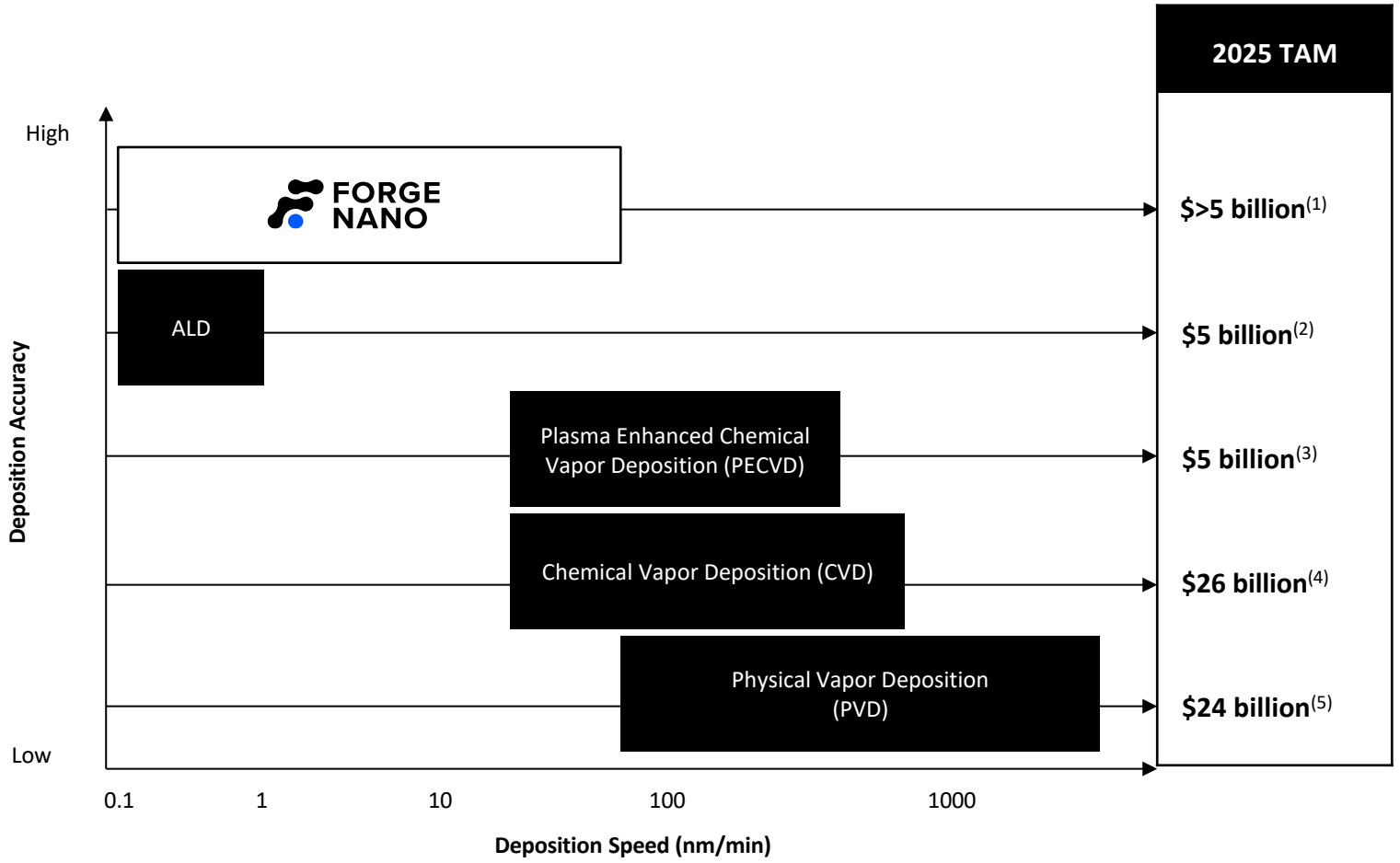
# Forge Semi Can Capture Market Share from Other Coating Tech

Forge Nano is uniquely positioned to compete on both speed and accuracy across all four coating markets

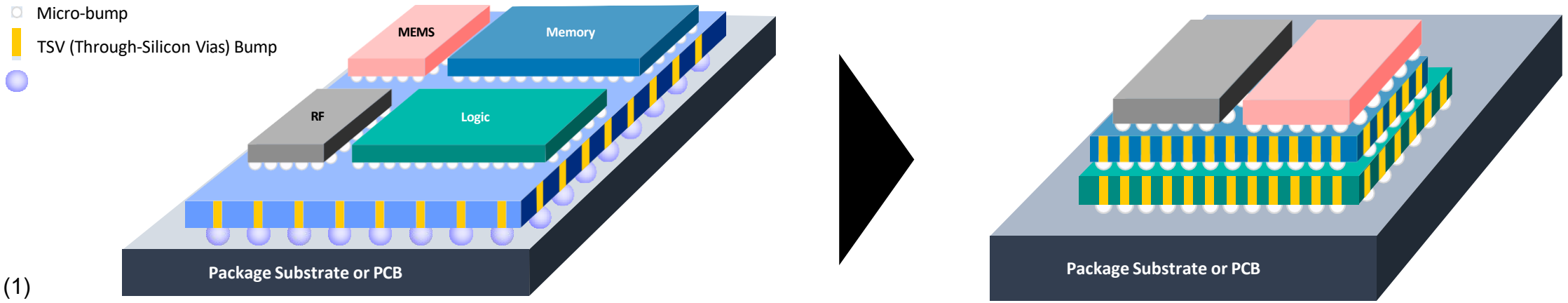



(1) Forge Nano expects to take share from PECVD and CVD resulting in a higher TAM than the overall ALD market based on deposition speed and accuracy advantages (2) Future Market Insights
(3) Valuates Reports (4) Precedence Research (5) The Business Research Company

