

PPG DIGITAL IT: MALAYSIA TECHNOLOGY CENTER

Introduction

PPG, a global leading manufacturer of paints, coatings, and specialty materials with \$15.8 billion in sales, operates in over 75 countries through various segments, including its Digital IT Center in Malaysia, which features a Supply Chain Control Tower that underscores PPG's commitment to digital solutions. The company focuses on sustainability, aiming to achieve its 2030 goals while actively supporting communities through initiatives like Colorful Communities and STEM education. PPG emphasizes a culture of partnership, continuous improvement, innovative R&D, and talent development, ensuring industry leadership and fulfilling social and environmental responsibilities.

Executive Summary

PPG explained the strategic integration of digital systems to achieve operational excellence and sustainable growth. The session provided a direct bridge that connected academic concepts of digital transformation with practical business applications. Besides, the session highlighted the requirements, the essential data analytics competencies, the strategies for global IT infrastructure, introduction of SAP integrated enterprise system and forward-looking perspective in technological evolution.

The content of talk included:

Emphasizing crucial skills needed for a **Data Analytics Center of Excellence (CoE)**, highlighting the importance of programming languages like Python and SQL, diverse data types, and database design, specifically dimensional modeling for supply chain control towers. It contrasts the simplicity of academic queries with the nuanced problem-solving obligations in the industry.

The **structure of PPG Global Infrastructure** is elaborated, underscoring the team's involvement in global IT strategy, regional infrastructure management, and architecture governance. This includes developing IT services such as applications, cloud solutions, and core infrastructure to maintain global operational service frameworks for users across Europe and the US, necessitating expertise in cloud architecture, cloud platform engineering, and internet security.

The document also examines **future IT infrastructure trends**, providing insights into potential developments. Additionally, it introduces **SAP (System Analyse Programmmentwicklung)**, discussing its advantages across various dimensions and summarizing the **SAP process flow within PPG**.

Reflection

As a team, watching the video helped us gain a clearer understanding of how IT and data analytics function in large organizations. The speakers explained the importance of skills like Python, SQL, data modeling, and supply chain analytics in solving real industry problems. We also learned about PPG Global Infrastructure and how their IT services are structured across different regions, highlighting the need for cloud expertise and strong security practices. The introduction to SAP and future technology trends was especially insightful. Overall, the video improved our knowledge, expanded our perspective, and gave us a better appreciation of how IT supports business on a global scale.



YANG KAH HIN
A25CS0167



SOUBEDIYA ALI
A23CS4029



NIK DINI AIRIL ADRIANAA
BINTI NIK ZAINUDIN
A25CS0120



MUHAMMAD ADLAN HUD
BIN AIS
A25CS0259

INTRODUCTION

PPG is a global leader in paints and coatings with USD 19.5B revenue, operating in 70+ countries. The Digital IT Center in Malaysia supports global operations through supply chain systems, cybersecurity, and digital transformation. PPG promotes continuous innovation, STEM development, R&D, and sustainability as part of its corporate responsibility.

EXECUTIVE SUMMARY

This industry talk gave us a clear understanding of how PPG utilises digital technology to support global operations and business efficiency. The session highlighted data analytics, automation, and enterprise platforms as key drivers of performance and decision-making.

Key Insights:

- Python, SQL, cloud computing & data modelling are core digital skills.
- Data analytics improves accuracy, speed and problem-solving.
- SAP unifies business processes and enhances supply chain visibility.
- Digital transformation strengthens operational growth & future readiness.

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REFLECTION

The session gave us deeper insight into how ICT supports global business operations, especially through data analytics, cloud systems, and enterprise integration. We now understand how skills such as Python, SQL, data modelling, and cloud platforms help organisations make faster and more accurate decisions. Learning about SAP and global IT infrastructure showed how systems connect to streamline workflows and maintain consistent performance across regions. This knowledge broadened our perspective on digital transformation and inspired us to develop strong technical skills for future roles in the technology industry.

THE CONTENT OF TALK INCLUDED:

1
Data Analytics & Skills
Focused on essential skills for a Data Analytics CoE including Python, SQL, data types, database design, and dimensional modelling for supply chain optimisation. Highlighted the shift from simple academic queries to real industry problem-solving.

2
Global IT Infrastructure
Explained PPG’s global IT strategy, governance, and regional infrastructure management. Covered IT services such as cloud applications, platform engineering, and secure operational frameworks across Europe and the US.

3
Future Trends & SAP Integration
Examined emerging IT infrastructure trends and future development opportunities. Introduced SAP, its advantages for process integration, and how it streamlines business data flow across PPG.



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