

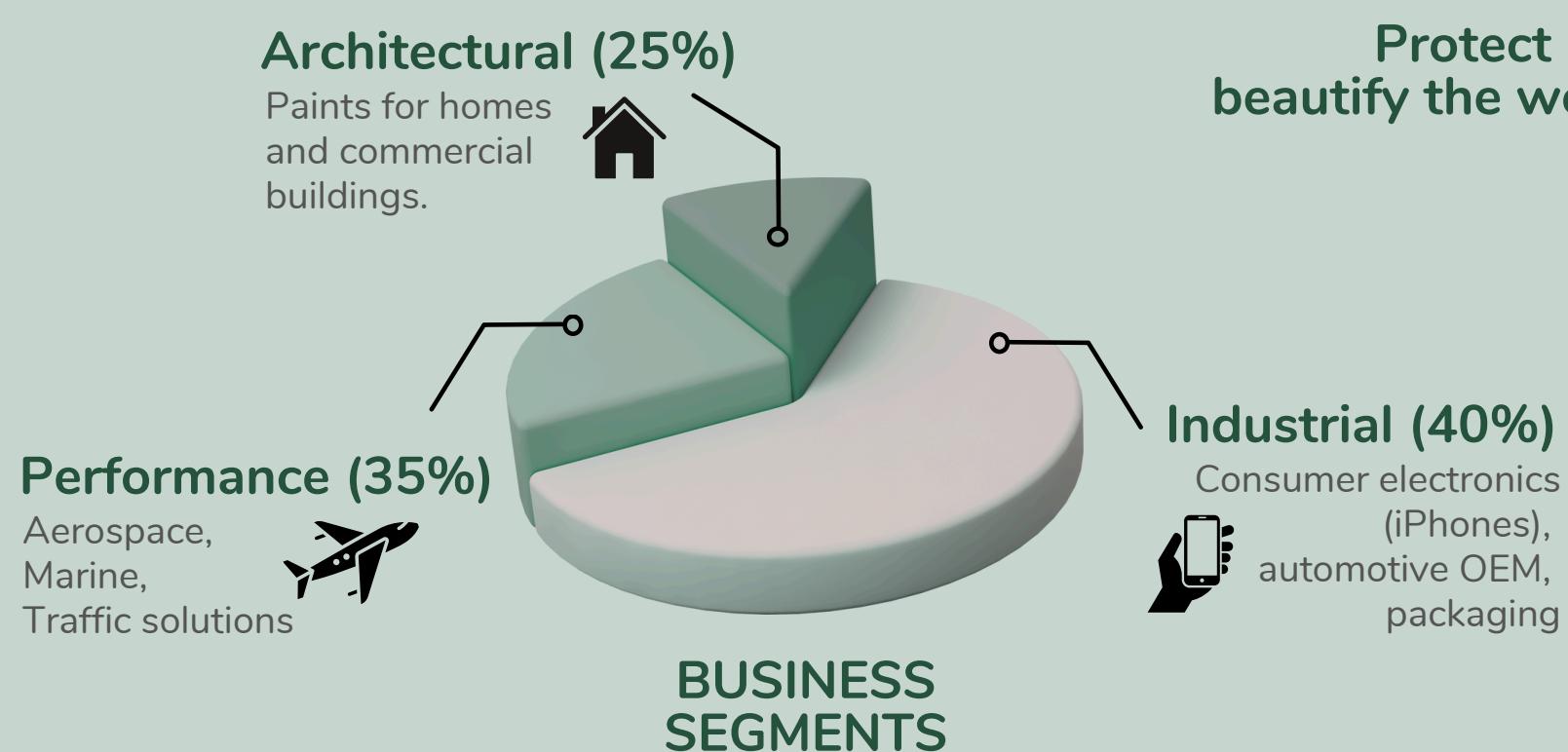
PPG INDUSTRIAL TALK 1

Sustainability | Safety | Community

Operating in 70 countries

\$15.8B Sales

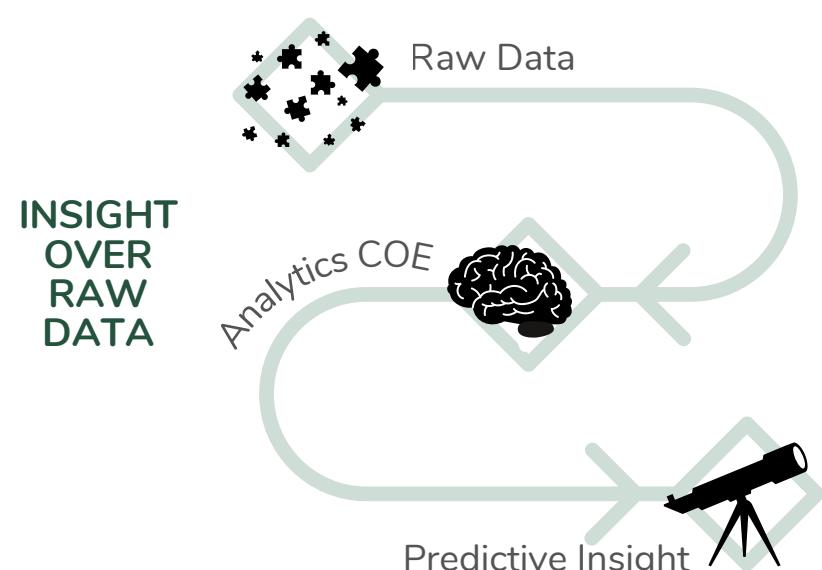
Ranked #234 on Fortune 500 Company



Protect and beautify the world
Founded in 1883

Data Analytics COE

Turning Data into Value



Innovation 1



Innovation 2



- Predicts bio-fouling risks → Saves Fuel and Costs
- Identifies single-supplier risks → Protects Revenue

