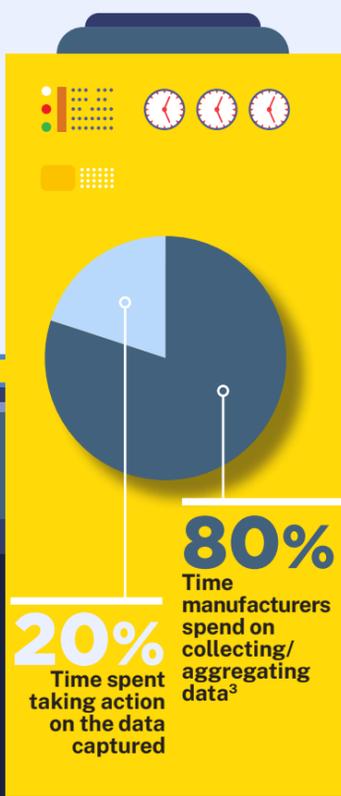


FUELING THE FUTURE OF DATA ANALYSIS IN MANUFACTURING

CGs tapping into real-time data collection on the plant floor can unlock greater efficiency and profitability

Most manufacturers are collecting data manually using pen and paper or basic spreadsheets, which intensifies inefficiencies and slows progress. **“The process is prone to errors and inaccuracies, which are naturally exacerbated during the stress of a crisis.”¹**



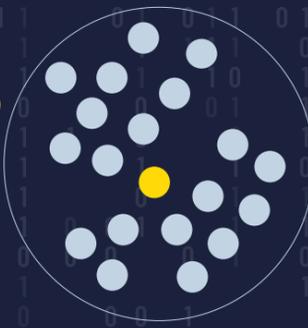
The most critical pain points in production and operation facing manufacturers are²:

- Rising costs
- Inflexible design of product lines
- Unstable quality and yield of products

20% Time spent taking action on the data captured

80% Time manufacturers spend on collecting/aggregating data³

<5% Manufacturing data collected that's actually acted upon⁴



42% CGs who cite an **inability to integrate data from multiple sources** as a top 5 analytic challenge⁵

45% CGs who believe their data management is lagging or significantly lagging compared with their direct competition⁶

68% CGs who say the same when compared with industry leaders like P&G and Unilever⁶

