



Aurora Labs[®]

Investor Presentation
September 2020

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VISION: Give people the freedom to build anything

MISSION: Empowering industry to revolutionise manufacturing

Market leading, industrial scale, fast 3D metal printer.



CORPORATE SNAPSHOT | ASX: A3D

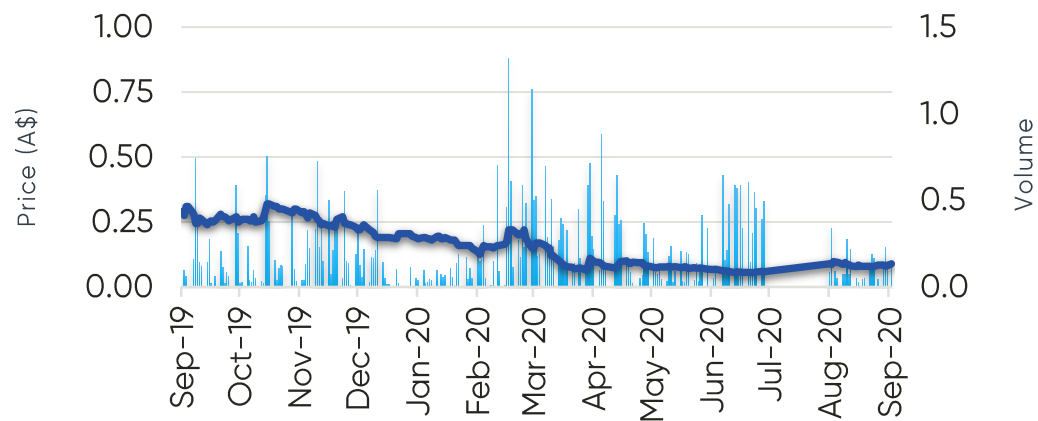
MARKET CAPITALISATION¹

Total Ordinary Shares on issue	no.	117.3 million
Share price (8 Sep 20)	A\$/share	0.125
Market Capitalisation (8 Sep 20)	A\$m	14.7
Cash (as at 30 June 20)	A\$m	1.3

TOP SHAREHOLDERS (30 JUN 2020)

Name	Shares Held	% of Shares on Issue
David Budge, Chief Technology Officer	15,946,785	13.6%
Barthen Beheer BV	13,000,000	11.08%
Top 20 Shareholders	52,113,211	44.44%

SHARE PRICE / VOLUME HISTORY (A\$; MILLIONS)



KEY PEOPLE

Grant Mooney	Chairman and Company Secretary
Peter Snowsill	Chief Executive Officer
David Budge	Chief Technology Officer
Mel Ashton	Non-Executive Director
Terry Stinson	Non-Executive Director
Ashley Zimpel	Non-Executive Director

KEY ADVANTAGES

A targeted technology pathway with a customer-centric approach led by experienced Board and delivered by a focused technical team.

1. **Technological advantage** – breakthrough additive manufacturing (AM) technology in development is expected to deliver market leading manufacturing speed and performance, leading to a reduction of the cost of printed parts and improvements in customer productivity.
2. **Proven capabilities and credentials** – recently confirmed CEO and newly formed Board with specific experience in commercialisation to deliver well-developed technology pathway plan to reach commercial readiness.
3. **Go to market strategy leveraging strategic partnerships** – targeting potential JVs and licensing opportunities to reach commercial success.
4. **Large market for AM**– rapidly growing AM market worth \$12b. A3D is currently targeting heat exchangers, automotive parts and oil & gas / mining equipment.

A3D expects successfully concluding the technology pathway to add significant value to shareholders.

