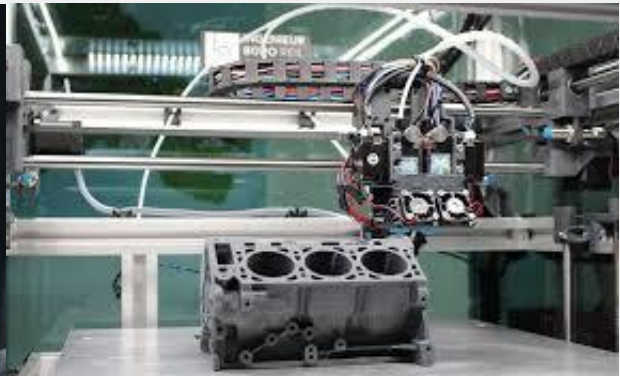




SIGMA LABS

Setting the Quality Standard for Additive Manufacturing

*Investor Presentation
April 2022*





Forward Looking Statement

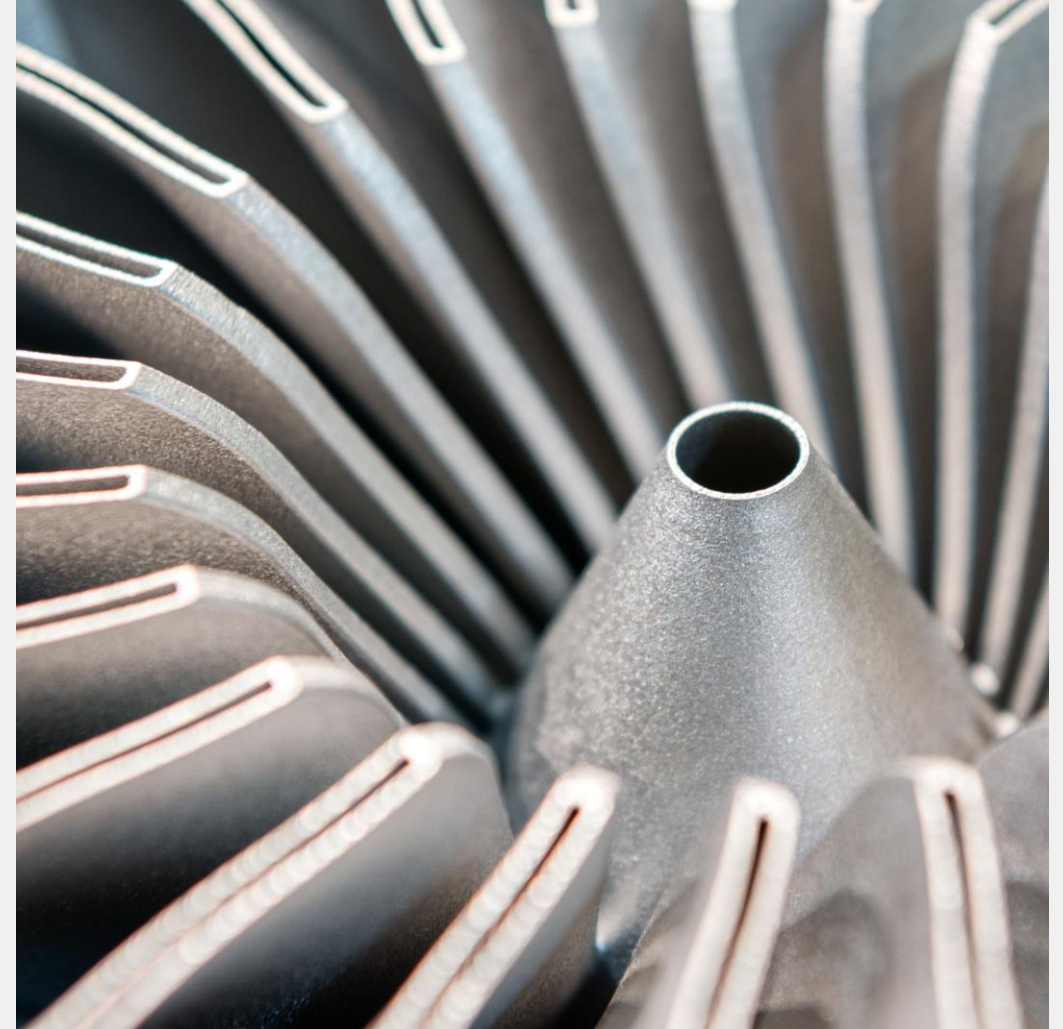
This presentation contains “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended (which Sections were adopted as part of the Private Securities Litigation Reform Act of 1995). Statements preceded by, followed by or that otherwise include the words "believe," "anticipate," "estimate," "expect," "intend," "plan," "project," "prospects," "outlook," and similar words or expressions, or future or conditional verbs such as "will," "should," "would," "may," and "could" are generally forward-looking in nature and not historical facts. These forward-looking statements involve known and unknown risks, uncertainties and other factors. Among the important factors that could cause actual results to differ materially from those indicated by such forward-looking statements are risks relating to, among other things, market and other conditions, Sigma Labs' business and financial condition, the extent of the market's acceptance of PrintRite3D version 7.0, Sigma Labs' ability to satisfy its capital needs through increasing its revenue and obtaining additional financing, and the impact of COVID-19, general economic, industry or political conditions in the United States or internationally. The Company disclaims any intention to, and undertakes no obligation to, revise any forward-looking statements, whether as a result of new information, a future event, or otherwise. For additional risks and uncertainties that could impact the Company's forward-looking statements, please see disclosures contained in Sigma Labs' public filings with the SEC, including the "Risk Factors" in Sigma Labs' Annual Report on Form 10-K, and which may be viewed at www.sec.gov