FORGE NANO

# Forge Semi | Atomic Armor® Enables 3D Chip Stacking

3D chip stacking is essential to keep making chips smaller, faster, and more powerful




(1)

Moore's Law Concept

**40%** Improved Performance(2)

**50x** Lower Power Consumption(3)

**50x** Heat Generation Reduction(4)

ALD$^X$ coats high aspect ratios which allows for 3D chip architecture

(1) Image Source: Ultra high density logic designs using transistor-level monolithic 3D integration. (2) IEEE Spectrum (3) Stanford Energy (4) Electrical Engineering
Improvement estimates based on theoretical assumptions inclusive of improved performance, lower power consumption and heat reduction.

FORGE NANO

# Applications Leveraging ALD Today: Unlocking Potential in Edge AI and Beyond

Addressable Market

**Edge AI / More-than-Moore (Predominantly 200mm and below)**

| MEMS | Power | RF | Image Sensors | Photonics | Advanced Packaging |
|---|---|---|---|---|---|
| Environmental sensors | Devices (IGBTs, MOSFETs) | RF MEMS filters | BSI (Back-Side Illuminated) | MiniLEDs, microLEDs | Encapsulation (for all MtM devices) |
| Inertial Sensors (Accelerometers,Gyroscopes) | Power Electronics (Wide Bandgap Semiconductors) | MMICs | TSVs (Through-Silicon Vias) in 3D sensor arrays | Photonic Integrated Circuits (PICs) | TSVs, TGVs |
| BOSCH, GE, Texas Instruments | Infineon, SIEMENS, nexperia | Northrop Grumman, Broadcom, RTX | SONY Sony Semiconductor Solutions Corp., onsemi, OMNIVISION | LUMENTUM, Infinera, III-V lab | ASE, Amkor Technology, CORNING |

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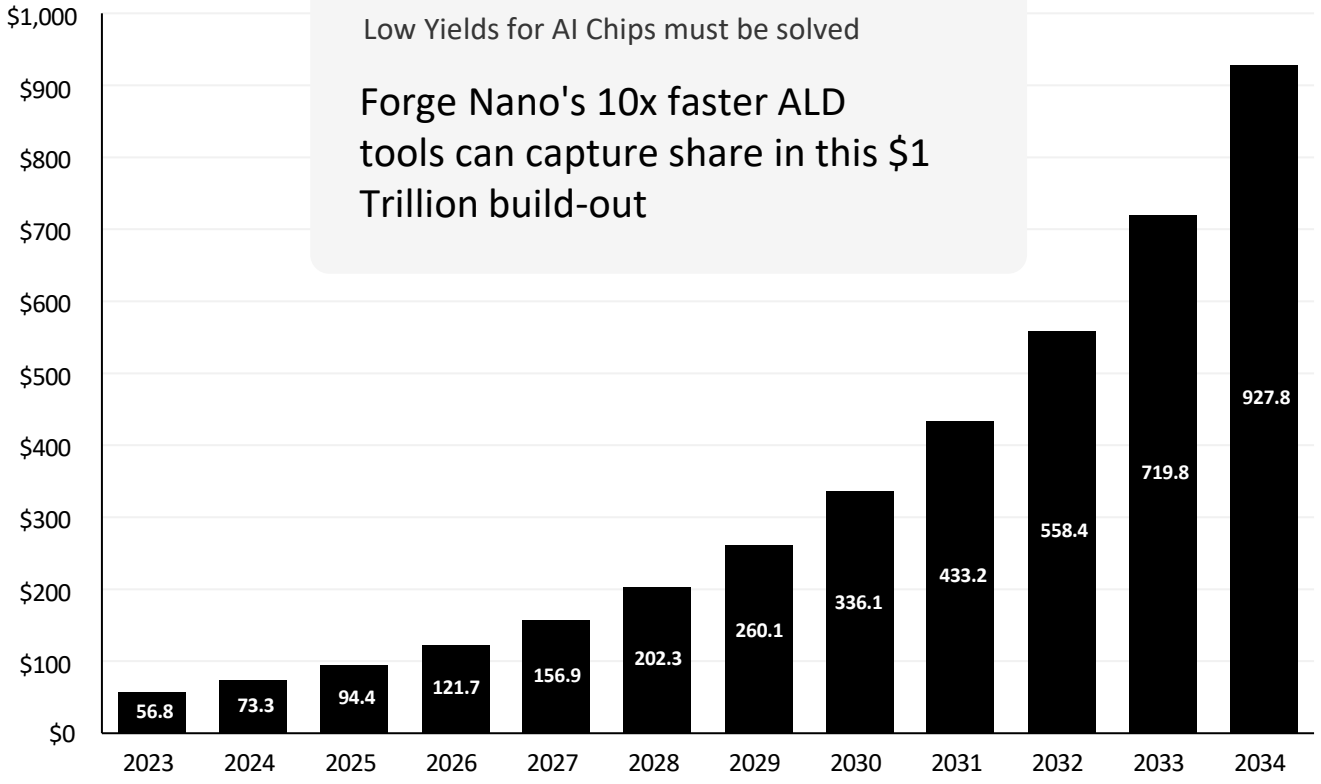
FORGE NANO

