Knowledge Sharing Centre

Manufacturing Technology Conference 2024

Kaizen Institute

Design and Manufacturing – a seamless partnership

35 year experience and still excited MAUREEN BALSTERS





Experienced Senior Executive, with over 35 years experience in Business Transformation and Continuous Improvement.

Enthusiastic, trustworthy, loyal and result oriented with a positive mindset. Experience in Sustainable Growth, Operational Excellence and Service Excellence, as well as leading business transformations in local and global organizations. Strong communication and leadership skills. Can engage easily with all levels in the organization and develop lasting relationships from shop-floor to C-level. Experience in growing team performance through coaching, training and mentoring.

KAIZEN[™] achievements in a wide range of business processes and levels, from shop-floor improvements to strategy formulation and deployment. Experienced in working with different cultures within a global organization.



Change for the better with everyone, every day, everywhere OUR MISSION





WE HELP LEADERS: CHANGE FOR THE BETTER ACHIEVE OBJECTIVES OF PERFORMANCE IMPROVEMENT EMBED CONTINUOUS IMPROVEMENT CULTURES



To be World Class you must be World Class across the board



ZERO LOSS ACROSS THE VALUE CHAIN

Plan	Design	Sell	Make	Build	Move	Service	Return
						CUR	\bigvee
 Zero Shadow Best Sellers Forward looking against defined cadence Agile but consistent 	 Zero Shadow Success assured Vertical start up 	Zero lost deals	 Zero stock outs Zero inventory Zero defects 	 Zero safety incidents Zero defects Zero breakdowns Zero inventory 	 Zero safety incidents Zero inventory Zero delays Zero waiting 	 Zero safety incidents Zero recurs Zero DoA's 	• Zero inventory

Supply chains are hard to make work flawlessly SHARED PURPOSE

Multiple companies need to work together as we don't see many vertically integrated companies



- multiple strategies •
- multiple expertise
- multiple priorities
 multiple plannings
 - multiple values and beliefs
 - multiple P&L's

Conflicting priorities wreak havoc on customer experience



THE SOLUTION IS THERE, IT NEVER REACHES THE CUSTOMER





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Cost overruns caused by mismatch design and reality



77% OVERRUN CAUSED BY UNPLANNED NEED FOR GRILLAGE AND FRAMES FOR SEA FASTENING







Small changes are amplified in the chain



BULL WHIP EFFECT: EVERYONE LOSES



Move from zero-sum thinking ...



BIG FISH COOPERATION



- Zero-sum thinking
- Aversion to sharing data and IP
- Reliance on internal expertise

... to positive-sum thinking COLLABORATIVE SCHOOL





- Zero-sum thinking
- Aversion to sharing data and IP
- Reliance on internal expertise

- Positive-sum thinking
- Openness to pooling resources
- Access to external capabilities

We can make this transition

TOGETHER WE THRIVE



Openness Sharing Trust



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How do we get there?



FOCUS ON DESIGN – MAKE – BUILD INTERRELATIONSHIPS FIRST



Front-end decisions drive long-term results



EARLY DECISIONS CAST THEIR SHADOW FAR AHEAD

Design A Make Build

70-85% of the cost of products are **locked** in by decisions made **in the earliest** conceptual **stages**...

...but that only **8-15%** of the R&D investment is in that same period.



60-75% of companies' R&D capacity is spent on rework due to bad early

Traditional product development is plagued by rework

































Factors relating directly to TTM, Quality, Profit



QUICK SCAN



NCMS study shows enormous potential



AVERAGE SCORES



NCMS study shows enormous potential



REAL TOYOTA SCORES



What Toyota does differently

COLLABORATE ON KAIZEN[™] FOUNDATIONS





What Toyota does differently



COLLABORATE ON KAIZEN[™] CONCEPTS



Together we made it happen

TRACK RECORD KAIZEN INSTITUTE





Become world-class across the entire supply chain



BUILDING THE FUTURE TOGETHER

STRATEGIC VALUE STREAM MAP BEFORE

Build trust by building one shared perspective of reality



Become world-class across the entire supply chain



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Build trust by building one shared perspective of reality



STRATEGIC VALUE STREAM MAP AFTER

Add confidence to trust by committing to one future state



Leverage trust and confidence to deliver JOINT KAIZEN EVENTS









- Work executed in **joint teams**
- Focus on a **topic** to be **improved**
- Has a defined duration and clear goals to be achieved
- Held in **Gemba** with the **workshop team**
- Fast implementation (blitzkrieg approach)
- With follow-up of **financial benefits**
- Uses a standard methodology A3 Thinking
- Uses fast countermeasures to attain results
 with little investment / low cost

Real world benefits RESULTS

Q QUALITY

+40% +30%

Customer satisfaction Requirements delivered

C COST

+20%

Resources productivity

D DELIVERY

-50% +50% Lead time reduction

On time delivery

G GROWTH

+60% +60% **Realized sales**

Revenue from new innovative products

M MOTIVATION

-5%

Innovation & Research Teams Turnover

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These concepts WILL move you in the right direction



ARE YOU READY TO MAKE THE NEXT STEP?



Knowledge Sharing Centre

The KSC is the connector between companies from the design and manufacturing industry, which bundles knowledge in an accessible way to achieve joint growth and collaborations on a trusted basis.

Thanks for your attention





holland innovative