



CASE STUDY

The cloud-based Gate Management System (GMS) automates Process Safety Monitoring for a Steel Manufacturer.

Quick Summary

Facing challenges in monitoring critical parameters, a steel manufacturer turned to CRG Solutions. By implementing the Process Safety Dashboard, CRG Solutions enabled real-time monitoring, prompt corrective actions, and root cause identification. This led to improved incident response, reduced turnaround time, and a proactive safety culture, enhancing process safety through data analytics and visualization tools.

About the Customer

A prominent steel manufacturer from India, renowned for its extensive steel manufacturing processes in various plants, faced the challenge of monitoring a vast amount of critical parameters across different manufacturing processes, which hindered their ability to ensure safe operating conditions and limits. This prompted them to seek a solution for real-time monitoring, prompt corrective actions, and root cause identification to enhance process safety within the organization.

Problem Statement:

The company faced the challenge of monitoring a vast number of critical parameters across different steel manufacturing processes at various plants. The absence of a centralized monitoring system made it difficult to quickly detect deviations from safe operating conditions and limits.

CRG Solutions - CASE STUDY

Solution:

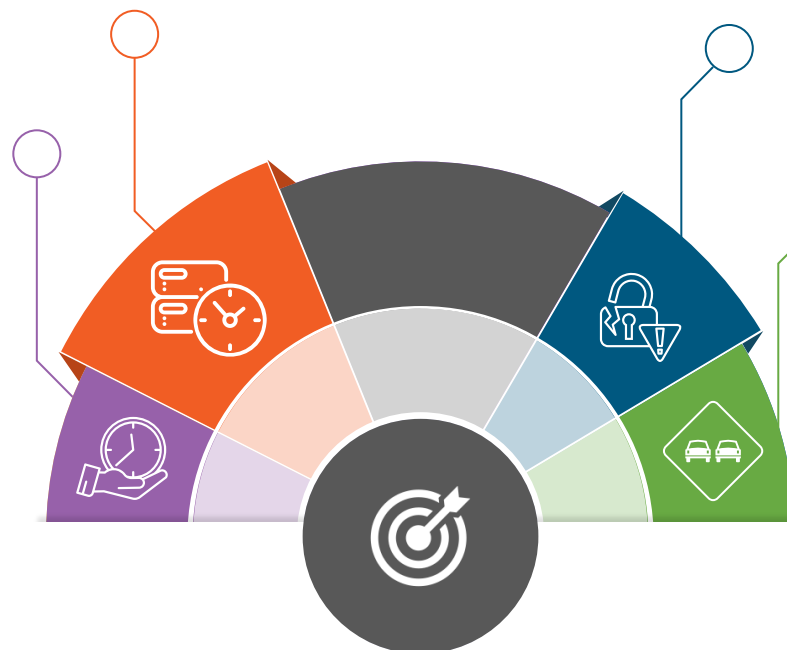
The steel manufacturer collaborated with CRG Solutions to implement a cloud-based gate management system (GMS) that automated the entire process of managing incoming and outgoing people and vehicles, while also providing insights and data to improve security and visitor management. CRG Solutions collaborated with the Safety and Hazard Control Department to implement a Process Safety Dashboard. We designed the dashboard to monitor data from over 3000 tags across various processes, offering real-time insights into safe operating conditions (SOC) and safe operating limits (SOL).

Business Benefits:

Real-Time Monitoring: The dashboard facilitated real-time monitoring, allowing for prompt corrective actions when safety incidents occur.

Root Cause Identification: The Process Safety Dashboard enabled the identification and recording of root causes for safety incidents.

Reduced Turnaround Time: The implementation of the Process Safety Dashboard significantly decreased the time required to address major safety and hazard incidents.



Enhanced Safety Management: Tata Steel's Safety and Hazard Control Department leveraged the dashboard to improve overall safety and hazard management.

A Trusted Solution Partner

to achieve

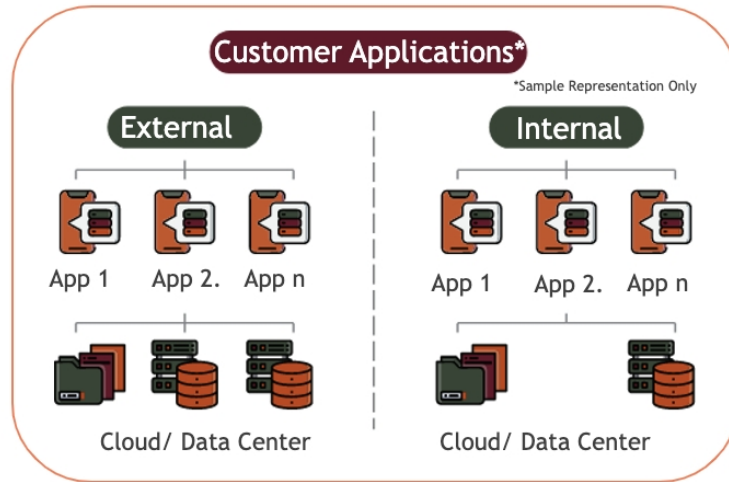
Business Excellence

About CRG solutions

We Cover

Analytics

We setup practices, tools to derive insights (customers, products, apps, teams) to enhance or optimize business effectiveness with the help of products like Tableau, Alteryx, PowerBI, Cloud and MLOPs