# Growing AI Chip Market Size Creates Vast Opportunity for ALD ($B)[1]




Low Yields for AI Chips must be solved

Forge Nano's 10x faster ALD tools can capture share in this $1 Trillion build-out

## $1T in New Fabs. 20% Yields

- Cutting edge AI chips have been plagued with low yields. Defect rates increase as we roll out Angstrom – Class chips.
  **AI Fabs can have yields as low as 20%[2]**
- According to study by McKinsey, semiconductor companies plan to invest
  $1 Trillion in new fabs through 2030[3]
- 3D chip architecture is needed to increase processing speeds, improve yields and lower energy usage

(1) Precedence Research. (2) Reuters. (3) McKinsey

FORGE NANO

# PIPE Proceeds Unlock More-Moore Opportunity

Developing 300mm ALD Tools to Capture Growing Memory/Logic Demand

**Future Addressable Market**

**Memory**

SK hynix

micron

SAMSUNG

**Logic**

intel

tsmc

SAMSUNG

## Why 300mm Unlocks Exponential Growth

- **Market size step-change:** AI/memory/logic markets are 50x larger than current 200mm markets
- **Validated technology path:** Existing prototype demonstrates commercial viability; Samsung partnership de-risks ramp
- **Customer pull:** SK hynix, Micron, Samsung, Intel, and TSMC all fabricate on 300mm wafers, where yield and performance improvements translate to billions in annual value per fab
- **First-mover advantage:** 10x faster cycle time and 88x precursor efficiency give Forge Nano structural cost advantage in capturing share from incumbent coating technologies

PIPE proceeds fund 300mm tool development for AI-era logic and memory fabrication, expanding Forge Nano into the largest and most valuable segment of semiconductor manufacturing

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# U.S. Defense Battery Manufacturing

De-risked by design:
$100M DOE grant and a 2028 legislative mandate
creating a captive $12B market

# Solving National Security's Battery Crisis

Forge Nano brings a sustainable competitive advantage to U.S. high tech manufacturing

| | |
|---|---|
| Strategic imperative | Starting 2028, U.S. DoW cannot purchase Chinese cells [1] |
| Forge Nano tech validation | Spire LEMUR-2 satellite running off Forge Nano battery materials [2] |
| Federal funding | **$100M DOE grant recipient** for lithium-ion gigafactory under Bipartisan Infrastructure Law [3] |
| Strategic partnership | Operability backed by Korean Tier-1 battery manufacturer |
| Near-term visibility | $2B+ Pipeline & ~$84mm binding term sheets. With customers urgently seeking compliant U.S. supply chain |

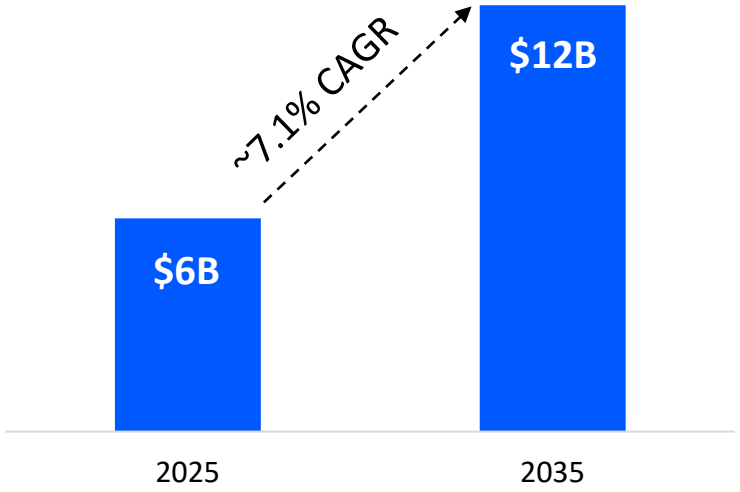
(1) BAAT Coaltion (2) Space News (3) GlobeNewswire

