

June 2024

Innovating the future of metal manufacturing

Rapid Plasma Deposition[®] - Additive manufacturing technology replacing legacy structural forgings



Forging then Labor intensive **Forging now** Capital and energy intensive The future of Forging Rapid Plasma Deposition[®] (RPD[®])

Reduced Labor, Capital and Energy

Norsk Titanium Highlights

Disruptive 3D Printing Technology	 Rapid Plasma Deposition[®] (RPD[®]) Technology: Additive Manufacturing of Parts 40% cheaper, 75% less energy and raw materials, takes 90% less time than legacy A sustainable manufacturing solution
Focused on large scale manufacturing using RPD [®] Technology	 Only additive manufacturer in production with Boeing, Airbus, and defense OEMs RPD[®] directly replaces titanium parts on current commercial aircrafts Industrial customers using Norsk Titanium's publicly released specifications
Strong Collateral Value with Clear Path to Profitability	 35 RPD[®] machines with 700 tons of annual print capacity Capacity can generate \$300M of annual revenues RPD[®] process and software protected by a total of 191 patents
Strong Sponsorship	 More than \$325 million invested in equity \$125 million Production Facility provided by New York State (leased for \$1 per year) Strong shareholder support - Scatec Innovation AS and Aljomaih Group





RPD[®] Technology is Next Generation Metal Manufacturing

A low capital cost, clean-cell additive manufacturing technology

75% less energy75% less raw material90% less time



Macro factors driving transition to RPD® technology

Global events have triggered a paradigm shift in the way industries need to manufacture goods

Commodities, Labor, and Energy Inflation Creating a Need for New Methods for Manufacturing



Manufacturing of metals is the largest consumer of energy, and forging of titanium is one of the most inefficient

Advanced manufacturing systems powering a resurgence in manufacturing in local economies





70% of the world's titanium raw material comes from China and Russia

Source: Newsweek - https://www.newsweek.com/battle-ukrainestitanium-1777106



Source: Bureau of Labor Statistics, The Titanium Economy

State-of-the-art facilities with high production capacity





June 2024 - Commercial Update Major wins across all market areas



Commercial Aerospace

- Signed landmark Master Supply Agreement with Airbus
- Airbus wave 2 parts transitioning into serial production and beginning to generate revenue in Q2
- Signed direct serial production supply contract with **Boeing**

Defense

- Qualifications and production orders with US Department of Defense and DoD prime contractors
- Northrop Grumman material qualification complete and in place
- Added to General Atomics approved supplier list



Industrial / New Opportunities

- Secured long-term production orders for ASML carrier trays with Hittech
- Received third production order from Hittech - annual recurring revenue of USD 2 million from one product
- New parts in development for transitioning into production this year



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New Hittech contract demonstrates industrial capability

Ramp-up for recurring guarterly production of 45 carrier trays to Hittech Forecasted 4,500 50 KG Produced 45 4,000 Qty Produced 40 3,500 **Qty Produced** 35 3,000 30 2,500 25 2,000 20 1,500 15 1,000 10 500 5 0 0 4Q23 1Q24 4Q24 4Q25 2Q23 3Q23 2Q24 3Q24 1Q25 2Q25 3Q25 1Q26 2Q26

- Norsk Titanium is now in steady state production on the NXT carrier tray
- Producing and delivering > 4,000 kilos of material per quarter
- New contract generating annual recurring revenue of approximately USD 2.0m

Print Optimized

90 kg RPD[®] Print



KG Titanium Produced





< 10kg Finished



Entering new phase of serial production and scaling of recurring revenue from development and qualifications

- Airbus Master Supply Agreement opens for transition of Wave 2 parts in Q2
- Also transitioning more parts into serial production for Northrop Grumman and semiconductor market
- Currently **21 parts** in serial production with annual recurring revenue of approximately USD 6 million
- See ~6x increase in no. of parts in serial production and >10x increase in ARR during 2024

	YE 2022	H1'23	YE 2023	H1'24e	YE 2024e	Description
Parts in serial production	7	8	11	~30	>60	Parts in serial production for tier-1 suppliers to leading OEMs in target markets
Annual recurring revenue of parts in serial production	\$1m	\$2.5	\$4m	~\$10	\$50	Estimated total annual revenue opportunity for parts in serial production







Completed long qualification processes with major customers

Material Specification: 8-10 years to publish material specifications equivalent to structural forged titanium material

) - 12 years to complete	Ø BOEI	NG A	RBUS	Established Mate	erial Specification	hi <mark>t</mark> e	ch	NORTHROP GRUMMAN
	Machine Qualification: 6-12 months to qualify RPD [®] Machines for use in commercial aerospace and industrial							
	Boeing			Airbus	[US Defense Contractor]		Industrial	
	Approved Supplier List: 6 month audit process to become an approved supplier for major OEMs and Tier-1 Suppliers							
1(GKN	Spi Aerosy	rit stems	Leonardo	Hittech	Nort Grun	throp nman	General Atomics

rring	Part transitions to establish recurring revenue on high volume aircraft and equipment platforms					
	Business Case (3 - 6 months)	Transition to Serial				
secu	 Prove strong business case 	Part Design	Production (2 months)			
	Execute change boards	Destructive Testing & Qualification	• First part qualification			

