CASE STUDY

Enhancing supply chain efficiency for a leading entity in energy industry

Quick Summary

Optimal Path Analytics significantly transformed the Energy Company's approach to supply chain management. By integrating predictive and descriptive analytics, the initiative not only streamlined delivery processes but also fostered better customer relationships and operational reliability. CRG showcases this as a testament to the strategic impact of analytics in optimizing key business operations and achieving comprehensive improvements.

About the Customer

A leading entity in the energy industry recognized the need to streamline its supply chain operations, particularly focusing on the purchase order-to-delivery process. To this end, the energy company implemented "Optimal Path Analytics," an initiative employing both predictive and descriptive analytics to refine and enhance supply chain performance.

The main goal of Optimal Path Analytics was to utilize advanced analytical techniques to reduce delivery times, decrease the frequency of overdue shipments, and ultimately optimize the entire supply chain process.

The initiative aimed to improve operational reliability and elevate customer satisfaction levels through timely and efficient delivery services.

Problem Statement:

Before Optimal Path Analytics, the energy company grappled with several supply chain management challenges:

- **Inconsistent Delivery Timelines:** Fluctuating delivery times caused significant disruptions in downstream operations.

- **Elevated Overdue Delivery Rates:** A considerable number of deliveries were not meeting their scheduled timelines, adversely affecting customer trust and operational efficiency.

- **Insufficient Real-Time Insights:** The absence of timely data on delivery statuses made it challenging to manage the supply chain effectively.

Solution:

Optimal Path Analytics encompassed a wide range of strategies, including:

- **Predictive Delivery Models:** Employ predictive analytics to forecast potential delays and optimize delivery schedules based on historical data and trends.

- **Descriptive Time Bracket Analysis:** Analyze overdue deliveries by categorizing them into specific time brackets to identify systemic issues and target improvements.

- **Dynamic Monitoring and Adjustment:** We leveraged real-time data to monitor delivery processes and make immediate adjustments as needed.

The implementation of optimal path analytics yielded significant improvements:

- **Improved Delivery Accuracy:** Predictive modeling helped standardize delivery times, greatly improving the supply chain's accuracy and reliability.

- **Reduced Overdue Deliveries:** Strategic insights from descriptive analytics led to a measurable reduction in overdue deliveries.

- **Enhanced Operational Efficiency:** Real-time monitoring allowed for agile responses to supply chain challenges, streamlining operations.

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Business Benefits:

Detailed Profit Center Analysis: Granular insights into each profit center facilitated targeted operational improvements.

Vendor Management Optimization: Improved analysis of vendor performance data refined vendor relations and performance metrics.

Delivery Performance Enhancement: On-time delivery rate improved to 87%, reflecting significant enhancement from previous levels.

Operational Improvements: Analytics provided actionable insights for overall operational enhancements.
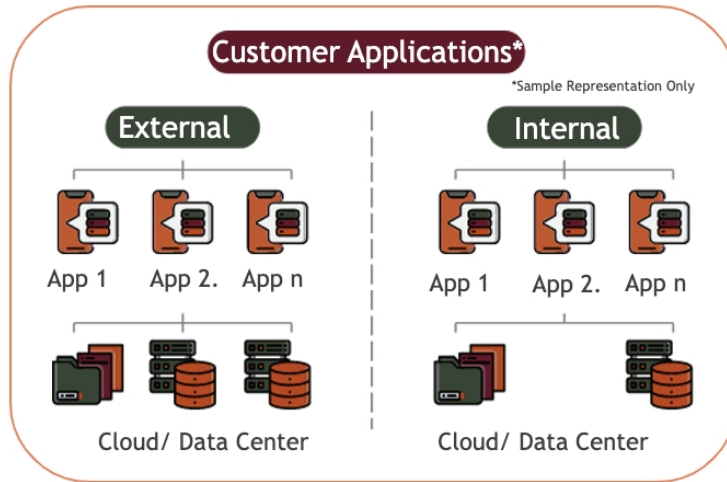
A Trusted Solution Partner

to achieve

Business Excellence

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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

