

April 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 \$300 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 |



Business Overview





RPD[®] Technology is Next Generation Metal Manufacturing

A low capital cost, clean-cell additive manufacturing technology

75% less energy75% less raw material90% less time



Norsk Titanium: Norway & United States





April 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 agreement with Boeing to supply serial production parts directly

Defense

- Qualifications and production orders with US DoD prime contractors
- Northrop Grumman material qualification complete and in place



Industrial / New Opportunities

- Secured long-term production orders for ASML carrier trays with Hittech
- New parts in development for transitioning into production this year



7

Entering new phase of serial production and scaling of revenue

Focus shifting from qualification and development to scaling of recurring revenue as more parts are transitioned into serial production

- The Airbus Master Supply Agreement opens for transition of Wave 2 parts in Q2
- Also transitioning more parts into serial production for Northrop Grumman and ASML
- 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 |

Addressable Markets





At Inflection Point for Exponential Growth

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



Source: Consultant and management estimates



Customer Engagements





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



12





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
B787 and B737 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
 - Northrop Grumman: Specification established, flight-critical parts delivered 1.
 - **General Atomics:** Full-scale article testing ongoing; Part demonstration and part 2. specific qualification
 - 3. Undisclosed space application development underway
 - **Bechtel** nickel-based superalloy development underway 4.
- Casting & forging suppliers are also evaluating RPD[®] as a complement to their product lines
- Significant US-Norwegian reciprocal defense spending underway











14 Norsk Titanium AS © 2024

An RPD[®] developed structural wing-tip rib to be integrated as structural component and manufactured to fly on a Northrop Grumman air vehicle

RPD[®] parts are approved to replace mission-critical aircraft components

Northrop Grumman and Norsk Titanium have developed a deep

collaboration to implement RPD[®] parts in critical defense systems

RPD® Active Applications in Defense

Northrop Grumman implementation of RPD[®] parts on critical subsystem

- Adoption by Northrop Grumman will result in an estimated 20-35% cost savings for parts in mission-critical systems
- Labor savings are also realized through part unification on multiple components







Approved for Public Release: NG24-0427. © 2024 Northrop Grumman Systems Corporation



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

Financial Update





Reaching the revenue inflection point

- Revenue of USD 2.2 million in 2023 (1.0)
- 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 on Established Platforms

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



Norsk Titanium set for take off



USD 400m invested*



{0}

Parts supplier

190+ patents

granted

115 +

Direct replacement



35 machines 700 tons capacity



USD 300m revenue capacity



US & Norway locations





Material specification Qualified



3 markets presence

employees