FORGE NANO

# Forge Battery | Market Strategy

## Focus on Government and Defense Applications along with Datacenters

### Military-Grade Lithium-Ion Battery Market[1]



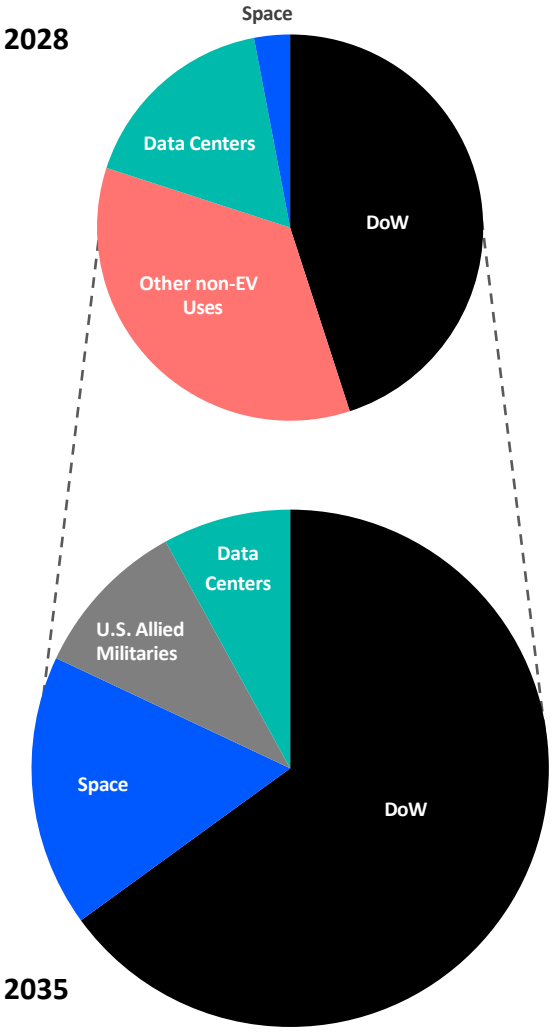

Estimated 21700 battery cell market demand can easily absorb planned 3.0 GWh Forge Battery supply[3]

Mission critical batteries for U.S. DoW must be U.S. sourced[2]

Golden Dome provides tailwind in the satellite space[4]

- Forge intends to continuously seek high-grade plant offtake in order to be paid for the superior performance of our cells
- Starting in 2028, U.S. Department of War can no longer buy Chinese cells[2]
- Superior performance is mission critical in space
- Forge will avoid EV and Grid Storage markets for direct battery sales. Those will be addressed by toll-coating

Estimated Plant Offtake by Segment[5]




(1) Wise Guy Reports (2) Text of House Amendment to S. 1071 (3) Market Growth Reports (4) Aviation Week (5) The graph presented does not include numerical figures.

FORGE NANO

# Forge Battery | $100mm Grant Funding from DOE

- Received through the **Bipartisan Infrastructure Law** as an effort to strengthen the U.S. battery supply chain
- **Cost sharing** by the DOE for all funds put directly towards **gigafactory construction**
- **$100M** in non-dilutive funds

**September 20, 2024**

## Forge Battery Selected for $100M Award

Negotiation with U.S. Department of Energy to Expand Production Capacity of North Carolina Lithium-Ion Battery Gigafactory(1)

## Illustrative Timeline

- **Sept 2024**: Forge Battery selected for $100M award negotiation with U.S. DOE
- **Jan 2025**: Grant terms and criteria finalized
- **Feb 2025**: Funding matching process begins
- **July 2025**: Payments initiated

(1) Forge Battery Completes Contract Negotiation to Secure $100M from U.S. Department of Energy for North Carolina Lithium-Ion Battery Gigafactory

FORGE NANO

# Forge Battery | Partner-Guided U.S. Battery Manufacturing

Atomic Armor® - coated cells produced in the U.S.

**Partnered with a leading Tier 1 Li-ion battery manufacturer**
$20M committed investment in Forge Nano by Tier 1 partner

- Plant expected to be fully operational in 2028 with operational guarantees from strategic partner
- Decades of valuable battery manufacturing experience to reduce start-up risk
- Contract manufacturing partner's batteries and manufacturing internally-designed batteries

Capex Budget Estimate

$300M - $330M | $100M DOE Grant secured

Cylindrical cell production capacity

3.0 GWh/year


FORGE NANO

# Forge Nano Battery Cell Overview

- U.S. manufacturing & U.S.-dominant supply chain
- High Energy Density
- Fast Charge
- Longer Cycle Life
- Lower Thermal Runway
- Lightweight and Long Range


SPACENEWS

“Satellite Lithium-Ion Battery Market” is expected to be valued at about US$1.5 billion by 2033.”

