



# Welcome Nano Dimension Tech Day

Nano Dimension Tech Day

April 27, 2023

# Agenda



| 9:30  | Welcome Coffee  |
|-------|---|
| 10:00 | Introduction Nano Dimension   |
| 10:15 | Introduction J.A.M.E.S  |
| 10:30 | Breaking the packaging to unleash innovation — innovative packaging by AME technology |
| 11:00 | Coffee Break  |
| 11:15 | Revolution: Is AME ready for production?  |
| 11:45 | Use Case Celtro: Self Sufficient Medical Electronics                                  |
| 12:15 | Lunch & Indoor Golf – time to do emails & calls or practice your golf swing           |
| 14:00 | Flexible solution to place components onto an AME board                               |
| 14:30 | Micro Additive Manufacturing – Shaping the future. One micron at a time               |
| 15:00 | System demos @application center: DragonFly, Fabrica, Fox                             |
| 16:00 | Coffee, Question & Answers  |
| 16:30 | After-Work Networking cocktails & beers   |



## THE PRINTING PRESS EXPONENTIALLY ACCELERATED AND EXPANDED THE INDIVIDUAL CAPACITY FOR PRODUCTION



#### Historical comparison

PDFs are the digital inventory!

500 BCE → 1436 CE



1907



1970



2008



2016



Similarly, Nano Dimension's AME 3D-Printing Technology diffuses production capacity, expedites innovation and fosters a renaissance and paradigm shift in analogue industries that are over half a century old (non-integrated circuits electronic devices & PCB)



