

Economic update and industry outlook

Integrating MES and ERP to solve top challenges in manufacturing







With you today





Craig Scott

CEO/ Founder (FUUZ)

cscott@fuuz.com

Summary of experience

Craig has nearly 2 decades in Manufacturing Operations Management, including Automotive, Aerospace/Defense and Consumer Goods operations. He has experience in all facets of manufacturing, including but not limited to engineering, quality, logistics, sales, project management and IT. In his current role as CEO of FUUZ, he leads the product development, sales and customer enablement of the industries only cloud native SaaS Manufacturing solution.

Prior to FUUZ, Craig spent much of his time owning and operating other ventures including an ERP Implementation and selection firm, focusing only on Manufacturing clients. During this time, he worked with over 450 individual clients globally including SMB and Enterprise. Before delving into the world of consulting, software and IT, he owned a Detroit based manufacturing company called Metalform Industries, which supplied Automotive, Aerospace and other industries with high precision tooling and prototype / low volume production.

Education

- Bachelor of Science Manufacturing Eng, Central Michigan University
- Master of Science Manufacturing Eng, Central Michigan University

With you today





Katie Landy
Consulting Principal
katie.landy@rsmus.com

Summary of experience

Katie has over 16 years of experience providing risk consulting services to a variety of clients with a focus on the consumer products and industrials industries. She is one of the regional practice leaders focusing on serving and growing the firm's practice in this space. In addition to this role, Katie has extensive experience in areas of program and project management, enterprise risk management, operational and financial internal audit, internal controls, Sarbanes-Oxley readiness, and process improvement for both public and private organizations. Katie also serves as an Industrials Senior Analyst in RSM's Industry Eminence Program, which positions its analysts to understand, predict and communicate economic, business and technology trends shaping the industries and sectors RSM serves.

Prior to RSM, Katie served as the chief audit executive for a global manufacturing and distribution organization, where her areas of responsibilities included internal audit and enterprise risk management. Her industry and professional service roles have provided a broad range of experiences and ability to provide a unique perspective to her clients.

Education

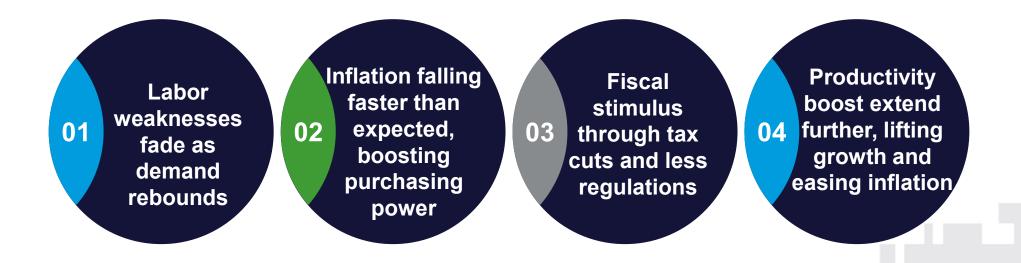
- Bachelor of Accounting and Information Systems, Virginia Polytechnic Institute and State University
- Master of Accounting and Information Systems, Virginia Polytechnic Institute and State University