Agenda



SIGMA LABS

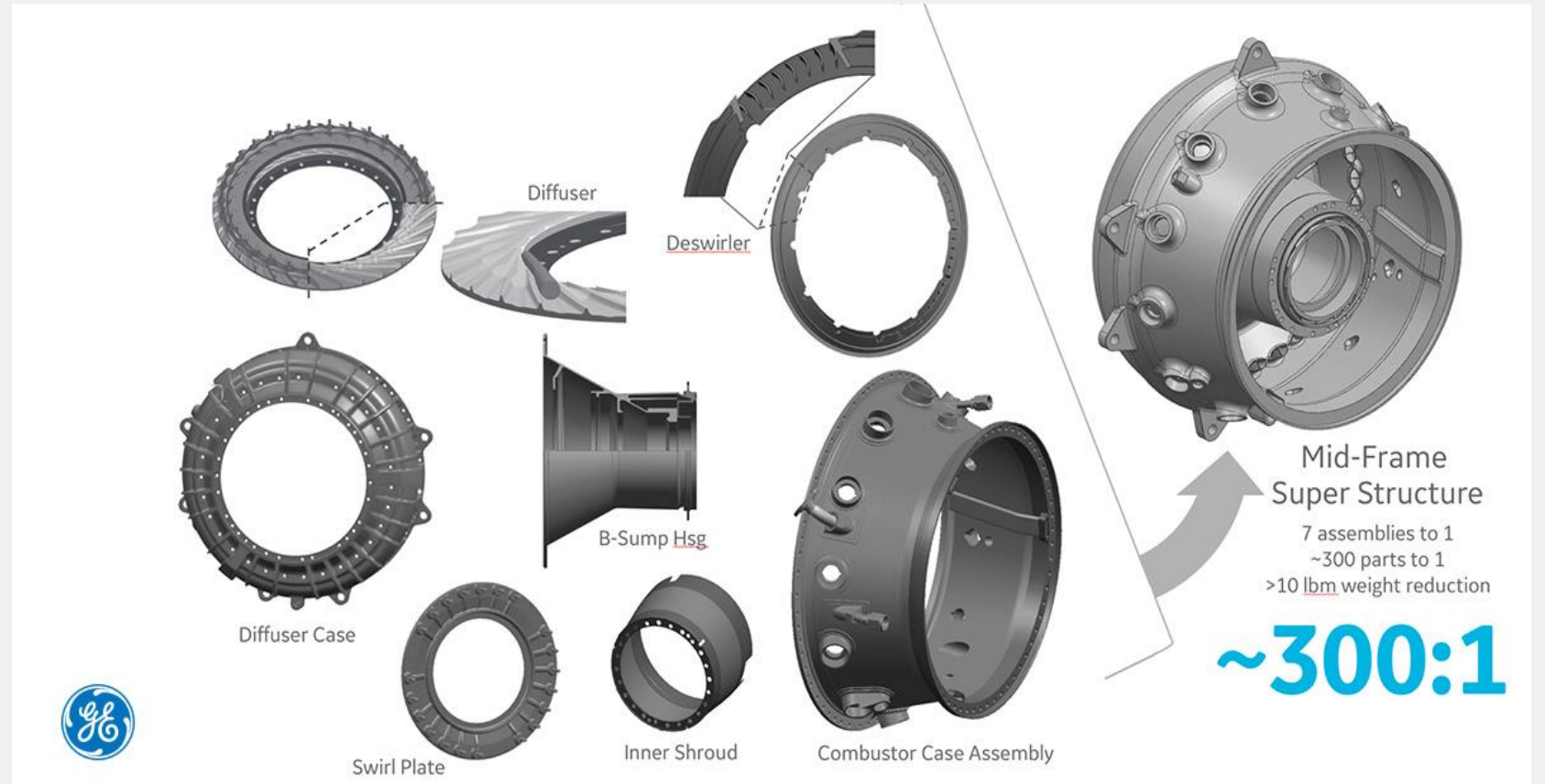
- **Company Overview**
 - Problem Statement
 - Mission Statement – Company Details
 - Market Opportunity
- **Additive Manufacturing**
 - The Problem
 - What's Changed
- **Go to Market Strategy**
 - Machine, Process, and Part
 - Partner Ecosystem
- **Product and Technology Overview**
 - Evolution of Product
 - Benefits to both end users and the Additive industry
 - Intellectual Property
- **Summary**