2000

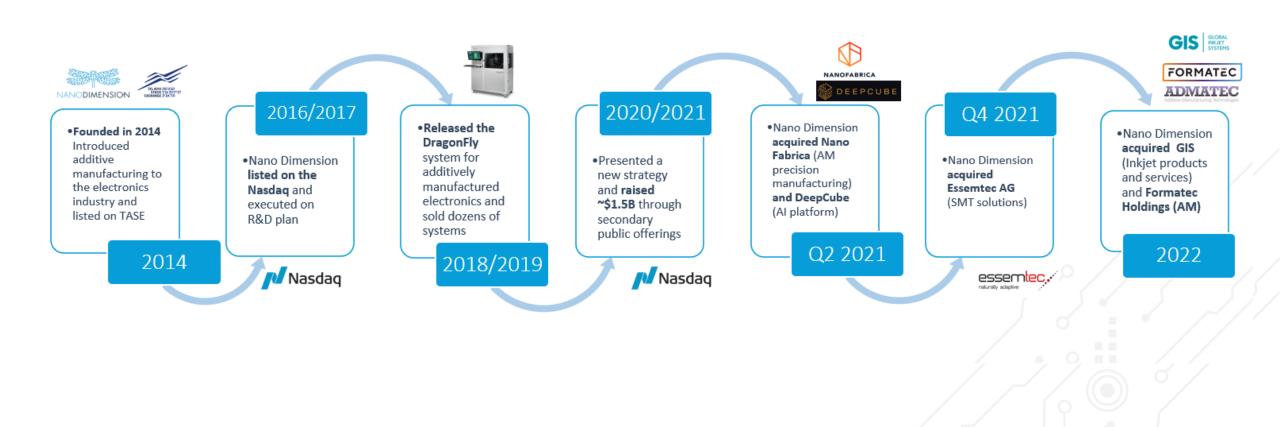


2022

#### THE NANO DIMENSION JOURNEY



AME enables free from 3d electronics design and manufacturing

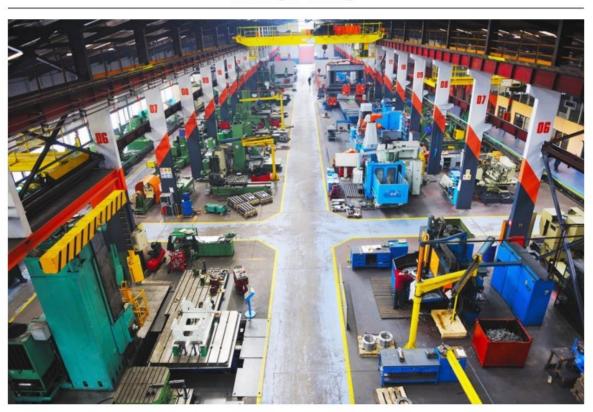


#### THE NEW WORLD: RESHAPE PRODCUTION



Local, Secure, Flexible, and Sustainable

#### All of This



#### Replaced by a Few of These



#### LEADERSHIP IN SUSTAINABILITY

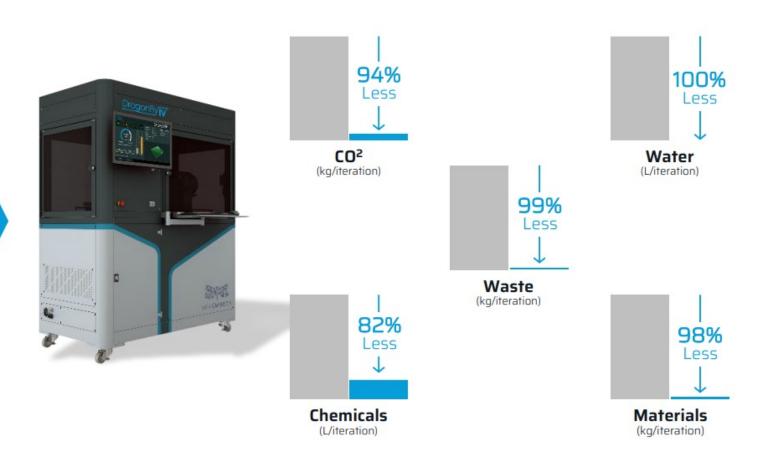


#### Traditional Manufacturing vs. Sustainable AM Solutions

#### Before After



1 Based on a 2021 study by HSSMI, a UK based sustainability consultant



#### NANO DIMENSION





#### WE STARTED HERE



Additively
Manufactured Electronics
(AME)

Critical Technologies to Advancing 3D Printed Electronics

#### WORLDWIDE PRESENCE POISED FOR ACCELERATED GROWTH



#### Nano Dimension



### **Expanding the Product Portfolio to Reach the Target**



DELIVER ADDITIVELY MANUFACTURED ELECTRONICS AND HIGH PRECISION AM ENVIRONMENTALLY FRIENDLY & ECONOMICALLY EFFICIENT SOLUTIONS TRANSFORMING DIGITAL DESIGNS INTO HIGH-PERFORMANCE INNOVATIVE APPLICATIONS - ON DEMAND, ANYTIME, ANYWHERE



- DragonFly IV: Additively Manufactured Electronics
- Fabrica Group: High precision manufacturing in polymer and ceramic loaded utilizing DLP technology
- Essemtec: Adaptive, highly flexible and modular SMT equipment, P&P and microdispensers
- Admatec: ceramic and metal AM system utilizing a patented foil system and DLP technology
- Global Inkjet Systems: drive electronics, SW and ink delivery solutions for inkjet industries



Applying
DeepCube Group
Deep Learning
based AI software
to create a
network of self
improving and
correcting
systems,
improving overall
production
capabilities

### **Innovation in Key Areas**

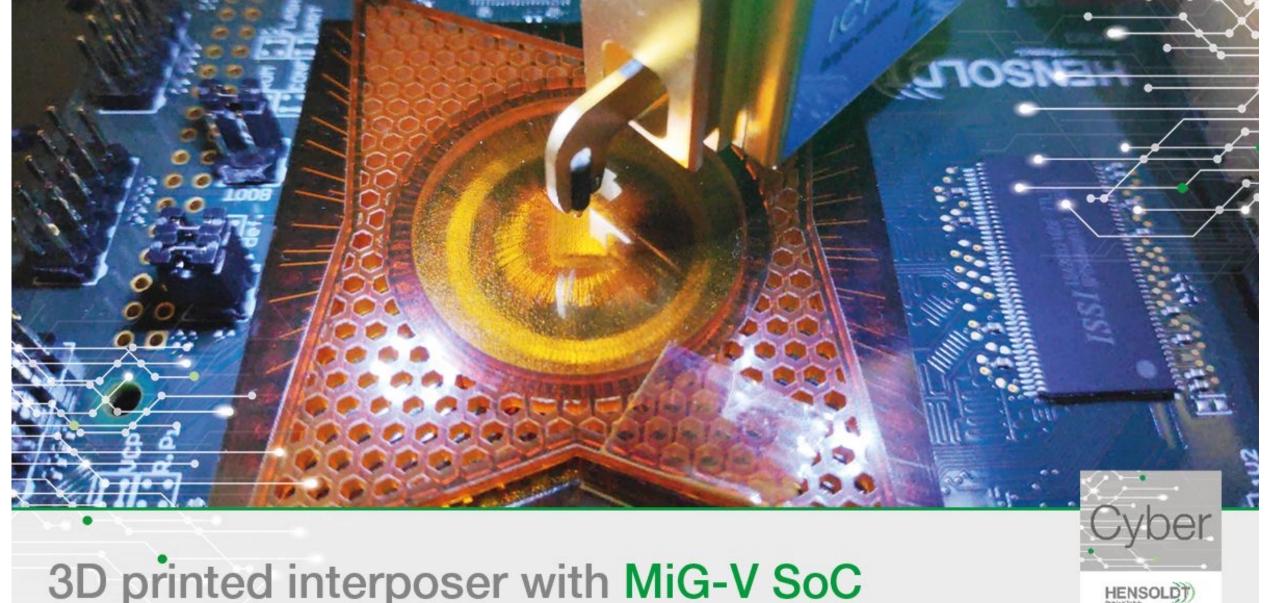
Enabling Weight Reduction, Miniaturization, & Agile Innovation of Critical Components



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3D printed interposer with MiG-V SoC