WELL-CREDENTIALLED NEW BOARD & EXECUTIVE



L-R Peter Snowsill, Terry Stinson, Grant Mooney, Ashley Zimpel, Mel Ashton

GRANT MOONEY

INDEPENDENT
NON-EXECUTIVE CHAIRMAN

Key Experience:

- Corporate governance
- Capital raising
- Technology commercialisation

MEL ASHTON

INDEPENDENT
NON-EXECUTIVE DIRECTOR

Key Experience:

- Corporate restructure and finance
- Capital raising
- Audit and risk strategy

TERRY STINSON

INDEPENDENT
NON-EXECUTIVE DIRECTOR

Key Experience:

- Technology commercialisation
- Engineering management
- Capital markets

ASHLEY ZIMPEL

INDEPENDENT
NON-EXECUTIVE DIRECTOR

Key Experience:

- Stockbroking and investment banking
- Capital raising
- Australian and international structured finance

PETER SNOWSILL

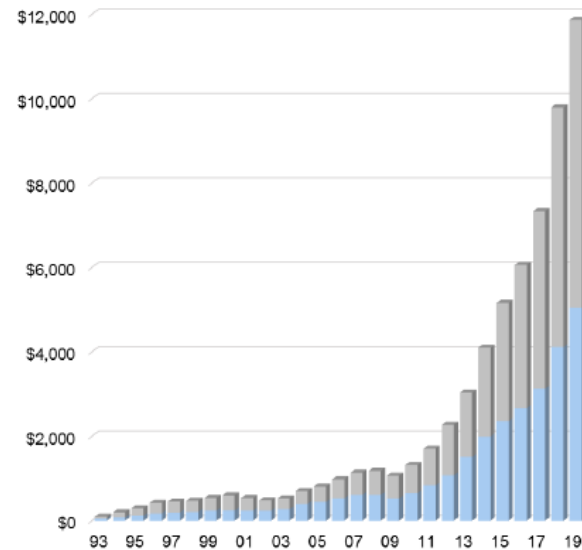
CHIEF EXECUTIVE OFFICER

Key Experience:

- Technology project & engineering management
- Business management
- Technology & project JVs

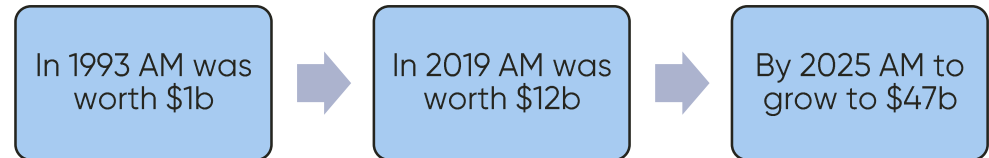
GLOBAL MARKET OPPORTUNITY

Large market, increasingly addressable based on speed advantage



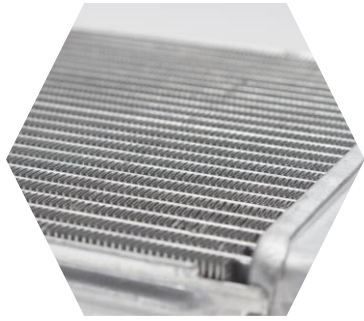
Source: Wohlers Associates, Inc.

The lower (blue) segment of the bars represents *products*, while the upper (gray) segment represents *services*. Neither category includes secondary parts or processes, such as molded parts and castings.



By 2021, Wohlers Associates forecasts the sale of additive manufacturing products and services to approach USD 18 billion worldwide.

TARGET MARKET



HEAT EXCHANGERS
\$15B¹



AUTOMOTIVE PARTS
\$3T²



AEROSPACE PARTS
\$900B³



OIL & GAS
\$205B⁴



MINING
\$114B⁵

1. <https://www.marketsandmarkets.com/Market-Reports/heat-exchanger-market-750.html>
2. <https://www.ibisworld.com/global/market-research-reports/global-car-automobile-sales-industry/>
3. <https://www.grandviewresearch.com/industry-analysis/aerospace-parts-manufacturing-market>
4. <https://www.statista.com/statistics/542311/global-oil-and-gas-equipment-market/>
5. <https://www.grandviewresearch.com/industry-analysis/mining-equipment-industry>