+ableau   alteryx

Microsoft   USEReady
WE EMPOWER PEOPLE TO SUCCEED WITH DATA

Customer Applications*
*Sample Representation Only

External

App 1   App 2.   App n

Cloud/ Data Center

Internal

App 1   App 2.   App n

Cloud/ Data Center

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
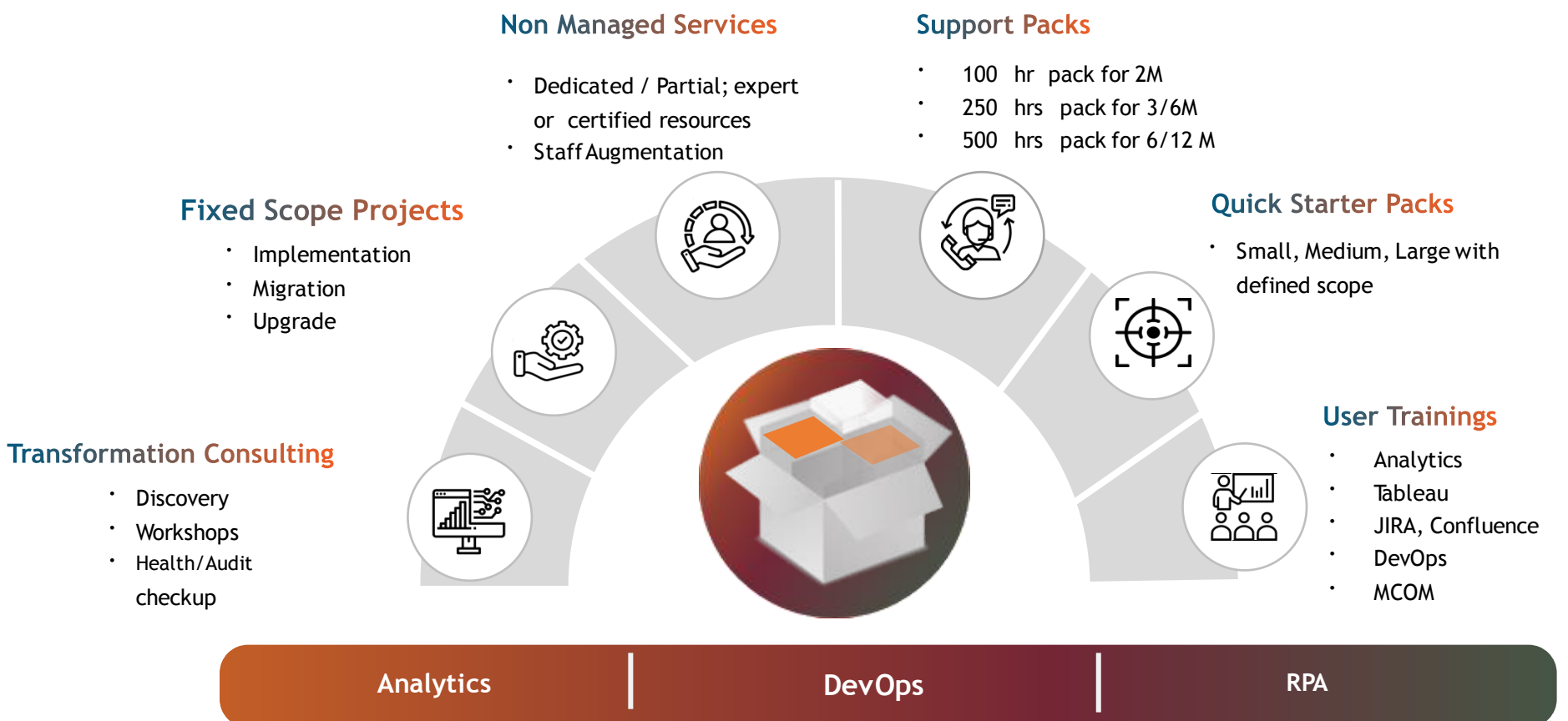
AUTOMATION ANYWHERE   yellow.ai

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

ATLASSIAN   Microsoft

Services Portfolio

Non Managed Services
- Dedicated / Partial; expert or certified resources
- Staff Augmentation

Support Packs
- 100 hr pack for 2M
- 250 hrs pack for 3/6M
- 500 hrs pack for 6/12 M

Fixed Scope Projects
- Implementation
- Migration
- Upgrade

Quick Starter Packs
- Small, Medium, Large with defined scope

Transformation Consulting
- Discovery
- Workshops
- Health/Audit checkup

User Trainings
- Analytics
- Tableau
- JIRA, Confluence
- DevOps
- MCOM

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