



Industry 4.0 for Aerospace Manufacturing in 2020: Impact, Challenges and Best Practices

## **Panel Members**



### Dr. Don Kinard, PhD

Senior Fellow, Lockheed Martin Aeronautics



### Dr. Robert Yancey, PhD

Business Development Director, Hexcel



### **Curtis A. Richardson**

Technical Fellow, Spirit AeroSystems



Moderator: Avner Ben-Bassat

President & CEO Plataine Inc.



## Shachar Fine

EVP Kanfit Ltd.

## **Our Goals Today**

- Explore how the 4th industrial revolution is currently applied to, and impacts aerospace manufacturing, at all levels of the supply chain.
- Discuss business problems already addressed today with these new capabilities, the outcomes achieved, the challenges in user adoption, best practices and lessons learned.
- Discuss the impact of COVID-19 on the adoption of Industry 4.0 technologies.



## Agenda

- Introductions & opening comments
- Panel discussion
- Open Q&A with the audience
- Closing remarks



## **About Plataine**

#### **Select Customers**

Optimize & automate manufacturing process at both site and supply-chain levels

New software intelligence layer complementing current systems

IIoT: automated collection of sensor & system data in realtime

AI: delivering insightful alerts & recommendations improving productivity



### Select Partners



### Awards and Recognition



## ΡΙΛΤΑΙΝΕ°



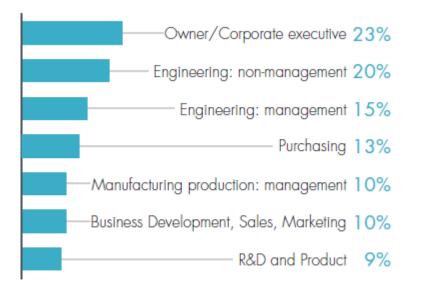


## Trends In Global Manufacturing Market Survey by SME and Plataine

Avner Ben Bassat Plataine

## 2020 Survey Demographics

This survey is based on over 200 surveyed executives, decision makers & influencers from the industrial manufacturing industry.

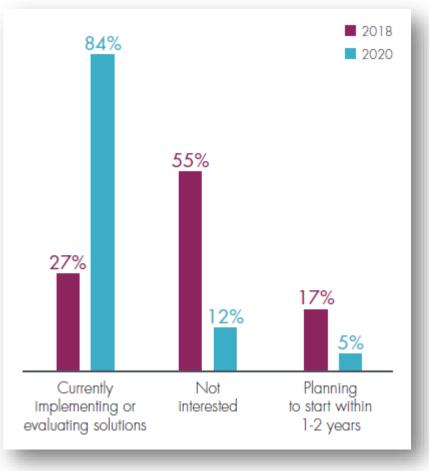




### ΡΙ ΛΤΑΙΝΕ°

## How far has your company progressed towards implementing a digital manufacturing strategy?

Significant increase in adoption of Industry 4.0 technologies from 2018 to 2020

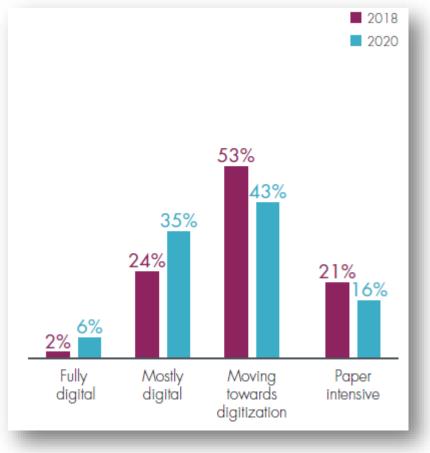


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# What is your company's current level of digitization?

More respondents in 2020 indicated their companies are making strides to become digital



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## As Part Of Your Digitization Strategy, What Challenges Are Your Company Looking To Resolve?

Lower production costs 54%
Improve on-time delivery and estimate delays 51%
Reduce quality risks 47%
Increase manufacturing capacity 45%
Improve visibility into production 40%
Predict machine or tool failure 39%
Shorten time-to-market 38%
Increase supply chain collaboration 31%
Meet compliance requirement 29%
Other 15%
* The total responses add up to more than 100% as some respondents marked multiple options.

### ΡΙΛΤΑΙΝΕ

## Which Hurdles Must Your Company Overcome While Pursuing Your Digital Transformation?

Lack of human resources 47%
Potential complexity of system integration 46%
Lack of budget/financial resources 44%
Need to improve cross-department workflows 36%
Lack of professional/technical know-how 35%
Lack of clear ROI data 31%
Cyber security 29%
Lack of management buy-in/support 29%
Distrust and uncertainty 21%
Other 7%

\* The total responses add up to more than 100% as some respondents marked multiple options.

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## Thank you.

### https://www.plataine.com/surveys/

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