Economic update

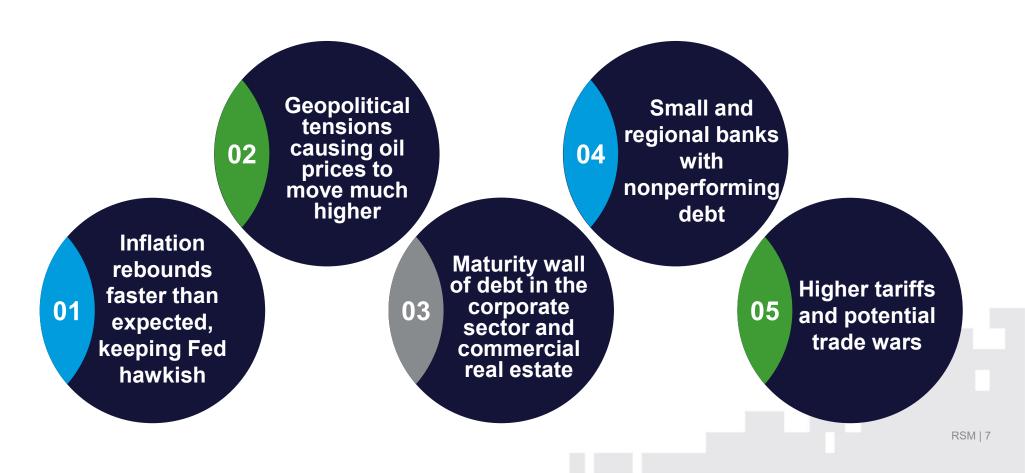


Positive risks to the outlook





Negative risks to the outlook





Economic growth outlook

GDP Rebounds Strongly in Q3, Up 2.8% Overall

Real GDP growth, quarterly annualized Goods Services Nonres Residential Inventories Net exports Government GDP growth

Source: BEA, RSM US

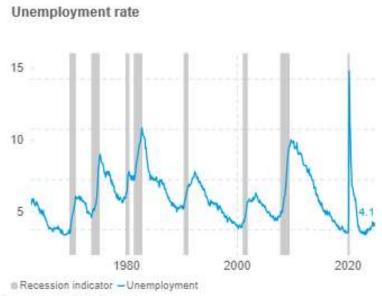
Real growth by key metrics



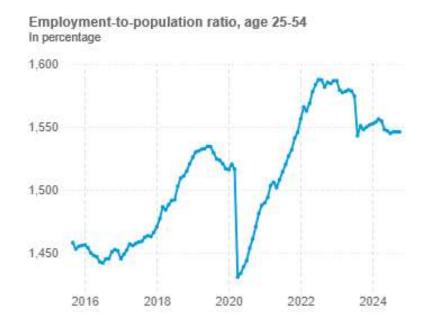


Employment outlook

Unemployment rate at 4.1% up from recent low of 3.4%



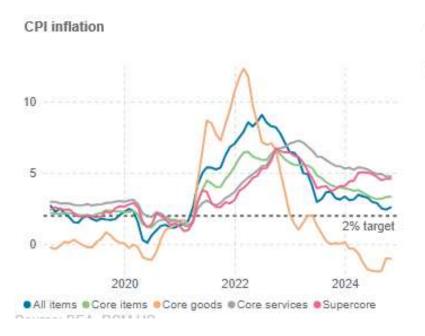


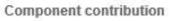


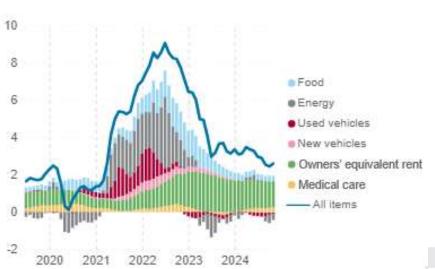


Inflation outlook

CPI inflation cooled back to 2.6%



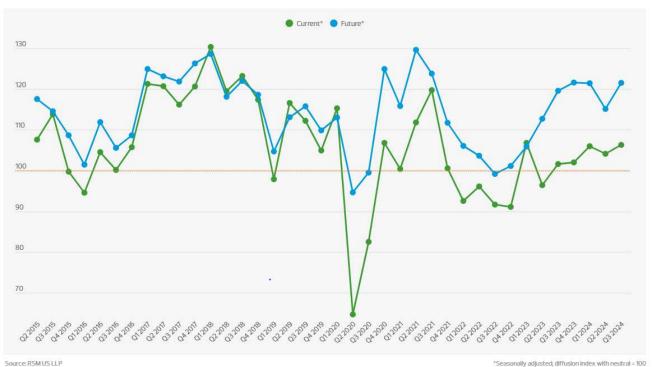






Middle Market Business Index

General economy performance



First, thinking about the general economy this quarter versus last quarter, how would you describe the current general economy? Would you say the general economy has ...?
What are your expectations regarding the general economy over the next six months? Do you expect the general economy will ...?

