iDACS at Work
For a Leading Automotive
Component Manufacturer
to Upgrade their Factory
to Industry 4.0

About Customer

Our customer is a leading manufacturer of Automotive safety parts from India, supplying parts to the automobile OEMs in India as well as other countries, catering to the light vehicles, commercial vehicles, and the off-highway segment. They have over 7000 dedicated employees supplying systems and components to global OEM's.

Business Challenges

In the event of field complaint, customer pulls all the data manually from records, validates the 4M (Machine, Manpower, Material and Method) to identify the complaint. Hence, they were looking for a tightly integrated software solution to track their lots.

Every OEM complaint lead to suspecting the complete lot of one shift which is close to 1200 in number resulting in credibility loss, time & money wastage

Customer Expectation

Automated recording of data for each part from all the production lines

Restricting the OEM suspect to single-digit number

Upgrading the factory to Industry 4.0 and making the factory smarter and more competitive

Our Solution

Motherson Technology Services Limited implemented iDACS, an IoT based Product Suite to overcome the customer pain areas. To have a clarity on the genealogy of the part, complete traceability solution from iDACS is incorporated which defined the product's end-to-end manufacturing process to give a clear genealogy of the part at an atom level

To address the material traceability, each child part lot movement is tracked from GATE IN to GATE OUT.

To address the process related issue, the parameter data is collected for each part to analyse what went wrong

Having tight integration with the machines, additional checks & measures like route enforcement, Master sample validation, etc, are incorporated to bring in more controls to the process

Benefits

iDACS captured the process parameters of each assembly and validated with the standard values and replaced the manual data capturing with machine integration and captured automatically. It created a single path to capture the complete details of a part, which facilitated the tracking of Performance, child parts used, etc.

Ensured **zero Capex** by facilitating no additional investments in upgrading or replacing the Hardware.

Productivity improvement by **20%**
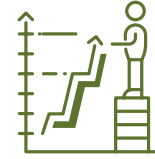
Return of Investment (ROI) achieved in less than **1 year**

About Us

Founded in 1975, Motherson Group is an industry leader and one of the world's largest manufacturers of components for ther automotive and transport industries. The group's diversified portfolio makes it a complete solutions provider across the globe. Motherson Group serves its customers with a wide array of products and services through multiple business divisions including wiring harness, vision systems, modules and polymer, technology & software, aerospace, health & medical, logistics, retail and metal products. Motherson Technology Services is a global technology company that offers a consulting-led approach with an integrated portfolio of industry leading solutions that encompass the entire enterprise value chain. Our technology-driven products and services are built on two decades of innovation, with a future focused management philosophy, a strong culture of invention and co-innovation, and a relentless focus on customer-centricity. A CMMI Level 5 company, we have delivered best-in-class services to 430+ clients in 41+ global locations across all continents. We are a business division of Motherson Group, one of the largest manufacturers of components for the automotive and transport industries worldwide with 150,000 employees across the globe.

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