Additive Manufacturing Supply Chain Advancement

- Lead Time Reduction
- Fewer Parts
- Decreased Weight
- Increased Durability
- Maintenance Reduction

How do you qualify and certify parts that cannot be inspected traditionally?



300 parts assembled digitally and printed to produce a single super structure.

Courtesy GE Research



Mission Statement

To accelerate the adoption of
Additive Manufacturing by
setting the standard for In-situ
Quality Monitoring and
Analytics



Enabling the Amazing

Sigma Labs Overview

- In-Process Quality Assurance solutions for the Additive Manufacturing industry
- Headquartered in Santa Fe, N. M.
- PrintRite3D detects and identifies defects real-time during the printing process
- 3rd party, agnostic hardware/software solution across printers, processes and materials
- Transitioning to SW only solution enabling embedded OEM distribution model
- Business model accelerates both in revenue and profitability with the growth of the industry

NASDAQ: SGLB	
Share Price ⁽¹⁾	\$1.99
Market Cap ⁽¹⁾	\$20.9
TTM Revenues ⁽²⁾	\$1.7M
FY 2020 Revenues ⁽³⁾	\$807,500
Net Debt ⁽²⁾	\$0
Patent Portfolio ⁽²⁾	15 granted, 37 in progress
Outstanding Shares ⁽²⁾	10.5M