Approvals in commercial aerospace enable us to go anywhere

Large potential market for 3D printed parts





Source: Management estimates

1) Defense Ti6-4: LMT=Lockheed Martin, BA=Boeing

2) Engines Ti6-4: GE=General Electric, RR=Rolls-Royce, CFM= CFM International, PW=Pratt & Whitney

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At inflection point for exponential growth

Multiple overlapping revenue growth curves driving the success of RPD[®] technology

Source: Consultant and management estimates

Signed Master Supply Agreement in April

RPD[®] is a direct replacement for titanium parts on current Airbus programs

- Norsk Titanium machine and process qualified to produce significant structural components
- Master Supply Agreement signed enabling recurring production buys
- Future development efforts underway
- Airbus releasing parts for serial production in waves
 - Wave 1 parts in production
 - Wave 2 parts commencing production in Q2
 - Expect follow-on parts in development this year

AIRBUS

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RPD[®] Parts Flying on Boeing Planes Since 2017

7 RPD[®] printed parts on every Boeing **787** Dreamliner:

Norsk Titanium sells parts to Boeing through tier-1 suppliers

- Received a direct purchase order for parts in serial production from Boeing
- Engaged with Boeing on funded development engagements
- Re-engage with Boeing supply chain to transition additional B787 parts to serial production

> 1 000 Addressable parts across Boeing platforms*

 75
 8787 and 8737 built monthly*
 Part opportunity per year*

\$1.5 billion annual addressable opportunity*

*Norsk Titanium estimates

RPD® Qualification for US DoD Applications

Prime contractors applying multiple approaches for transition to RPD®

Norsk Titanium is positioning as a secure source of specialty metals for national security needs – Expected to account for ~20% of 2026 revenues

- Prime defense contractors are looking for alternatives to traditional supply chains, as casting & forging lead-times have become unresponsive
 - 1. Northrop Grumman: Specification established, flight-critical parts delivered
 - 2. General Atomics: Full-scale article testing ongoing; Part demonstration and part specific qualification
 - 3. Undisclosed space application development underway
 - 4. Bechtel nickel-based superalloy development underway
- Casting & forging suppliers are also evaluating RPD[®] as a complement to their product lines
- Significant US-Norwegian reciprocal defense spending underway

Space Application

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ASML Uses RPD[®] for a Critical Production Element Transitioning all forged block procurement to RPD[®] in a response to massive demand growth

Less CNC Machinery Required and Reduced Part Cost

 In 2023 transitioned in the first carrier tray into production and supplied to Hittech for installation on ASML's assemblies

- Received follow-on order for the carrier trays
- Engaged with Hittech and ASML to transition a similar carrier tray on ASML's other products
- Significant percentage of short-term revenue driven by ASML demand

CNC: Computer numerical control machine

Reaching the revenue inflection point

- 2024 revenue target of USD 15 million
- ARR forming revenue baseline for the following year
- ARR development towards USD 50 million in 2024 represents a stepping stone towards the 2026 revenue target of USD 150 million – of which USD 120 million from parts in serial production

No. of serial parts in production and ARR from parts (\$m)

Global Titanium Challenges Can Accelerate RPD® Adoption

Qualifications completed with Airbus, Boeing and ASML - focus in 2024 on transitioning parts to serial production

- Rapidly expanding parts revenue from target markets
 - High complexity Commercial Aerospace parts as main growth driver
 - High volume parts from industrial second growth driver; short term volume driven by Hittech/ASML demand
 - Smaller volumes of larger parts from Defense industry
- Other non-recurring business models adds upside potential
 RPD[®] machine sales, IP licenses, JVs, and other being evaluated
- Contribution margins from part sales set to increase from 30% in 2024 to 50% in 2026 with increased scale
- Targeting an EBITDA margin of 30% in 2026
- More than \$400 million invested over the past 12 years

Establishing a Multi-year Backlog

Each part adopted on a platform secures multiple years of contractual revenue

2026 revenue backlog

Forecasted revenue and backlog build-up by 2026

Target	markets	Annual parts produced	Contract years	% Market penetration	
	Commercial Aerospace	20,000	5	3.0%	
<u>g</u>	Industrials	15,000	2	0.5%	
\bigcirc	Defense	3,000	5	5.0%	
Total	/ average	38,000	4	< 3%	
	Uniq RPD [®]	tion 120 n 50%			

Norsk Titanium set for take off

USD 450m invested*

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35 machines 700 tons capacity

USD 300m revenue capacity

US & Norway locations

Material specification Qualified

3 markets presence

employees

granted

115 +

* USD 325m equity plus USD 125m New York State grant