FORGE NANO

# Scaling Forge Nano’s Market Opportunity

From Commercial Execution To Multi-Market Expansion

# Phase 1 (Now): Semiconductor & Battery

Expanding Capacity & Developing New Capabilities

## Semi Revenue Assumptions

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

## Battery Revenue 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 major South Korean battery manufacturer
- “Other” revenues feature coating services, which are critical for Forge Nano’s future development opportunities

| Adjusted Revenues ($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** |

FORGE NANO

# 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:
  - Clean rooms in new and expanded facilities
  - Working capital - Service team expansion
  - 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 before2030 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.
- Construction of the Morrisville plant is set to begin in H1-2026
- Project development with partner equipment and expertise is expected to take 18-24 months.

| 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** |

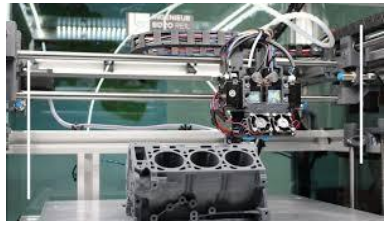
FORGE NANO

# Phase 3: Enter New ALD Verticals and Explore M&A

More Powerful
Quantum Computing

Longer Burning
Rocket Fuel

Time-controlled
Vaccines



Stronger
3D Prints

Brighter
OLED Screens

More Efficient
Small Modular Reactors

## Strategic Growth Initiatives

- Stand up new ALD applications among group of verticals for which Forge Nano already has developed solutions
- Targets identified for acquisition: Bolt-on revenues and assets

FORGE NANO

# Transaction & Investment Opportunity

# Transaction Details

## Transaction Highlights

- Forge Nano is valued at a $1,200 million pre-money equity value
- Forge Nano shareholders may receive up to $900 million (90 million shares) in an earnout structure if the company achieves the following milestones within 5 years of business combination closing (30 million shares for each milestone achieved): (i) $15.00/share[1] or $400M TTM Revenue; (ii) $20.00/share [1] or $600M TTM Revenue; and (iii) $25.00/share [1] or $800M TTM Revenue
- In addition to the trust proceeds, the transaction will raise $100 million in a PIPE which may be satisfied through newly issued shares at $10.00/share or via purchase and non-redemption of ATII shares in the open market
- Existing Forge Nano shareholders will roll 100% of their equity interest, retaining at least ~75% of ownership in the pro forma business

## Sources

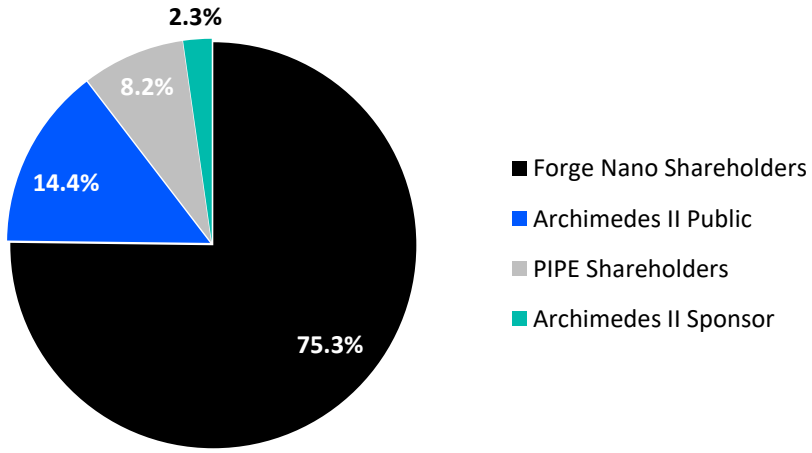
| | |
|---|---|
| Forge Nano Equity Rollover | 1,200 |
| Archimedes II Cash in Trust[2] | $242 |
| PIPE Proceeds[3] | $100 |
| **Total Sources** | **$1,542** |

## Uses

| | |
|---|---|
| Forge Nano Equity Rollover | 1,200 |
| Cash to Balance Sheet | $317 |
| Estimated Transaction Costs and Related Fees | $25 |
| **Total Uses** | **$1,542** |

## Illustrative Ownership at Close[4]

| | PF Shares | Ownership |
|---|---|---|
| Forge Nano Rollover Equity | 120.0 | 75.3% |
| Archimedes II Public | 23.0 | 14.4% |
| PIPE Investor Shares[5] | 13.0 | 8.2% |
| Archimedes II Sponsor | 3.6 | 2.3% |
| **Pro Forma Total Shares Outstanding** | **159.6** | **100.0%** |
| Share Price | | $10.00 |
| **Total Equity Value** | | **$1,595.9** |
| Less: Pro Forma Net Cash | | $317 |
| **Pro Forma Enterprise Value** | | **$1,278.9** |