1. As of April 11, 2022

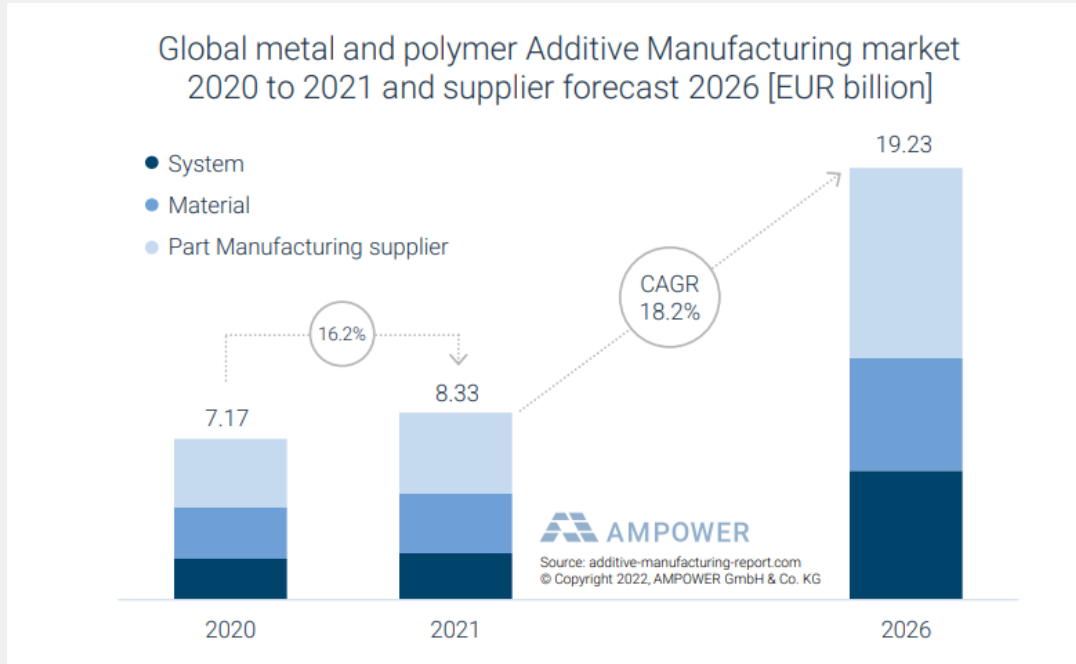
2. As of December 31, 2021

3. As of December 31, 2020

3D Printing Applications



Market Opportunity



2021 Additive Summary

- Overall metal and polymer AM market size in 2021 at EUR 8.33 billion
- Annual expected growth of 18.2 % per year until 2026
- Total market to reach EUR 19 billion (>\$20B USD) in 2025
- Powder Bed Fusion is leading industrial AM technology
- Polymer part manufacturing supplier market four times larger than for metal parts
 - *Sigma Labs addressing the two largest segments of additive manufacturing*

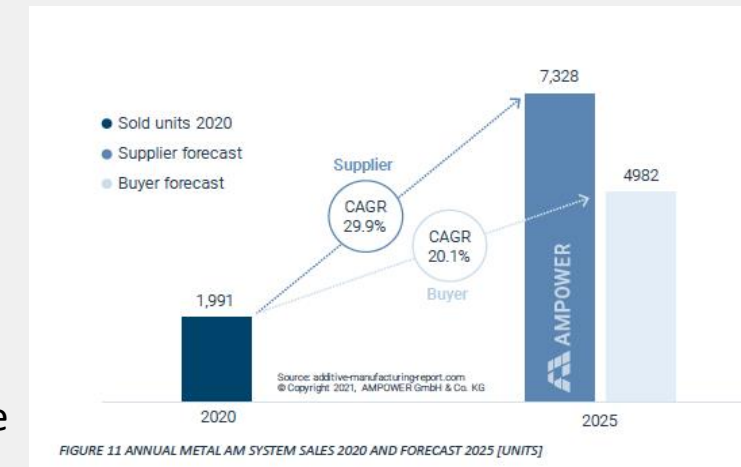


FIGURE 11 ANNUAL METAL AM SYSTEM SALES 2020 AND FORECAST 2025 [UNITS]

Metal Additive Manufacturing Example:

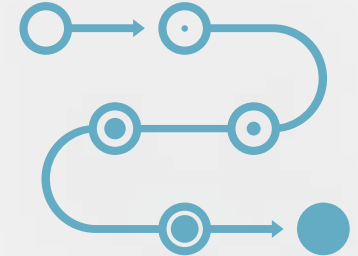
~12,000 installed metal additive machines installed through 2020

>2,000 additional relevant machines added a year (>20% CAGR as noted right)

- 10% coverage of installed market in 2025 yields ~ USD \$65 million annual re-occurring revenue
- 3% coverage of installed market in 2025 yields ~ USD \$20 million in annual re-occurring revenue



Metal 3D Printing Challenges



Part

- Virtually unlimited design possibilities.

Material

- More metal powders, alloys, and manufacturers.

Machine

- Over 50 3D metal printer OEMs.
- Multiple generations, multiple processes.
- 1, 2, 4, 8, and 12 laser+ machines.

2nd Ops

- Cost & time of inspecting after the fact.
- Expensive CT scans and destructive testing.

Too many variables and inadequate quality standards



AM Industry is Poised to Fulfill its Potential



Collaboration focusing on . . . end user's problems and ROIleveraging industry standards . . . Integrated point solutions

Optimizing the end-to-end AM process will result in higher quality, faster ROI, and lower costs for 3D printed parts

Sigma Labs - Central Role in the Additive Manufacturing Workflow

Across Modalities

(LPBF, DED, Polymer SLS)

