

As a broad term, sustainability has different implications for different companies.

-Federation of European Risk Management (FERMA)

## Why Be Sustainable?

Ensure long-term viability and trust.

Enacting sustainable manufacturing practices helps companies structure their decision-making based on ecological and social factors. It enables you to:



- Reduce costs and generate less waste.
- Gain advantage through risk reduction and greater efficiency.
- Establish public trust and confidence in global markets.
- Ensure long-term business viability and collaboration.

## What About Data?

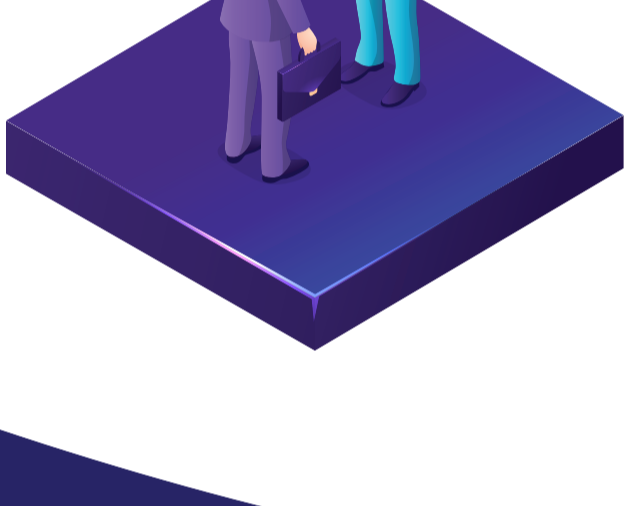
All manufacturers must harness the right data at the right time — and this is where the trouble starts.

### Data is the new water

You cannot take advantage of it if the data pipelines are clogged, fragmented, or broken. **Data is only useful when relevant and accessible at the right time or in real-time.**



**"You need Mareana's Next Gen CPV if your answer is "No." "**



Here are some data questions you must ask yourself:

- Are processes standardized across all sites?
- Is there a single source of truth for all data and analytics needs?
- Is the process to collect, digitize, integrate, exchange, and analyze data automated?
- Can you efficiently monitor critical parameters and process variations?
- Can you automatically create and publish analytics, quality, and compliance reports?

## #1 Optimize Data Governance and Management

Mareana's NextGen CPV helps remove the data hurdles that prevent you from standardizing and simplifying quality control. It enables end-to-end data connectivity, and even maintains the value and context of paper batch records across your entire product genealogy. This transforms quality control to drive improved manufacturing and business outcomes

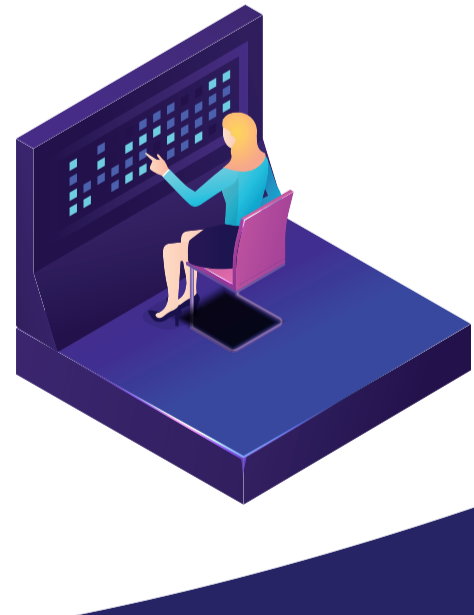
- Improve predictability.
- Increase efficiency.
- Ensure compliance.
- Reduce costs.



## #2 Standardize and Automate Processes

- Isolate and remove the bottlenecks.
- Standardize processes.
- Automate manual procedures.
- Accelerate innovation.

Leveraging Mareana's Manufacturing Intelligence and Modeling Platform, NextGen CPV helps you look at your process holistically while obtaining granular visibility into all steps.



## #3 Accelerate Innovation, Compliance, and ROI

NextGen CPV is purpose-built software for FDA Process Validation and Compliance. Improving manufacturing predictability, Mareana's AI models increase process understanding, process control, and performance.

- Monitor ongoing manufacturing and ensure consistent performance.
- Standardize processes across all sites.
- Monitor parameters in real time and predict ideal set points for optimal yield.
- Self-organizing data and unifies intelligence across all data silos.
- Extract data from paper batch records for comprehensive analysis.



**Contact a data expert to help you achieve sustainable outcomes now.**



Liquid Data. Deep Insights.



Mareana Named Among 2019 Gartner Cool Vendors in Artificial Intelligence Across the Supply Chain.



Mareana named as one of the Top 10 Smart Factory Solution Providers 2020 by Manufacturing Technology Insights Magazine.



Mareana included in list of 50 Most Valuable brands by The Silicon Review.