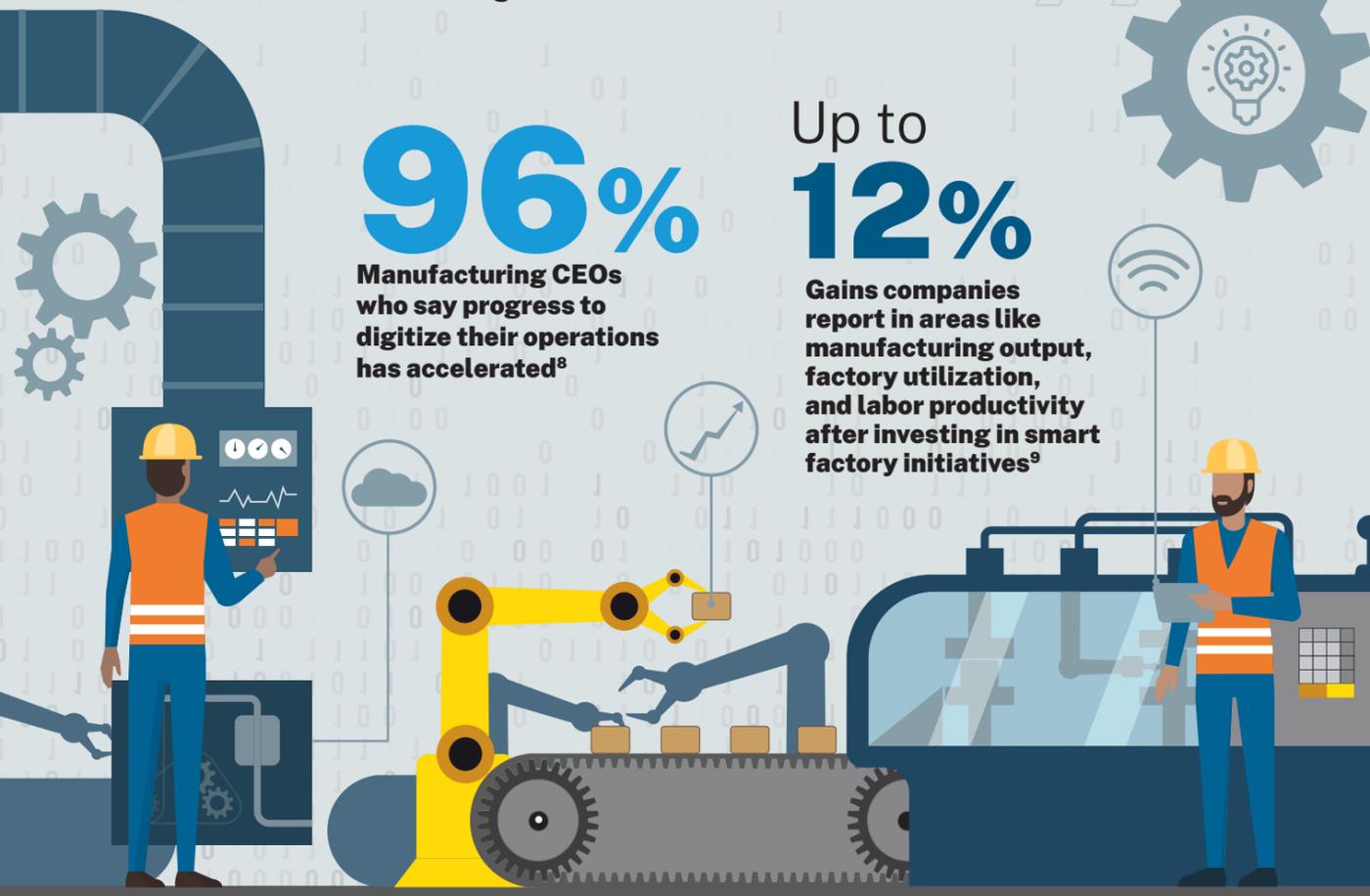
REAL-TIME COLLECTION TRANSFORMS MANUFACTURING DATA INTO ACTIONABLE INSIGHTS

Manufacturing companies have a renewed focus on transforming from efficiency-oriented operations to resilient organizations driven by a tighter connection to their markets and customers. The key component to this shift will be **maximizing the value of ever-increasing data.**⁷

— Reid Paquin, Research Director, IDC Manufacturing Insights' IT Priorities and Strategies Practice

96% Manufacturing CEOs who say progress to digitize their operations has accelerated⁸

Up to **12%** Gains companies report in areas like manufacturing output, factory utilization, and labor productivity after investing in smart factory initiatives⁹



DIGITIZING DATA COLLECTION ON THE FACTORY FLOOR REAPS BIG REWARDS FOR CONSUMER GOODS

5-15% Reduction in overpacking and overfilling CGs can record by leveraging statistical process control enabled by plant management software¹⁰

15-25% Yield improvement they can record with plant management software¹⁰

45% Boost company earnings can receive as a result of higher productivity in labor-intensive manufacturing¹¹

CASE STUDY



Blue Bell Creameries sought to improve data collection in its three manufacturing facilities, which was done often on paper or by computers — and then unused. By integrating technology to track and identify data trends across all three facilities, the company **halved the amount of time** spent finding and addressing quality issues and non-conformances.¹²

SOURCE: 1-McKinsey & Co., “Industry 4.0: Reimagining Manufacturing Operations After COVID-19”; 2- Barb Renner, Vice Chairman and U.S. Consumer Products Leader, Deloitte LLP; 3- Frost and Sullivan, “How Digital Transformation is Driving Change for Manufacturers”; 4- Frost and Sullivan, “How Digital Transformation is Driving Change for Manufacturers”; 5- CGT, “Retail and Consumer Goods Analytic Study 2021: Where Do We Go From Here?”; 6- CGT, “Retail and Consumer Goods Analytic Study 2021: Where Do We Go From Here?”; 7- IDC, “IDC FutureScape: Worldwide Manufacturing 2021 Predictions”; 8- KPMG, “Global Manufacturing Outlook 2020”; 9- Deloitte, “Manufacturing Goes Digital: Smart Factories Have the Potential to Spark Labor Productivity”; 10 - SafetyChain, “The ROI of Plant Management Software”; 11 - McKinsey & Co., “Labor-Intensive Factories— Analytics-Intensive Productivity”; 12 - SafetyChain, “How Blue Bell Creameries Uses a Data-Driven Approach to Quality Programs”

PRESENTED BY:





ROGER WOHL
Chief Technical Officer
SafetyChain

MAXIMIZING THE POTENTIAL OF DATA

REAL-TIME DATA COLLECTION DRIVES BUSINESS VALUE LONG INTO THE FUTURE

Q What are some of the most significant ways that plant management software offers ROI for consumer goods manufacturers?

Certainly folks are aware of the big expensive events like a recall that can have a huge cost in both dollars and reputation, but I'm most excited about stopping all the small ways that dollars leak from a process – these small savings really add up. Simple things like using SPC (Statistical Process Control) to optimize weights generates ROI very quickly.

Q What are some of the biggest misconceptions about going paperless, and how would you address them?

The question is not “How do I get rid of paper?” but rather “How do I maximize the value of my data?” Paper is not the problem; rather it's a symptom of a bigger systemic issue. When I see paper, I see a process that is not delivering full value to the business. The real value is unlocking your data to make it available in real time to everyone in the organization. This drives real business value both now and long into the future.

Q As the consumer goods industry faces unprecedented disruption, what do CGs risk by not investing in real-time data collection within their manufacturing facilities?

2020 really showed the world that with the right technology, you can operate things very efficiently remotely. For those on paper, the only way to learn what's happening was to walk down to the plant floor and scan the paper. However, those who invested in real-time data collection had real-time remote visibility into multiple manufacturing plants from all around the world.

Intelligence systems scanned data, spotted issues and alerted users to the problem automatically. This may not be a priority for your business, but I bet it is for your competitor!

Q Can you share any success stories for CG brands that have implemented plant management software in order to reduce factory downtime?

Think of your factory like a car: if you want to reduce downtime, you might think “OK, how do I eliminate costly engine repairs?” However, if you really looked at your car utilization data, you might discover that your biggest downtime issue is traffic: Slow-moving start and stop traffic is a far bigger loss of efficiency than occasional repairs.

These are the types of things customers find when they dig into OEE (Overall Equipment Effectiveness) data. It's not the big downtime events, but the small micro stop-starts that drain efficiency.

SafetyChain is the #1 Plant Management Platform that improves yield, maximizes productivity, and ensures compliance for process manufacturers. Trusted by over 1,500 facilities, SafetyChain is the only enterprise solution uniting production, quality, safety, and supplier management. <https://safetychain.com/>



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