Fueling a Zero Harm Culture with **Application Innovation**

About Koppers

Koppers is a leading integrated global producer of carbon compounds, chemicals and treated wood products for the aluminum, railroad, specialty chemical, utility, rubber, steel, residential lumber and agriculture industries. Headquartered in Pittsburgh, Pennsylvania, Koppers serves its customers through a comprehensive global manufacturing and distribution network, with facilities located in North America, South America, Europe, Australia and New Zealand. With a focus on Protecting What Matters and Preserving the Future, Koppers is committed to a Zero Harm culture that strives to place the care of employees, environment and communities first at all times.

Industry
Chemicals Manufacturing

Employee Size
1001 - 5000

Founded
1998

Headquarters
Pittsburgh, Pennsylvania

> Motifworks was the ideal company because they had the flexibility to adjust timing, budget, plans and ideas. They brought in a variety of talent, resources and skillsets that could be scaled up or down as we needed. We knew they would deliver.

Tushar Lovalekar
Vice President of IT
Koppers Inc.

Business Challenges : Data Consolidation and Utilization

As a company, Koppers is well known for its Zero Harm Culture of keeping the care and protection of people, environment and communities above all else. In Early 2020, Koppers decided to align Information Technology with the company's Zero Harm team to better capitalize on the pivotal role that technology plays in all aspects of **protecting our people, communities and environment.**

This change resulted in a number of innovative ideas, leading to significant improvements in safety and efficiency company wide. One example of this is the development of Koppers Fleet Safety Dashboard.

While working to protect and preserve with a **focus on sustainability,** Koppers team members were actively working to mine their incoming data to help further their Zero Harm culture. However, they were struggling to **consolidate the data** that they were receiving from multiple sources.

Data about safety, drivers, speed, employee files and many other sources was being manually sorted into over fifteen spreadsheets that would then be distributed to upper-level executives and management. The team instead wanted to be able to **gather meaningful insights** at the click of a button.

This was clearly a dauting task, so Koppers made the decision to bring in a trusted partner to help develop a way to consolidate the data to provide instant access and results in a user-friendly platform.

This would allow the company to establish metrics, improve safety, increase awareness, and provide a platform that would allow upper-level executives to **access all the necessary data instantaneously and effortlessly.**

> We were impressed with Motifworks' willingness to make changes during the process. They were able to bring new ideas to the table and helped us improve and adjust the dashboard as the process progressed.

Beau VanDyke
Director - Global Safety & Health
Koppers Inc.

Motifworks Solutions

Fleet Safety Dashboard

*The Motifworks team worked to create the Fleet Safety Dashboard. This unique dashboard **consolidated data** about driver safety, speeding, equipment utilization, drive time, inspections, service violations, and more.*

- The dashboard data consolidated in one location, but it can now be easily sorted, narrowed down, and made accessible to those who need it most.

- Data was effortlessly transformed into **accessible metrics, which became actionable items.** Koppers employees can now track the many metrics necessary for improvement and understand the value of those metrics to meet company goals.

- This allows the company to keep communities safe with safe driving and safe equipment, while also working towards improved environmental sustainability by monitoring diesel usage, idle time and reduced emissions.

- Resource allocation can now be addressed since the company can determine whether it should purchase additional resources like Auxiliary Power Units (APU) based on the idle time of vehicles.

- The transparency provided by this dashboard allowed business units to view each other's progress and **set positive examples for the drivers and employees,** creating a drive to improve as individuals and as a unit.

- Additionally, there was more clarity into what managers and executives were looking for from drivers, creating a **two-way communication within the company.** Multiple company business units, including executives, managers, and drivers, can easily operate as a whole with the transparency provided by the dashboard.

- The company could also **easily understand the FMCSA score,** which relies heavily on equipment and inspections, because they can see exactly how often inspections are performed and any service violations.

Moving forward, Koppers can utilize this dashboard to find leading indicators to target precursors to actual incidents. When they reduce speeding events there are less at-risk driving events, such as hard brakes and hard corners. They hope to use the data to show trends so they can be alerted of possible hazards and problems.

Results

Less Accidents, Safer Drivers, Happier Communities.

56%
Decrease in Hours of Service violations

20%
Decrease in speeding events

Increased transparency within company

Increased productivity of back-office operations

Real-time decision making

Increased awareness of driver safety behaviors

About Motifworks

At Motifworks, we are AZURESMART. We are one of the fastest-growing cloud solutions providers, specializing in Cloud Adoption, Application Innovation, and Effective Data Strategies. As a trusted partner, we provide strategy, design and implementation using cloud technology to achieve business objectives. We create effective solutions to help firms become true digital businesses.

We leverage Azure Cloud Platform to help you drive business value and expedite digital transformation resulting in reduced cost by up to 40% and faster time to market. Motifworks simplifies your path to explore what's possible.

Microsoft
Partner of the Year Finalist
Application Innovation

INC 5000
Fastest-growing Company
3 years in a row

Microsoft Partner

Gold Cloud Platform
Gold Application Development
Gold Data Analytics
Gold Data Platform
Silver Security

Microsoft