Global Transport Management - Reporting & Analytics

Europe Headquartered Global Logistics Major

Customer Profile An international courier, package delivery and express mail service,. The company delivers over 1.5 billion parcels per year **Domain** Logistics **Business Area** Reporting & Analytics **GEO** EMEA **Technical Environment** Azure Data Factory, Azure Data Lake Storage, Azure SQL Data Warehouse, Azure Active, Directory Azure Analysis Services, Azure Automation, Power BI, VSO, Azure ML, R	**Project Description**	• All LOBs feel a lack of BI capabilities, to have consolidated view of the company data of different regions (America, Europe, China) • Business users wanted global data to be available at different level for the reporting • No consistent platform available for reporting • Currently reports are at the region level • Manually it is been merged to show at the global level • Currently lot of teams involved in preparing the reports, consuming time and effort • Business looking for a scalable solution to solve immediate and future implementations of more regions
	HCL's Solution	• HCL provided End to End development and Production for 2 Regions • HCL Proposed Complete Microsoft Azure Stack based solution • Common Datawarehouse to store the data from Different region • Semantic layer which consolidates different region data in to a single dataset for the reporting • Region /Global KPI created on the semantic layer • Self Serving Power BI reporting on top of semantic layer • Role level Security implemented in report • Security implemented with Azure active directory
	Benefits / Value Added	• Clear BI architecture & governance that ensures durable, flexible capabilities and data that anticipates the business need • Agile BI delivery process that accelerates incremental ROI • Enhanced Self-service that empowers the business through discoverable, process-aligned reporting and visualization • Real-time Performance Management that enables granular transparency to the pulse of the business execution Optimization and prediction

Support Methodology ASM 2.0

~100 Apps

~150

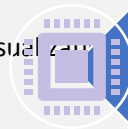Segregated   Integrated

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Global Transport Management - Data visibility tool

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Customer Profile

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Domain

Logistics

Business Area

Reporting & Analytics

GEO

EMEA

Technical Environment

Azure Data Factory, Azure Data Lake Storage
Azure SQL Database, Azure Active Directory
Azure Analysis Services, Azure Automation
Power BI, VSO, Azure ML, R

Project Description

- Implement OMS principles requires to consolidate all transport system data with near real time (less than 15 minutes)
- Not all sites / region uses the common system.
- Difficulties to bring single view of consolidated fleet, driver and asset data
- Leverage current IT investments and infrastructure for building solution.
- Driver hierarchy below site level not available
- Data standardization
- Business needs scalable solution to adopt any regions in future.

HCL's Solution

- HCL Proposed solution based on customer IT standards and supported cloud services which ease the support process.
- Power BI reports are refreshed less than 15 minutes which brings more value to business.
- Power BI models are deployed through azure devops pipeline for better tracking.
- Decouple model and report from Power BI, enables business to build their own reports.
- Hierarchy based security model integrated with Azure Active Directory.
- Data are stored in corp. data lake which will be utilized other business units can consumes and govern centrally.

Benefits / Value Added

- Robust design and Scalable architecture for global roll out.
- Driver and Asset team productivity by providing near real-time and intuitive fleet visibility information.
- Continuous analytics for better planning and ability to deliver on time, every time. Near Real-time fleet KPIs & monitoring
- Best in class user experience for operations and management. Design thinking and Agile, Deveops ways of working

Support Methodology ASM 2.0

~50 Apps

**4 Onsite
2 Offshore**

Segregated   Integrated

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