



P2D
TECHNOLOGY SERVICES

GSK

PROTOTYPE BUSINESS INTELLIGENCE SOLUTION FOR GSK



CHALLENGES

GSK faced significant challenges in monitoring the global movements of raw materials used in pharmaceutical production, particularly with cold chain materials that impacted reaction yields.

Key issues included:

- Inefficient manual data entry processes
- Fragmented data consolidation across multiple centres
- Inaccurate data reporting
- Limited visibility into the supply chain and manufacturing processes
- Ensuring the integrity of temperature-sensitive materials throughout the supply chain

SOLUTION

P2D Technology Services developed a prototype Business Intelligence (BI) solution for GSK that integrated GPS track and trace technology. This innovative solution aimed to streamline the monitoring and reporting of raw material movements, including temperature-sensitive cold chain materials, and manufacturing processes.



KEY FEATURES:

- **GPS Track and Trace:** Enabled real-time tracking of raw materials, including cold chain materials, from suppliers to manufacturing facilities.
- **Cold Chain Monitoring:** Integrated temperature sensors to ensure the integrity of temperature-sensitive materials, crucial for maintaining reaction yields.
- **Volume and Weight Monitoring:** Automated monitoring and reporting of volumes and weights of raw materials at various stages of the supply chain and manufacturing process.
- **Yield Output Reporting:** Provided detailed insights into yield outputs from manufacturing and packaging processes.
- **Data Integration:** Reduced the need for manual data entry and consolidated data from multiple sources into a single, unified system.
- **Enhanced Reporting:** Increased accuracy and timeliness of data reporting, facilitating better decision-making.

BENEFITS

The implementation of the BI solution with GPS track and trace technology delivered several significant benefits to GSK:

- **Improved Visibility:** Provided comprehensive visibility into the supply chain, allowing for real-time monitoring of raw material movements, including cold chain materials.
- **Increased Accuracy:** Automated data collection reduced errors associated with manual data entry, leading to more accurate and reliable reporting.
- **Operational Efficiency:** Streamlined data integration and reporting processes, reducing the reliance on multiple data consolidation centers.
- **Enhanced Decision-Making:** Accurate and timely data reporting enabled GSK to make informed decisions, improving overall operational efficiency.
- **Integrity of Cold Chain Materials:** Ensured temperature-sensitive materials were maintained within required conditions, positively impacting reaction yields.
- **Cost Reduction:** Reduced administrative overheads associated with manual data entry and consolidation.

OUTCOME

The prototype solution developed by P2D Technology Services successfully demonstrated the potential to transform logistics reporting within GSK's supply chain and manufacturing processes. By leveraging GPS track and trace technology, including the monitoring of cold chain materials, the solution enhanced the accuracy and efficiency of data reporting, providing GSK with critical insights into their operations. This innovative approach set the foundation for further advancements in GSK's data management and reporting capabilities.

Contact us to learn more about how P2D Technology Services can develop customised business intelligence solutions to enhance your operational efficiency and data accuracy.

Together, we can drive innovation and achieve remarkable results.



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