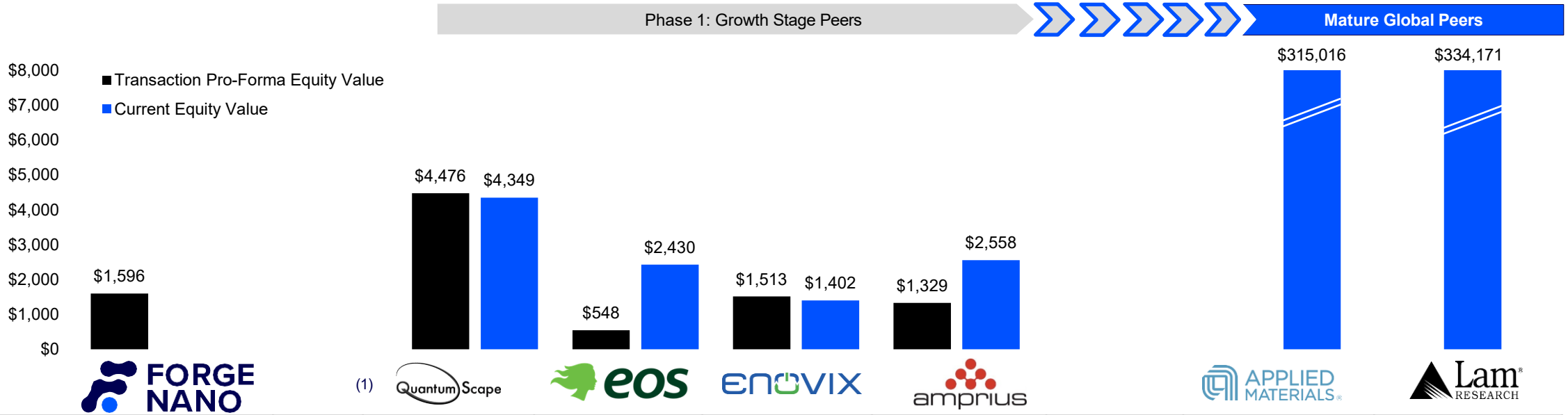



Note: Figures shown in millions, except per share amounts. All charts and tables exclude 11.5M public warrants and 0.42M private warrants, with a strike price of $11.50 per common share and excludes 15.0M PIPE warrants at closing and an aggregate of up to 15M additional PIPE warrants that may be issued after closing (see footnote 5 below) with a strike price of $10.00 per common share. (1) Earnout share price milestones are based on the 20-trading day VWAP with in any consecutive 30 trading day period. (2) Assumes no redemptions. Trust value includes accrued interest as of December 31, 2025. (3) Assumes PIPE commitment is satisfied by newly issued shares at $10.00/share. (4) Includes 23.0M ATII public shares, 120.0M Forge Nano shares, 5.75M founder shares, 0.84M ATII private placement shares and 10.0M PIPE shares. Assumes no draw on Morrisville construction finance facility. Excludes the impact of 90.0M earnout shares released ratably at the following milestones: (i) $15.00/share or $400M TTM Revenue; (ii) $20.00/share or $600M TTM Revenue; and (iii) $25.00/share or $800M TTM Revenue. (5) At closing, PIPE Investor will own 10.0M shares from SPAC (PIPE investor's obligations may be offset via purchase and non-redemption of ATII in the open market), 3.0M founder shares transferred from Sponsor and 15.0M PIPE warrants. PIPE Investor may receive 5.0M additional warrants if 5.0M shares are held for two years post-closing. If the 20-trading day VWAP 21 days after the six-month anniversary of the closing is less than $10.00/share, the PIPE Investor may receive up to an additional 10.0 million warrants and the exercise price for PIPE warrants will be reset to the greater of (i) such VWAP or (ii) $5.00 per common share or $7.28 per common share, depending on certain conditions.

FORGE NANO

# Valuation Benchmarking & Key Business Metrics

## Equity Market Value of Select Battery & Semiconductor Technology Peers ($mm)[2]




| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Technologies** | • Powder coating for semiconductor capital equipment and lithium-ion batteries | | • Lithium-metal solid state batteries | • Aqueos zinc batteries | • 3D Silicon Lithium-Ion batteries | • Silicon nanowire anode<br>• High density lithium-ion cells | • Semiconductor equipment<br>• Display technologies | • Etch technologies<br>• Deposition<br>• Wafer cleaning |
| **Target Markets** | • Government & Defense<br>• Datacenters & Chip fabricators<br>• Electric utilities | | • Consumer & Commercial electric vehicles | • Power generation co-location<br>• Electric utilities<br>• C&I Behind-the-meter | • Consumer & Commercial electric vehicles<br>• Mobile computing | • UAV/aviation<br>• Defense applications<br>• E-mobility | • Semiconductor manufacturers<br>• Display manufacturers | • Semiconductor manufacturers<br>• Advanced logic and memory makers |
| **Patents** | 200+ | | 200+ | 15 | 89 | 80+ | 20,000+ | 20,000+ |