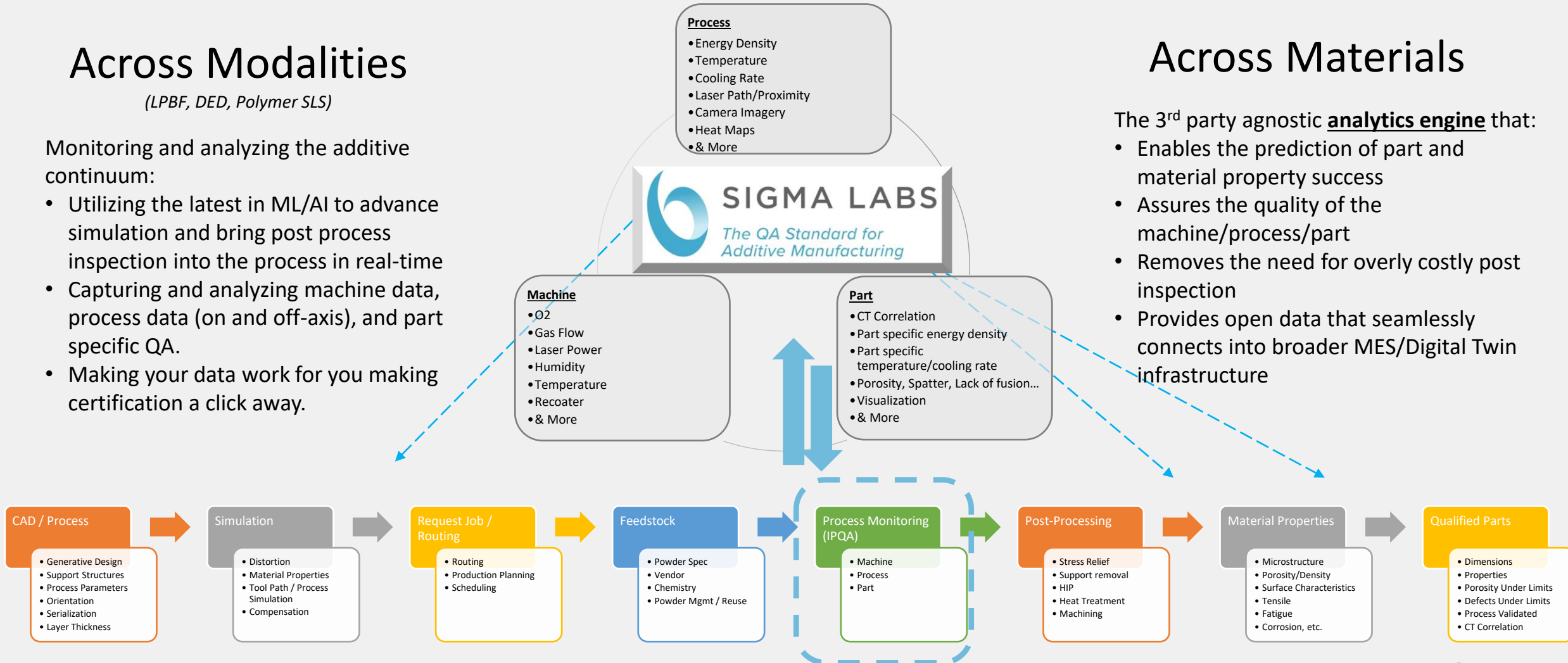
Monitoring and analyzing the additive continuum:

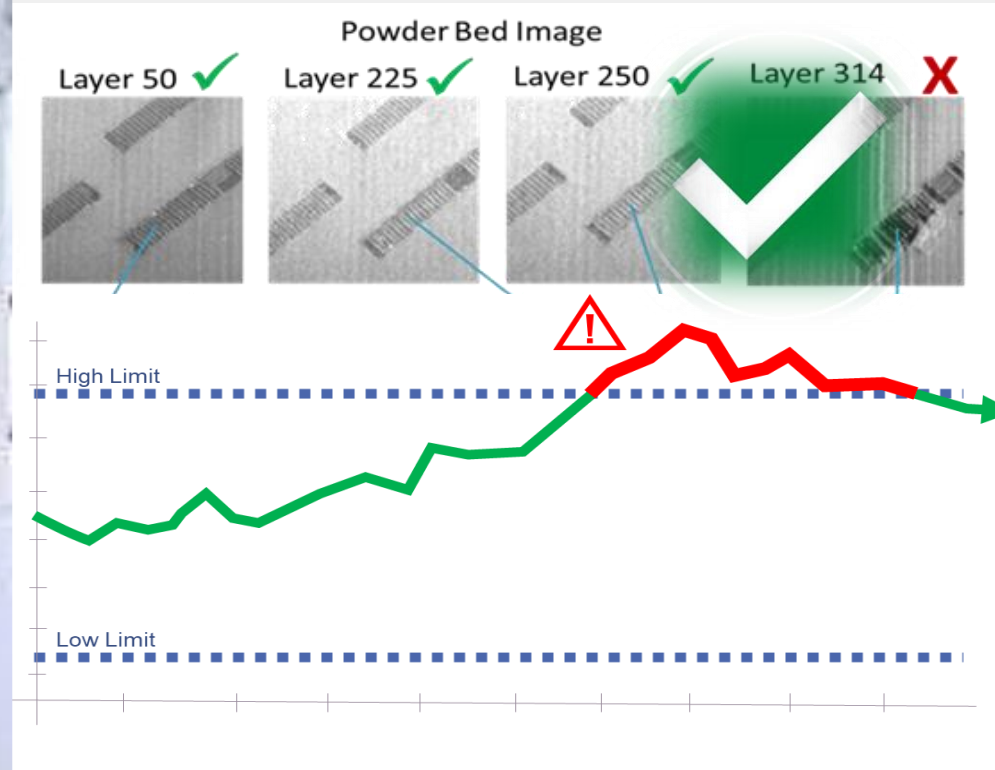
- Utilizing the latest in ML/AI to advance simulation and bring post process inspection into the process in real-time
- Capturing and analyzing machine data, process data (on and off-axis), and part specific QA.
- Making your data work for you making certification a click away.

Across Materials

The 3rd party agnostic **analytics engine** that:

- Enables the prediction of part and material property success
- Assures the quality of the machine/process/part
- Removes the need for overly costly post inspection
- Provides open data that seamlessly connects into broader MES/Digital Twin infrastructure





Machine, Process, Part

The 3rd Party agnostic standards-based solution
Across printer OEMs, printing processes, and materials





World-class Customers and Partners

End Users - Industrial



Universities and Research Organizations



OEMs



Software





Evolution of Quality at Scale



Phase I

- OEM closed systems
- No APIs
- No collaboration
- Beg, borrow time to develop PrintRite3D
- Market limited by price point
- Hardware-software retrofit required



Phase II

- Open systems
- Partner ecosystems
- Published API's
- Increased collaboration
- Full in-process quality: Machine, Process, Part
 - Meltpool
 - Vision
 - Machine Sensors
- Machine Learning and Artificial Intelligence

PrintRite3D software only solution for OEMs and retro-market

Phase III

- Software only offering
- Embedded non-optional on OEM offerings
- Price point enables thousands of systems
- Targeting >50% software only revenue

Leverage Sigma's IP to 1,000s of printers



Impact of Strategic Shift

- Significantly lowers the barrier of entry and ease of expansion within sites and broader industry
- Increases our gross margin and simplifies our business model
 - GM increases from ~ 60% to ~ 90%
 - 70% of revenue through, or in partnership, with printer OEMs
 - 30% will be hardware/software edge computer direct to universities and research organizations

Software only solution enables us to build a partner ecosystem and add value through the entire manufacturing process from design through post- production.



Protecting our IP

Jurisdiction	Granted	In Process	Total*
US	13	16	29
PCT		3	3
EP		4	4
Germany	1	7	8
China	1	4	5
Japan		2	2
Korea		1	1
Total	15	37	52

*As of December 31, 2021



These patents encompass the fundamental technology underlying Sigma Lab's melt pool process control, data analytics, anomaly detection, signature identification, & "closed loop control" of 3D metal printing.



Summary

- The market is changing and embracing open API's, standardization, collaboration and increased focus on improving the economics
- Our IP for quality monitoring is differentiated and highly valuable to the industry
- Through transition to a software only offering allows us to sell and support 1,000s of units, vs 10's
- We are moving aggressively towards things that support this growth model, such as subscription-based pricing, multi-tiered OEM models, expanding our partner ecosystem, and active contribution towards setting standards



Investor Relations

Investor Contact:

Chris Tyson

Executive Vice President

MZ Group - MZ North America

949-491-8235

SGLB@mzgroup.us

www.mzgroup.us

Company Contact:

Steven Gersten

Sigma Internal IR

813-334-9745

investors@sigmalabsinc.com