RSM | 11



Middle Market Business Index

Aggregate capital expenditures / investments performance



First, thinking about the general economy this quarter versus last quarter, how would you describe the current general economy? Would you say the general economy has ...?
What are your expectations regarding the general economy over the next six months? Do you expect the general economy will ...?



Era of permacrisis





The Era of Permacrisis

Since January 2020

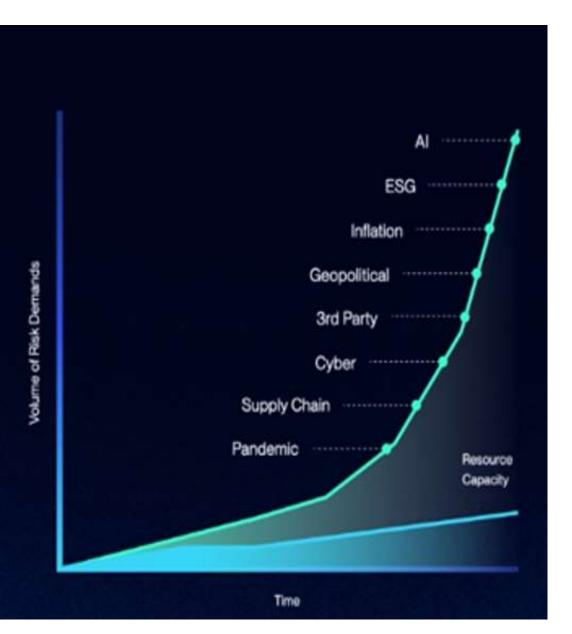
- Worst global pandemic in 100 years
- Highest unemployment rate in 90 years
- Most significant war in Europe in 80 years
- Highest inflation in 40 years
- Most aggressive monetary policies in decades
- Failures in the banking industry
- Climate induced catastrophes
- Sharpening political divisions
- Outbreak of major hostilities in the Middle East
- Pending sense of helplessness

The speed of risk

Permacrisis is being driven by the speed of risk.

- Faster rate of change
- New and constantly evolving conditions
- More emerging risks
- Greater complexity
- Increased connectivity
- Greater uncertainty
- Greater need for assurance and insight





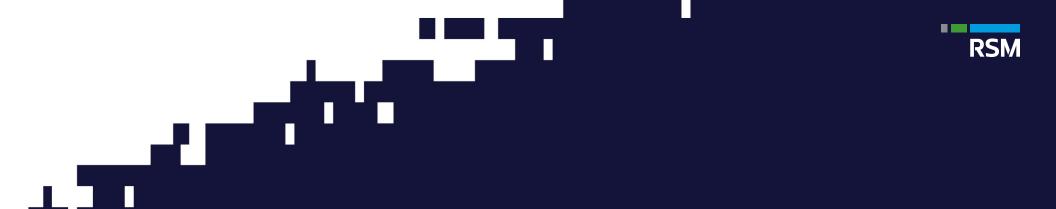


Growing exposure gap

- Fueled by the permacrisis
- Risks are emerging rapidly
- Resourcing not keeping pace
- Budget and operation implications

Source: AuditBoard Audit + Beyond Conference - Risk and Audit Transformation in the Era of Permacrisis

RSM | 16



Industry trends

2024 Industrials mega trends





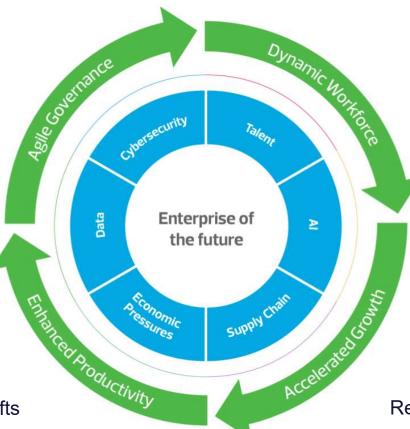
Continuing urgency of cybersecurity



Data and smart manufacturing



Economic pressures and market shifts







Rise of artificial Intelligence



Reimagining global supply chain

RSM | 18



FUUZ "The Manufacturing Platform"

How the FUUZ platform supports Digital Transformation





Why FUUZ?