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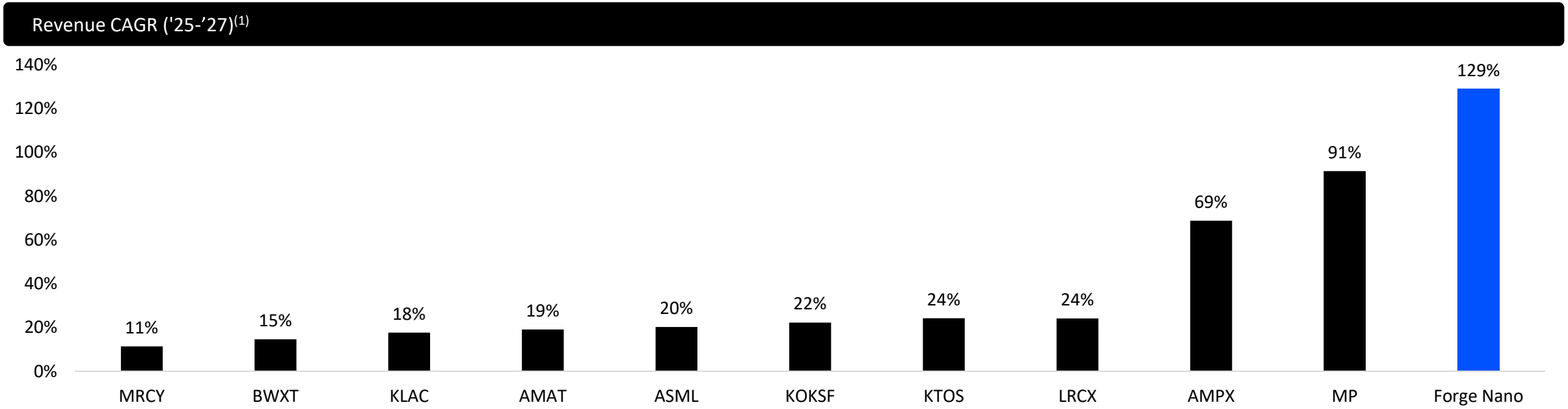
Data: SEC filings and CapIQ as of April 17, 2026. Patent count information based on investor presentations at time of deal announcement or via justia.com. (2) At time of transaction and as of April 17, 2026

# Advanced Manufacturing at Scale

Leading Edge Growth Across Advanced Manufacturing & Critical Industries



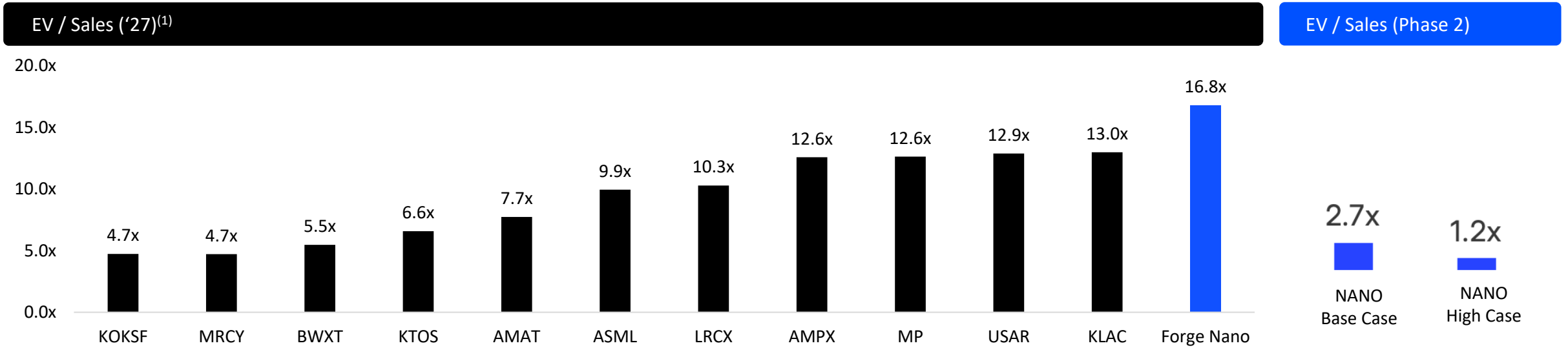

This peer group includes advanced manufacturing, semiconductor equipment, defense, and critical minerals, which are the sectors most closely aligned with Forge Nano's business. Each company shown is a well covered public comparable, including Applied Materials, ASML, Lam Research, Kratos, and BWX Technologies. Their growth rates range from 11% to 24%. Amprius's 69% CAGR is elevated relative to peers given the company is in early commercial-stage production in 2025, with growth rates expected to normalize as manufacturing scales. MP Materials, which just secured a transformational DoW partnership and a supply agreement, is at 91%. Forge Nano is at 129%. We're not incrementally faster, we're in a different category entirely.

(1) Public company fillings and Capital IQ as of April 16, 2026.

