QUALITY IN MANUFACTURING

MOLEX CUSTOMER TESTIMONIAL

BY QUALITYLINE

Q

OVERVIEW AND OPERATIONAL MODE

WHAT MOLEX IS COVERING

Molex is a global tier 1 electronic solutions vendor to the automotive market. Among it's customers are Audi, BMW, Volkswagen and MAN Trucks & Buses. The company is present in more than 40 countries and supplies consumer electronics and medical markets as well.

This testimonial is based on the interview with Mr. Marcel Bondar, Director of Quality, Telematics & Wireless M2M at Molex.

CHALLENGES AND BUSINESS GOAL

A BRIEF SUMMARY

- Poor monitoring of the facilities and production chain visibility
- No quality monitoring on automated production lines
- 24-hour delay in data analysis, no real-time monitoring
- Need for a dashboard gathering all information and analyzing data in real-time.

- Big data packages, causing delays in delivery.
- Time consuming testing processes, impacting logistics and transportation.
- Need of a solution that would automatically integrate with all their manufacturing data worldwide to create an advanced analytics for deep diagnostics.

Molex has been using QualityLine AI technology since 2017, shortening product manufacturing time and gaining full end-to-end transparency over the whole production cycle.

NEW WAY OF PROCEEDING

SOLUTION

MADE TO MEASURE FOR MOLEX

- Major KPI reports included in the solution as well as remote monitoring of the entire chain with real-time collection of manufacturing data
- Automated Data Integration
- Full Implementation time: 2 months
- Implementation of the solution done by QualityLine's solution and dedicated team with minimal efforts required from Molex team
- Interactive analytics dashboarding system with predictive and automatic alerts of anomaly detection automatically created by the solution
- Feedback tool for better technical support
- Go-live in 1 production chain and plan to additional Molex factories

MAJOR IMPROVEMENTS

1 **ROI in 4 months**

Return on Investment (ROI) in less than 4 months.

2 **18% reduced failure rate**

Molex reduced its failure rate by 18% using QualityLine's solution.

3 **22% production capacity increase**

Production capacity improved by 22% within the first year of use.

4 **30% increase in quality and yield**

30% increase in quality and yield in the first year.

"ALL MOLEX PRODUCTION/
QUALITY MANAGEMENT
TEAMS ARE USING THE
PRACTICAL AND
POWERFUL QUALITYLINE
AI TECHNOLOGY
ON A DAILY BASIS."

MARCEL BONDAR, DIRECTOR OF QUALITY, TELEMATICS
& WIRELESS M2M AT MOLEX

OTHER KEY BENEFITS

Automated Data Integration

QualityLine's solution automatically integrates and analyses any type of manufacturing data located on any global source

Customer support

Excellent customer support, a significant advantage during travel restrictions and lockdown.

Visibility

QualityLine's dashboard provided a great visibility and ability to analyse data, improving product quality.

Productivity increase

Increase in machine and entire process capability. Production time per product is significantly shortened.

OVERALL FEEDBACK: 10/10

"QUALITYLINE AUTOMATICALLY CREATED THE ANALYTICS WITH ALL THE MOST IMPORTANT FEATURES OUR COMPANY NEEDED. WE WERE VERY IMPRESSED HOW THE TECHNOLOGY BRINGS EVERYTHING AVAILABLE IMMEDIATELY FOR AN ACCURATE AND QUICK ROOT CAUSE ANALYSIS."

QUALITYLINE DEVELOPS THE VISION TO SEE OPPORTUNITIES OF IMPROVEMENT IN DIGITAL MANUFACTURING

MORE TO COME

MOLEX DECIDED TO EXTEND THE COOPERATION WITH QUALITYLINE

Manufacturing process transfer

QualityLine's tool will be used in Molex's manufacturing process transfer.

Expansion

Potential expansion of use case and monitoring of the entire manufacturing chain.

New features

Molex will introduce a worldwide solution based on cooperation with QualityLine.

CONTACT US

REQUEST <u>HERE</u> A LIVE DEMO
OF QUALITYLINE'S SOLUTION

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