

INDUSTRY TALK 1: DATA ANALYTICS, INFRASTRUCTURE & SAP

Insights from PPG Malaysia Technology Center



Executive Summary: This industry talk featured PPG, a Fortune 500 leader, showcasing their digital transformation. The session covered the migration to SAP S/4HANA, the 'Plan, Build, Run' infrastructure framework, and the critical role of Data Analytics in bridging the gap between academic theory and industrial reality.

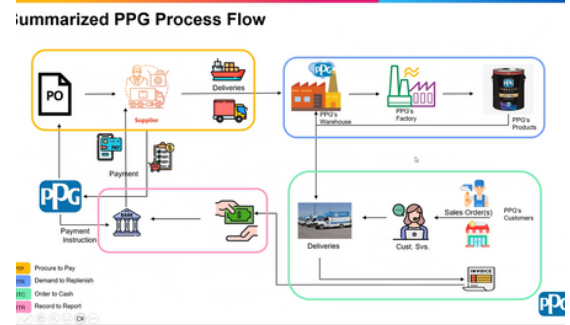
1 Introduction

PPG operates in 70+ countries with \$15.8 billion in sales, requiring a massive IT backbone. The Malaysia Technology Center (MYTC) in Subang Jaya serves as a global hub, driving the 'Connect PPG' digitization initiative



2 Content of talk

"PPG's core business runs on SAP. The system connects the entire supply chain—linking suppliers, factories, and banks into one unified process flow."



"Global IT follows the 'Plan, Build, Run' framework. This ensures that IT services are strategically planned and maintained for 24/7 availability."

How is PPG Global Infrastructure Organized?

Plan, Build, Run is a conceptual framework that categorizes departments – within the global IT organizational structure – into common functional teams.



PLAN

Teams responsible for interfacing with PPG business partners to plan and evolve the Global IT strategy



BUILD

Teams responsible for building and adapting the IT services and structures to meet the business demand



RUN

Teams responsible for keeping services and structures running properly to meet the needs of end users



3. REFLECTION

"This talk changed our perspective on ICT. We learned that Integration is Key—a single system connects raw materials to final payments. The comparison between 'Academic Exercises' and 'Industry Reality' motivated us to look beyond simple coding; we must learn to handle complexity and scale to provide the agility companies need."



Arnob,A23cs4038



Fares,A23cs4046



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	University - Assignment	Industry - Real World System
Data Size	Small, clean datasets (e.g., CSV files with 1,000 rows)	Huge, messy datasets (terabytes in cloud storage)
Complexity	Simple Queries	Complex joins, partitioning, performance tuning
Execution	Run queries locally, single script	Distributed processing (Databricks, Spark)
Stakeholders	Individual assignment	Collaboration with data engineers, data analyst, business team