FORGE NANO

# Leading Edge Growth Across Advanced Manufacturing & Critical Industries

Leading Edge Growth Across Advanced Manufacturing & Critical Industries

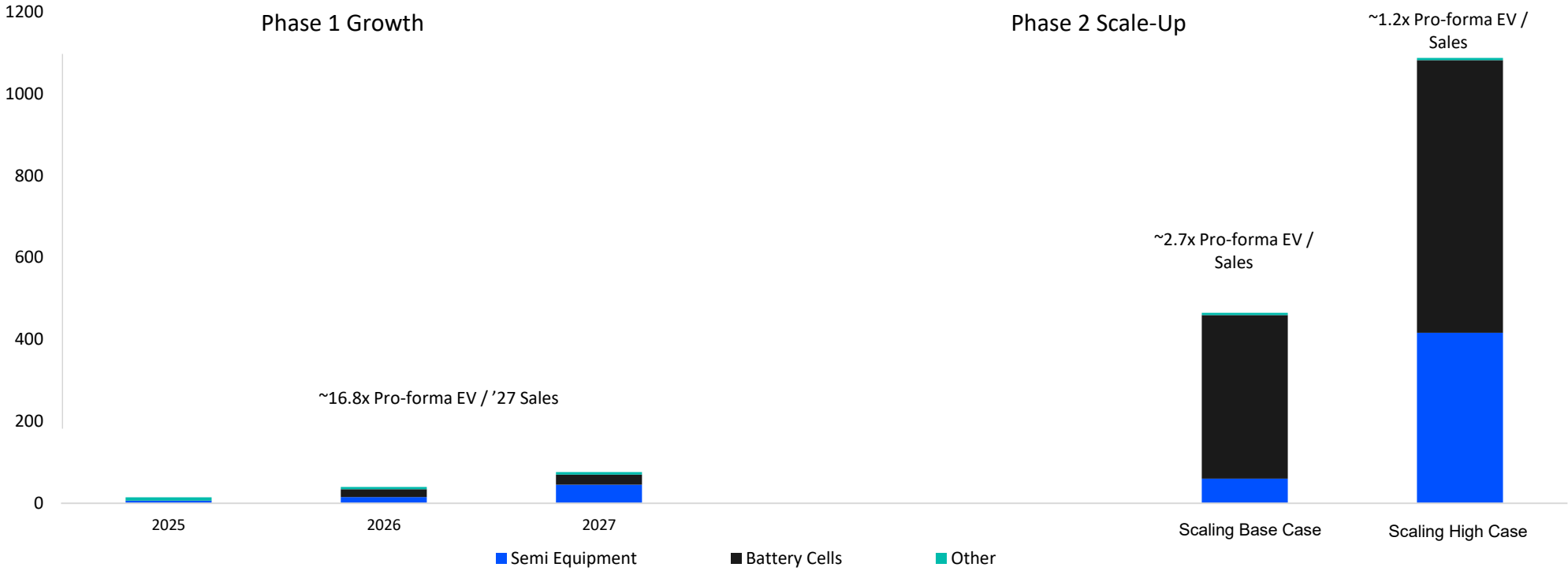



The peer group trades between 4x and 13x on 2027 sales, a wide band covering defense primes, semiconductor capital equipment, and critical minerals. Forge Nano is at 16.8x, a premium to the group. Forge Nano has $76 million in visible revenue, a 129% CAGR, and requires no additional capital to get there, and we're priced below a pre-revenue peer. Now look at the two bars on the right. That's Forge Nano at Phase 2 scale, 2.7x on the Base Case, 1.2x on the High Case. Same company, same valuation. The multiple doesn't compress because the business slows down. It compresses because the revenue catches the vision.

(1) Public company fillings and Capital IQ as of April 16, 2026.

FORGE NANO

# Growth Path




**Phase 1 - Locked In:** 129% Revenue CAGR. $2B+ Pipeline & ~$84M binding term sheets.

**Phase 2 - De-Risked:** 300mm transition de-risked by completed R&D and commercialized 200mm technology. 10x throughput advantage vs AMAT and Lam creates a structural cost advantage, not just a performance story.

**Phase 2 - Gigafactory:** Fully Funded $100M DoE grant secured. Strategic tier 1 guaranteed ramp de-risks battery offtake. 2028 DoW domestic battery mandate creates $12B captive market (see slide 32 "Forge Battery | Market Strategy")

**The Result:** 16.8x EV/Sales today. Validated path to 2.7x base case and 1.2x high case.

1. Based on Phase 1 & 2 base case and high case scenarios outlined on slide 37 & 38.

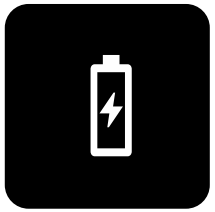
FORGE NANO

# Forge Nano: A Materials Science Revolution

Forge Nano's Atomic Armor® accelerates manufacturing innovation, transforms product performance, and achieves a more sustainable future

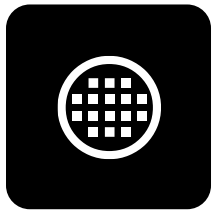
## Revolutionary Powder ALD

One of the World's Leading Powder ALD Technologies: Enhancing Materials for a Better Future



## High-Performance Batteries

Unlocking Higher Energy Density, Accelerated Charging, Extended Cycle Life, and Reduced Thermal Runaway

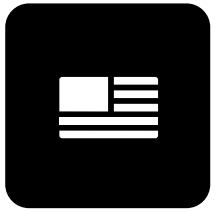


## Fast Semi Coating

**10x cycle time**
Potential for higher AI Chip yields

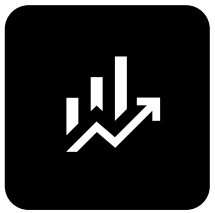
## Robust IP Portfolio

**200+ Patents**(1)



## U.S.-Only Production & U.S.-Dominant Supply Chain

Reshoring Manufacturing



## Large & Growing Addressable Market

**$359B+ TAM** by 2034(2)

(1) Issued, pending, provisional, invention disclosures and in-licensed.
(2) By 2034, lithium-ion battery market to reach $349B and semi ALD equipment to reach $9.8B.

FORGE NANO

FORGE NANO

# The Atomic-Scale Platform Powering Next-Generation Energy, Computing and Advanced Industrial Systems

Forge Nano Inc. Investor Presentation | April 2026