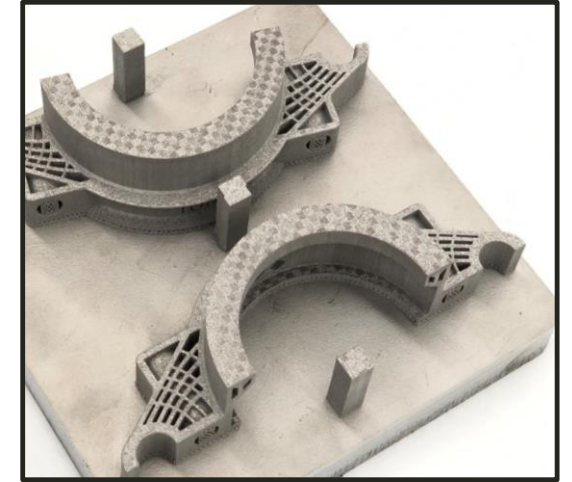
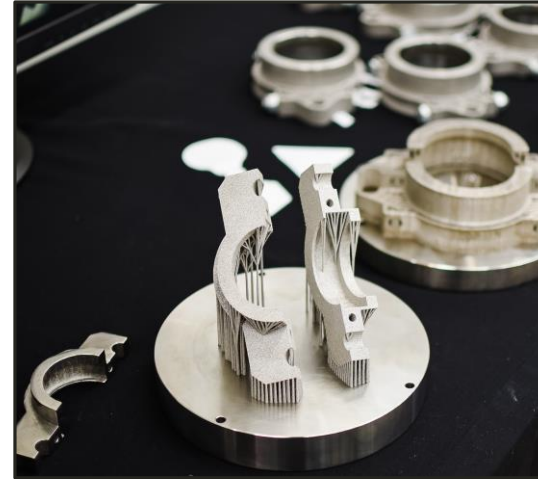
WHY 3D METAL PRINTING

Metal AM has long identified disruptive potential, but slow production rates and small output capability have limited its acceptance

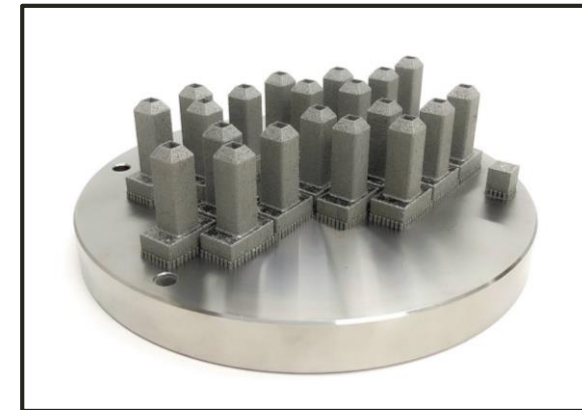
...until now.

A3D is targeting increased speed to overcome these limitations.

- ⚡ Fast, on demand printing to reduce lead times
- ⚡ Reduction in working capital due to lower inventory level
- ⚡ Onsite printing reducing supply chain costs and emissions
- ⚡ Capital efficiency with printers able to handle a variety of materials