Wonder why not just find an "all-in-one" solution?

Fuuz is a Platform that provides agnostic extensibility beyond what traditional all-in-one ERP's can provide.

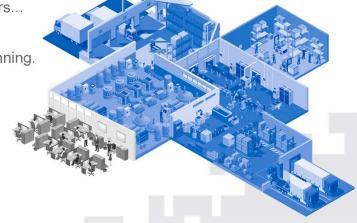
Where the all-in-one's fall down:

Inability to continue driving value to the operation after the initial deployment.

Fuuz is the only cloud-native, full SaaS provider that provides end to end flexibility and extensibility - Quickly and easily, build your own line of business apps – or get one from any of our partners...

Fuuz handles the operations side of the business, while your ERP handles the Finance/Planning.

Our platform is 100% Agnostic, any ERP, any Equipment, Any Data Source... No "Vendor Lock"...



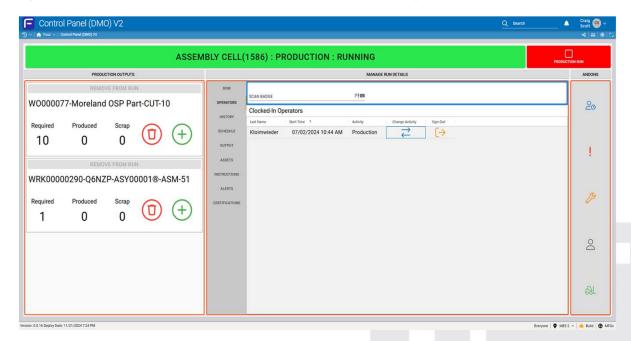


Why MES?

MES is not simply monitoring your equipment

Machine Monitoring accounts for about 10% of what a true MES can do Measuring, monitoring and collecting data is a critical part of MES – but often SMB's underestimate the full scope of MES.

- Labor Tracking
- Workcenter Efficiency
- Run Analytics
- Production / Scrap
- Batch, Discrete, Continuous
- Asset Tracking / Validation
- Training / Certifications
- Schedule Attainment



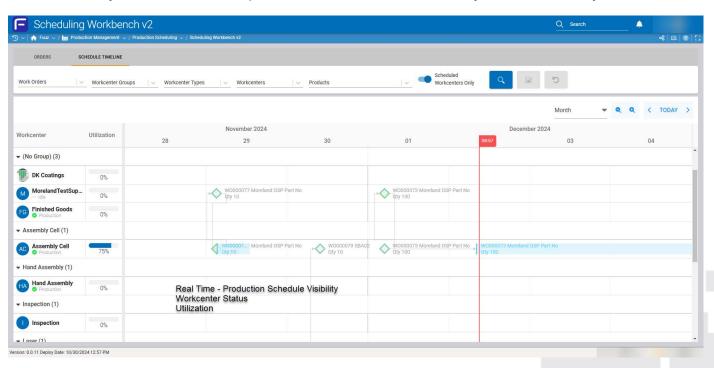


RSM | 22

Real Time Visibility

Real time systems drive real time actions and accountability

In an environment that Manufacturers struggle to attract and retain workers, enhance skills, drive efficiency through knowledge – Fuuz is that real time toolset that not only collects data – but presents to the end users in easily consumable ways.

