



# Improve Profitability:

Learn How to Make Quality Plastic  
Parts Every Time

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# AGENDA

01

Quality in Profitability

Quality isn't just a metric.

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02

Overall Equipment Effectiveness

Looking through a strategic lens.

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03

Impact of Improved OEE on Profitability

It's not just operational; it's financial.

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04

Introducing Real-Time Process Monitoring, Control, & Data Collection

The game changer.

# AGENDA

05

Strategies for Leveraging Technology

Data-driven decision making.

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06

Quality Enhancements & Cost-Efficiency

Quality enhancement is a natural outcome.

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07

Embrace Technology for Profitability

Increased OEE

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# Quality in Profitability

What's the  
significance?

Quality → Profitability  
Connection

Customer Satisfaction  
Retention  
Reputation

Reduced Waste  
Rework  
Increased Efficiency

# Overall Equipment Effectiveness



**OEE  
Components:**  
Availability  
Performance  
Quality

Measuring  
Manufacturing  
Efficiency

Role of OEE in  
Profitability

# Overall Equipment Effectiveness



## Availability

Availability takes into account Unplanned and Planned Stops. An Availability score of 100% means the process is always running during Planned Production Time.



## Performance

Performance takes into account Slow Cycles and Small Stops. A Performance score of 100% means when the process is running it is running as fast as possible.



## Quality

Quality takes into account Defects (including parts that need Rework). A Quality score of 100% means there are no Defects (only Good Parts are being produced).



## Overall Equipment Effectiveness

OEE takes into account all losses. An OEE score of 100% means you are manufacturing only Good Parts, as fast as possible, with no Stop Time.

# Overall Equipment Effectiveness

Overall Equipment Effectiveness	Recommended Six Big Losses	Traditional Six Big Losses
Availability Loss	Unplanned Stops	Equipment Failure
	Planned Stops	Setup and Adjustments
Performance Loss	Small Stops	Idling and Minor Stops
	Slow Cycles	Reduced Speed
Quality Loss	Production Rejects	Process Defects
	Startup Rejects	Reduced Yield
OEE	Fully Productive Time	Valuable Operating Time

*Reduced Downtime, Increased Availability*

*Improved Performance and Production Rates*

*Enhanced Quality, Reduced Waste*





# Real-time Process Monitoring, Control & Data Collection



Real-time Insights into Process Performance



Adaptive Process Control and Preventive Measures



Impact on OEE and Profitability

# Strategies For Leveraging Technology



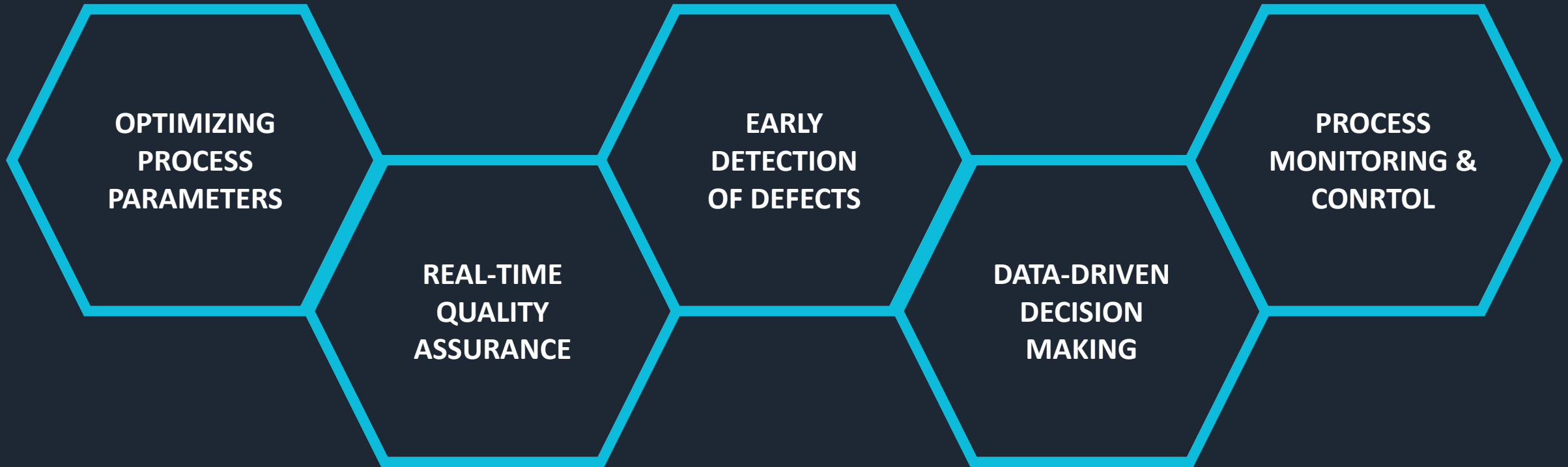
The diagram consists of three hexagonal nodes arranged horizontally, connected by a dark blue horizontal line. The first node on the left has a blue border and contains the text 'Data-Driven Decision-Making'. The middle node has a green border and contains the text 'Process Optimization with Real-time Insights'. The third node on the right has a blue border and contains the text 'Cross-Functional Collaboration'. The nodes are connected by a dark blue horizontal line that passes through the center of each hexagon.

Data-Driven  
Decision-  
Making

Process  
Optimization  
with  
Real-time  
Insights

Cross-  
Functional  
Collaboration

# Strategies For Leveraging Technology



# Quality Enhancement and Cost-Efficiency



Reduced Defects  
& Improved  
Product Quality

Enhanced  
Profit Margins

Resource  
Optimization  
& Cost Savings

# Impact on Profitability





## Embrace Technology For Profitability

*“Once a new technology rolls over you, if you’re not a part of the steamroller, you’re a part of the road.”*

– Stewart Brand



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