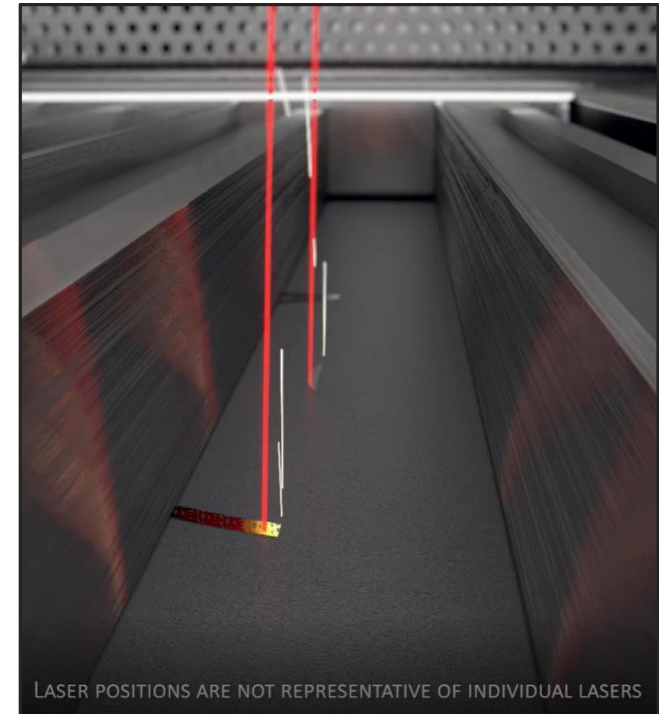
Gland followers commonly used in resources sector pumping systems printed in 316 stainless steel



Industrial manufacturing rubber punches printed in 17-4PH

UNRIVALLED TECHNOLOGY

- High production rate powder bed laser based 3D metal printing utilising print process technologies including our patented Multi-layer Concurrent Printing (MCP™) technology.
- Capable of reliable, high production speed, high accuracy printing to deliver significantly lower cost of production than other powder bed laser printers.



View the technology video at:
<https://www.auroralabs3d.com/a3d/content/company/videos/files/20200904.mp4>

RMP-1 TECHNOLOGY DEVELOPMENT

Developing the flagship RMP-1 technology to commercial readiness and securing strategic partners within 12 months

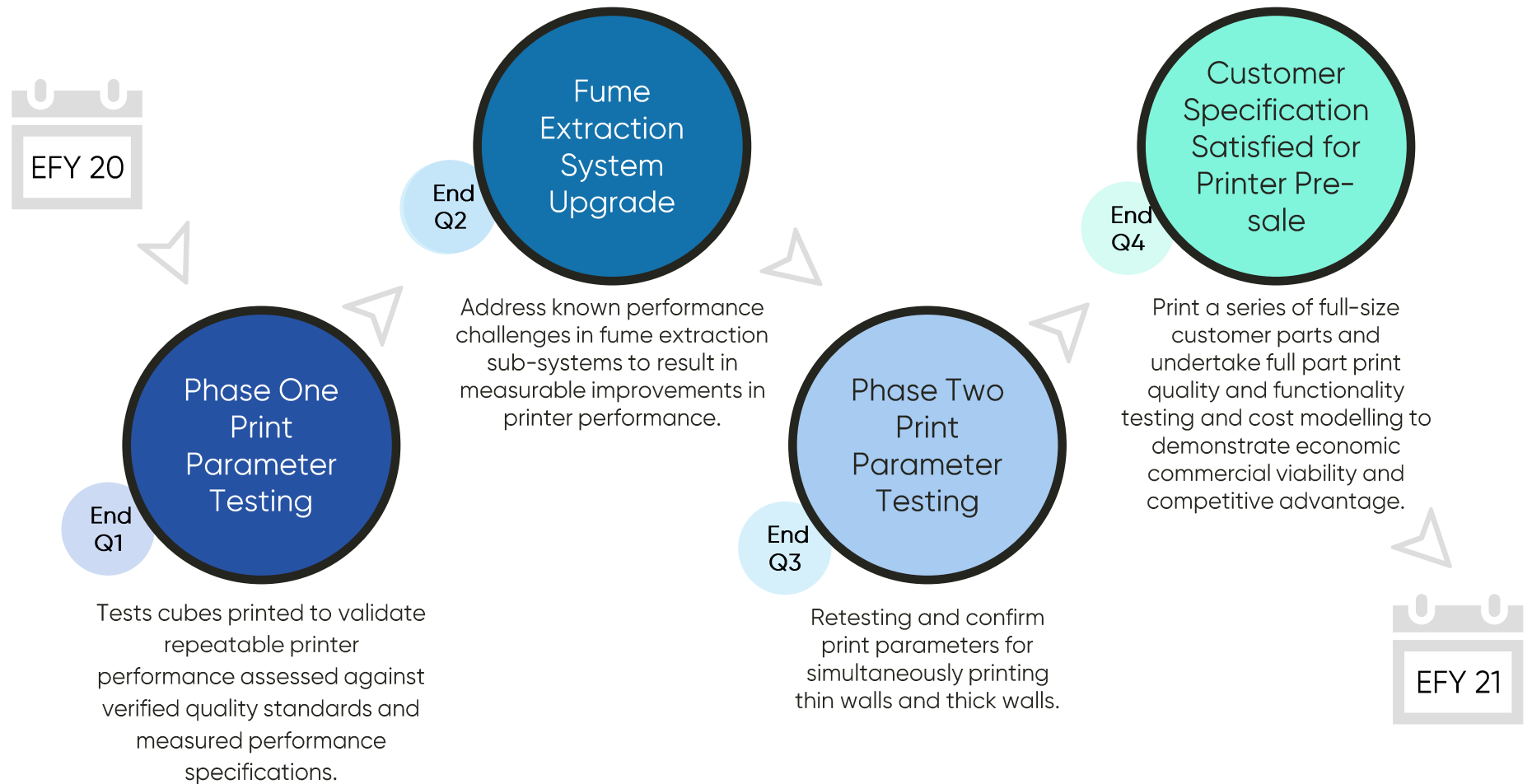
The pathway will allow us to:

- Demonstrate full-range of RMP-1 capability through comprehensive testing and system improvement program.
- Verify RMP-1 performance through printing of customer parts to meet quality, functionality and cost of production targets.
- Achieve commercial readiness based on RMP-1 pre-sales from specific customers.



The RMP-1 Beta is printing customer parts during development

RMP-1 TECHNOLOGY DEVELOPMENT PATHWAY

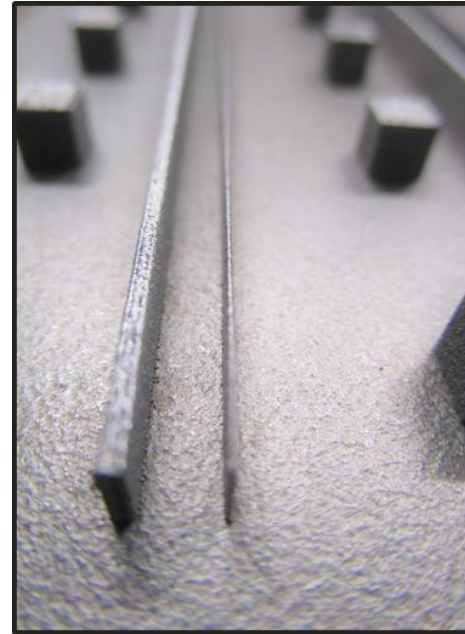


RMP-1 TECHNOLOGY DEVELOPMENT PATHWAY

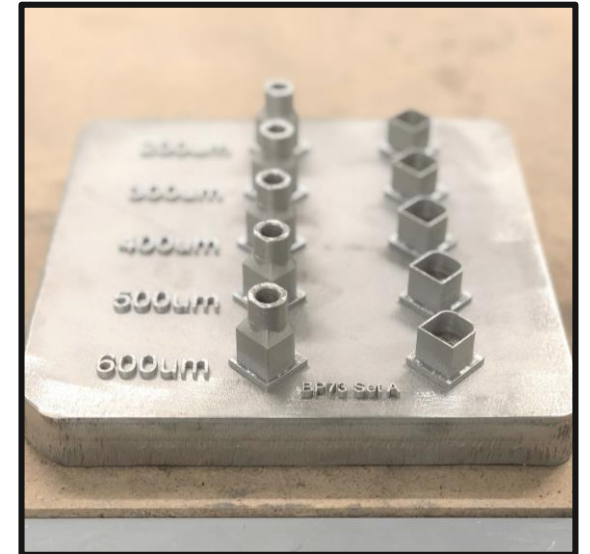