RPA

We automate all high volume and mundane tasks to reduce manual errors and to increase efficiency with the help of products like AA (Automation Anywhere), Yellow.ai

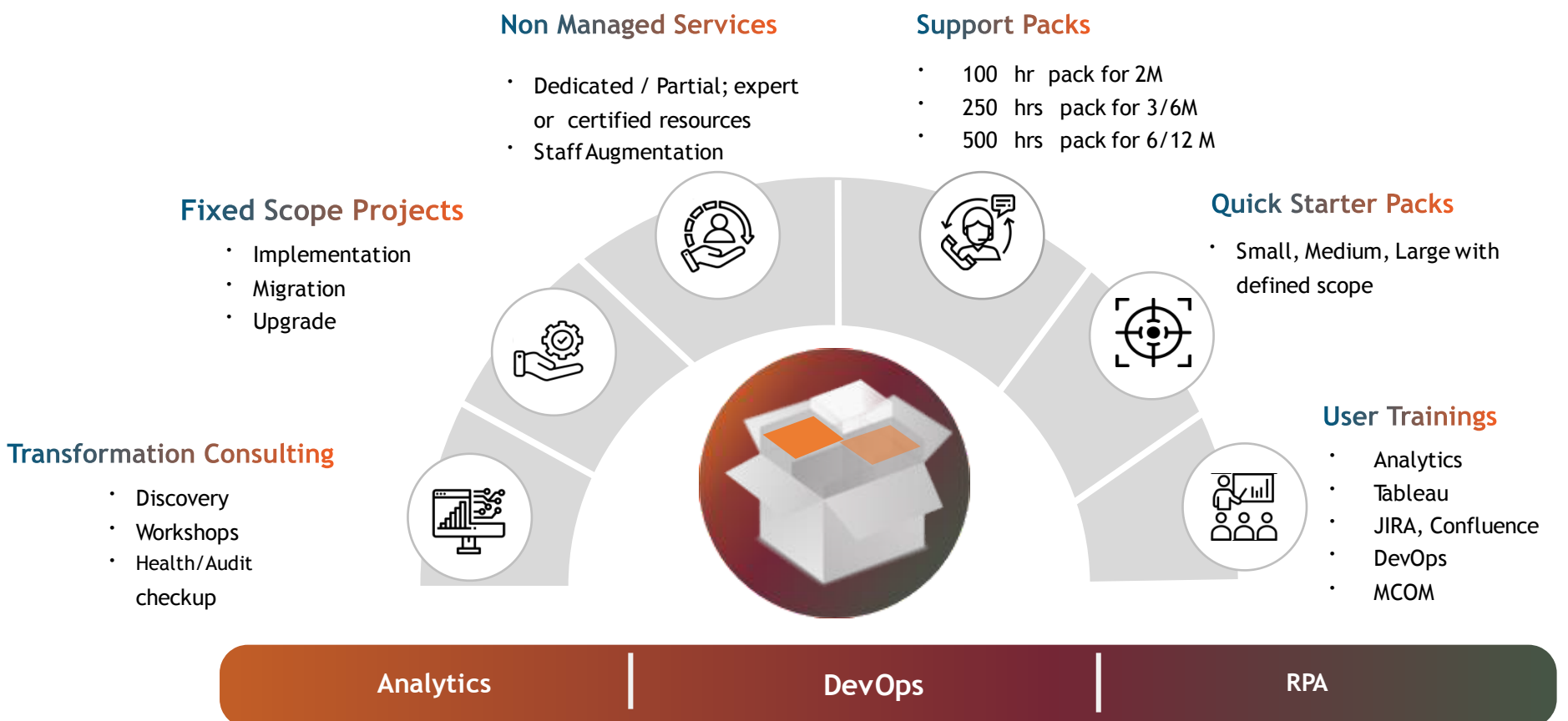


DevOps

We help streamline the application development and maintenance processes with custom project management practices and implementation of world class software tools like JIRA, Azure DevOps, Azure Cloud to improve team productivity



Services Portfolio



Our Socials



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