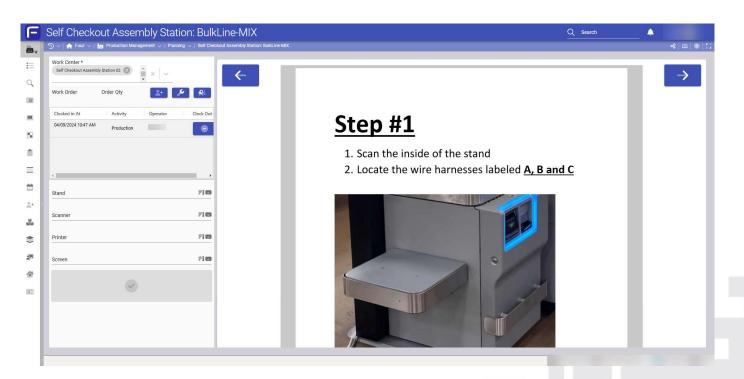




Connected Worker

Connecting your workers with real time data and instructions

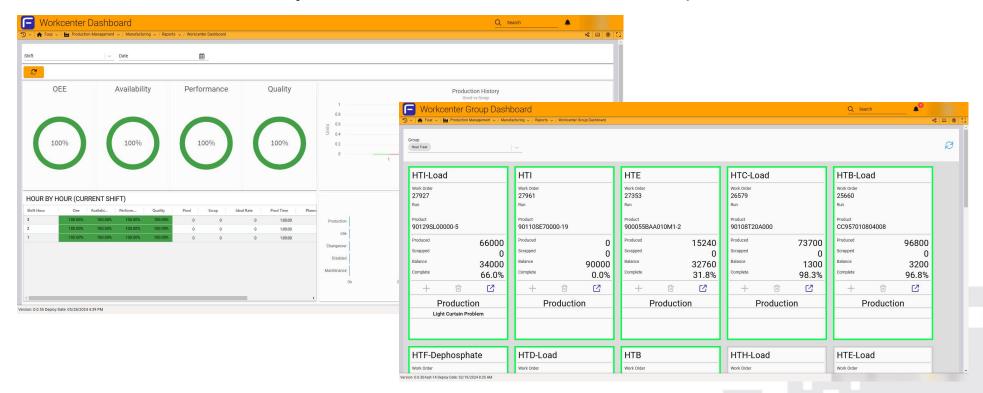
- Real Time ECR Updates
- Reduce/Eliminate Training
- Not Paper on Glass
- Process Control





What the "Buzz": Industry 4, 5, 6...

In a world filled with too many Buzz words, Fuuz offers the most comprehenisve solution





How Does MES Increase Your Value?

MES savings will pay for your ERP system and more!

Fuuz MES Advantages – One Platform, One Product!

Reduce Costs
Increase Profit, Visibility and Data Integrity

5% Improvement in OEE can increase Enterprise value 10% Effective MES deployment can justify MES + ERP!

Operator Control Panels
Minimize Downtime,
Increase accuracy, Track
Labor and nearly
eliminate training

- 45% Reduction in Downtime
- 41% Reduction in Direct Labor Costs
- 40% Reduction in Cost of Quality
- 23% Reduction in Defects, Scrap
- 22% Increase in Volume/Throughput
- 75% Increase in Analytics Availability

Increase employee engagement with next-level GUIs and Touch interface Reduce administrative costs by eliminating manual tracking



Questions and answers





THE POWER OF BEING UNDERSTOOD ASSURANCE | TAX | CONSULTING

This document contains general information, may be based on authorities that are subject to change, and is not a substitute for professional advice or services. This document does not constitute assurance, tax, consulting, business, financial, investment, legal or other professional advice, and you should consult a qualified professional advisor before taking any action based on the information herein. RSM US LLP, its affiliates and related entities are not responsible for any loss resulting from or relating to reliance on this document by any person. Internal Revenue Service rules require us to inform you that this communication may be deemed a solicitation to provide tax services. This communication is being sent to individuals who have subscribed to receive it or who we believe would have an interest in the topics discussed.

RSM US LLP is a limited liability partnership and the U.S. member firm of RSM International, a global network of independent assurance, tax and consulting firms. The member firms of RSM International collaborate to provide services to global clients, but are separate and distinct legal entities that cannot obligate each other. Each member firm is responsible only for its own acts and omissions, and not those of any other party. Visit rsmus.com/aboutus for more information regarding RSM US LLP and RSM International.

RSM, the RSM logo and the power of being understood are registered trademarks of RSM International Association.

© 2023 RSM US LLP. All Rights Reserved.