Phase One
Print Parameter
Testing

End Q1

On Track

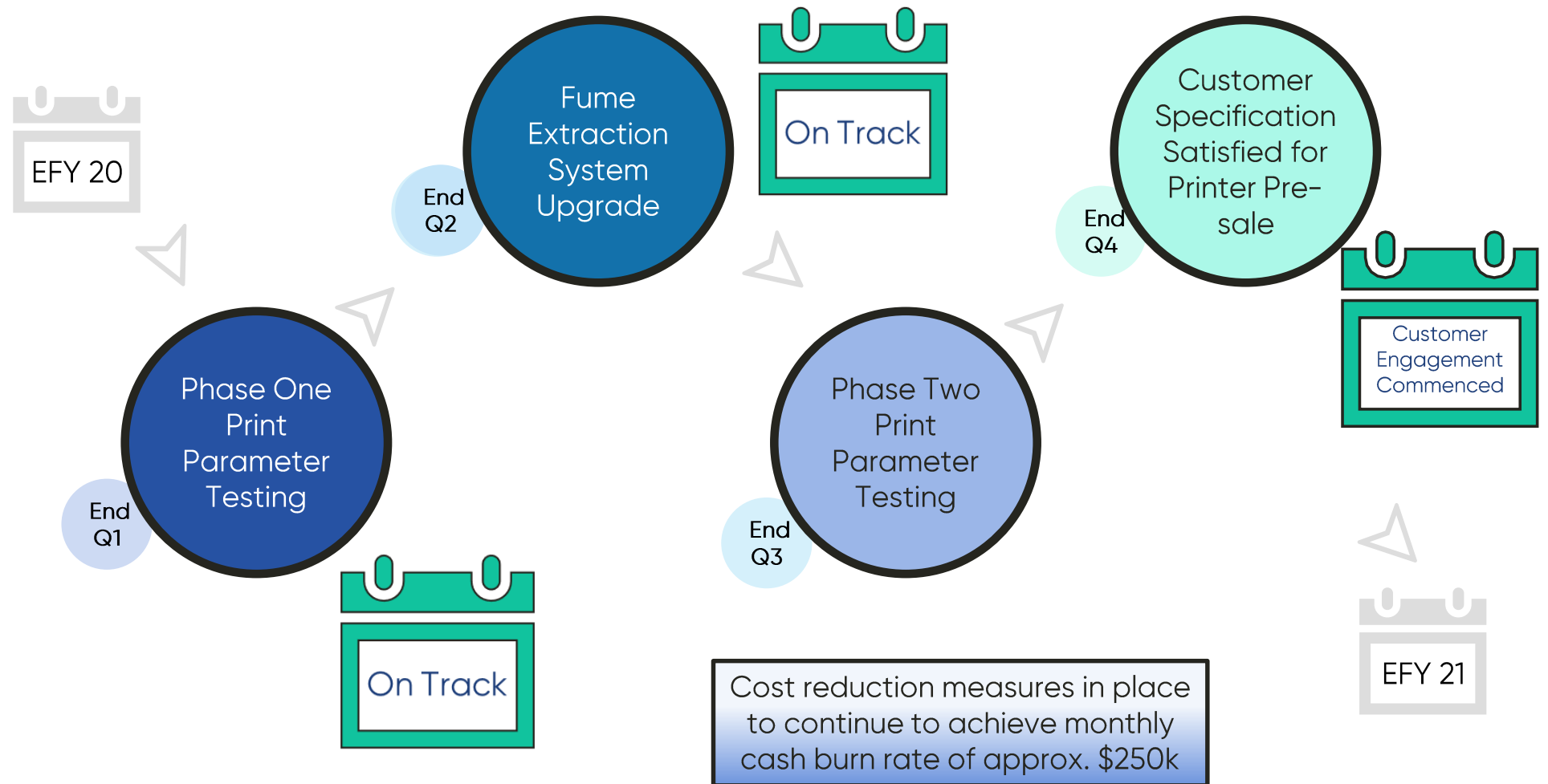


High density thin wall printed in 316L stainless steel



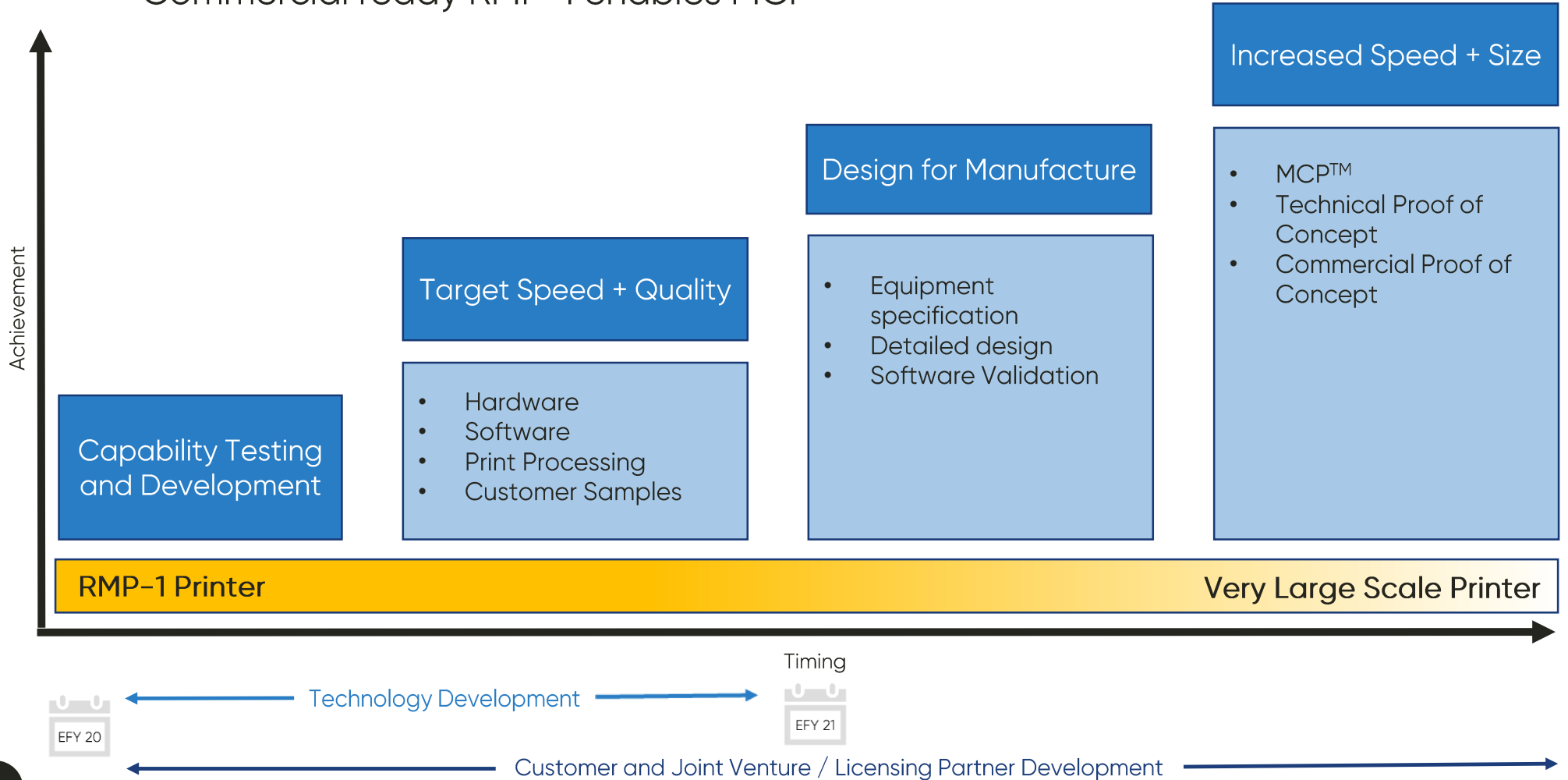
Thin wall development in 316L stainless steel

