OVERVIEW OF PPG, DATA ANALYTICS, INFRASTRUCTURE, SAP
TECHNOLOGY AND INFORMATION SYSTEM (SECP1513)

INTRODUCTION
PPG is a global organization specializing in paints, coatings, and specialty materials

CORE IDENTITY AND VALUES

PPG operates globally, driven by a set of core principles known as The PPG Way. These values emphasize partnership with customers to create mutual value, working as "One PPG" globally, trusting their people, making things happen, running the business like they own it, and striving to do better every day.

BUSINESS SCOPE AND STRUCTURE

PPG's products protect and enhance many of the world's best-known products and landmarks, from cars and planes to devices, homes, and offices. The strategic business is organized into three main segments:
• Global Architectural Coatings (~25%)
• Performance Coatings (~35%)
• Industrial Coatings (~40%)
-Digital and Future Focus

A key area of focus is digital transformation and data-driven decision-making. PPG is actively modernizing its operations through the Connect PPG S/4 Transformation, an enterprise-wide program implementing a Global Template using SAP S/4HANA to move toward a connected, agile, scalable, and competitive future state.

SUMMMARY

PPG faces significant challenges in leveraging data for business growth and efficiency due to fragmented systems, immature data management, and resistance to centralization. To enable data-driven decision-making, strategic investment is required in reducing complexity, centralizing data assets, empowering teams, and committing to continuous optimization.

Central to this transformation is the Connect PPG S/4 Transformation, an enterprise-wide program to implement a global SAP S/4HANA template. This initiative aims to standardize processes and modernize systems, moving PPG from a disconnected and complex state toward a future that is connected, agile, scalable, and competitive.

Supporting this shift is an evolving IT infrastructure adopting a multi-cloud strategy, autonomous operations, and a zero-trust security model. Concurrently, PPG is building critical internal capabilities in key data analytics skills–such as cloud platforms, programming, and DevOps– to fully harness its data assets and drive the business forward.

CONTENT

1. **Digital Evolution Strategy**
• **The Purpose :** "We protect and beautify the world" through renewable technologies

• **The Target by 2030 :** Validated science based targets by including 50% reducing in GHG emissions, 15% reduction in water intensity and etc.

• **Investment in STEM** : Approaching $11.5M totally invested globally for education and $5.5M for talented students who want pursue advanced STEM studies.

2. **Digital Evolution Strategy**
• **Data Driven Decision Making :** Transform fragmented and complex data to readable and efficient centralised using Data Lakes and Master Data.

• **Multi - Cloud Approach** : Utilizing Azure, Aws, Oracle to make sure the data is secured, scalable regional compliance

3. **Global IT Infrastructure**
• **Structured Framework :** A proper organised structured system dividing IT into strategic, service, data operations.

• **Future Trends :** Increase efficiency by improving on autonomous infrastructure, AI Driven operations such as AIops and Zero Trust Security Model

REFLECTION

Attending the industrial talk by PPG really opened our eyes to see how Information and technology actually runs in a large company that operates globally. We got to see how some systems such as data analytics platforms, cloud services and monitoring tools are used to handle real industrial works such as supply chain, factory operations and customer services. What impressed us the most was how everything is connected and decision making becomes more faster and accurate with these systems around. This talk also made us as a team realize the importance of having strong skills like cloud knowledge,data handling and cybersecurity. This skills could help us succeed in this industry. Overall,the talk motivated us to start improving ourselves in these key areas and to better understand what we are learning now as it could be really useful for our future careers.

MEMBERS

• KISYORRAN A/L GUNASEKARAN
  A25CS5023
• SASHWIN A/L RAJAGOPAL
  A25CS5031
• BONG JING RU
  A25CS5040
• SOFEA QISTINA BINTI AHMAD FATHUL JOHARI
  A25CS5025
• GAN ZHI KWAN
  A25CS5008