RMP-1 TECHNOLOGY DEVELOPMENT PATHWAY



TECHNOLOGY ENABLERS

Commercial ready RMP-1 enables MCP



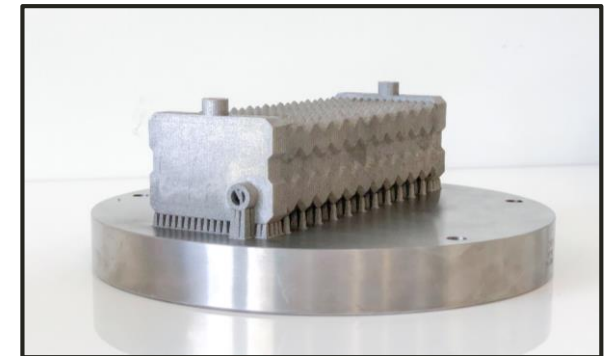
COMMERCIALISATION STRATEGY

Customer driven JV and licensing approach

- Work directly with major industry players with capacity for RMP-1 printer manufacture, sales and distribution.
- Lower capital, operational cost base in sales & marketing, printer manufacturing and ancillary technology divisions.
- Faster path from commercial readiness to product sales.
- Partners have established sales channels to leverage from.
- Engagement with potential customers and commercialisation partners commenced.



Hydro pulper printed in 316 stainless steel



Heat exchanger printed in Ti6Al4V

PARTNERSHIPS: Gränges

Gränges AB is a leading global supplier of rolled aluminium products for heat exchanger applications and other niche markets. Every second car produced in the world today contains material manufactured by Gränges.

A Non-Recurring Engineering Research Project (NRE-1) between Gränges and Aurora will explore the material properties the parties can develop using their combined expertise in Aluminium alloys and Additive Manufacturing.

- ▲ Particular focus on alloys for the automotive sector.
- ▲ NRE-1 test work has commenced.
- ▲ Maximum value of USD \$250,000.

www.granges.com



NRE-1 test work

PARTNERSHIPS: AdditiveNow

AdditiveNow designs, produces and deploys complex components for energy, chemical and resources operators.

- 50/50 JV between Aurora and Advisian Digital (Worley Limited).
- AdditiveNow is currently reverse-engineering, optimising and printing parts for clients.
- Ongoing sales of parts are usually a precursor to sales of machines. This is a well understood process in the print bureau industry and a pathway to market for A3D.

AdditiveNow is a joint venture of Advisian Digital, the data science, software and technology business of Worley Limited (Worley), global provider of professional project and asset services, and Aurora Labs Limited.

www.additivenow.com



Consultation



Engineering



Short Run Production

WHY INVEST IN AURORA LABS?



Technological advantage

Aiming for global market leading, reliable, high productivity, high accuracy printing through a suite of new technologies



New Board with proven experience to deliver technology pathway plan

Technology development pathway progress on track



Customer-centric approach with strategic partnerships

Customer demand driven printing including AdditiveNow and Granges and early partner engagement for JV/licensing commercialisation business model



Large 3D printing market

Capitalise on growing \$12b global AM market with focus on heat exchangers, automotive parts, aerospace parts and spare parts in oil & gas and mining

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