Essential Skills

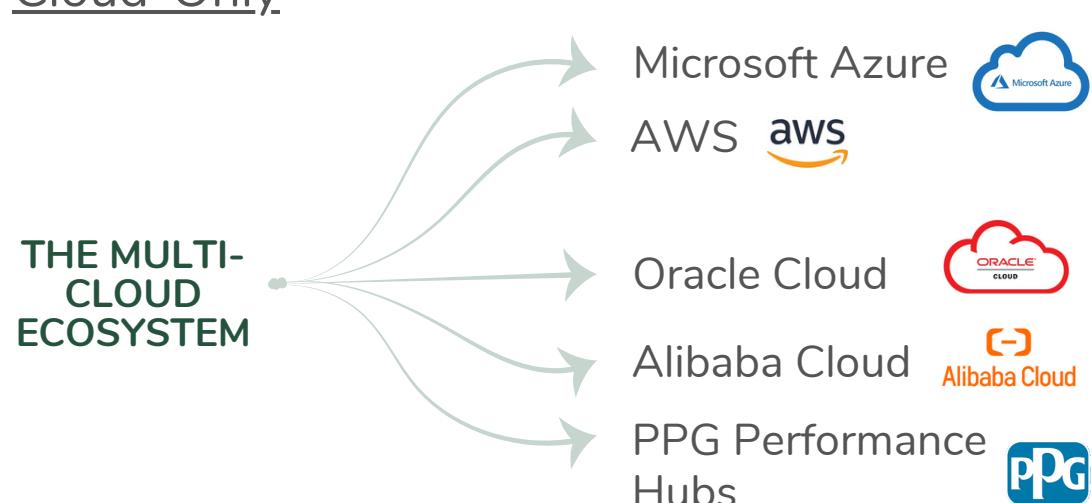
SQL, Power BI, Star Schema

Master Data, ERP, Data Lake, MLOps

Team Pillars

Global Infrastructure

Cloud-Only



Future IT Trends

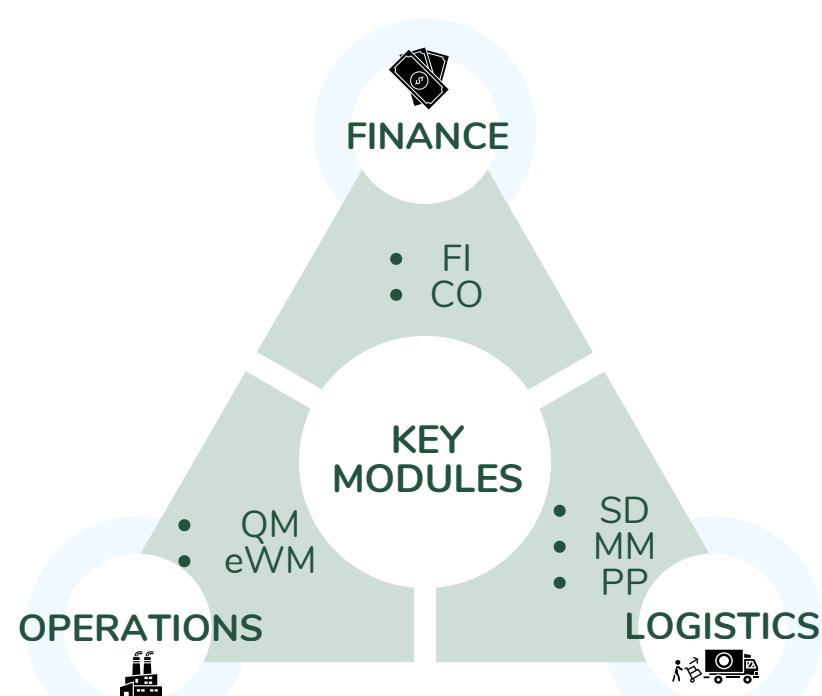
- Autonomous Infrastructure
- Zero-Trust Security
- AIOps
- Edge Computing

Key Tools & Skills

- Security: Palo Alto, VPN, Zero-Trust.
- Network: Cisco, SD-WAN.
- Engineering: Terraform, Python.

SAP Operations

the central Enterprise Resource Planning (ERP) system



PPG PROCESS FLOW

Procure to Pay (PTP) : Buying materials

PO → Supplier → Payment

Order to Cash (OTC): Selling products

Sales Order → Factory → Delivery → Billing

Record to Report (RTR)

- Recording all financial data for reporting



Moving from the older SAP ECC system to the modern SAP S/4HANA



Migrating systems to AWS Cloud for better scalability



Creating a connected, real-time digital enterprise

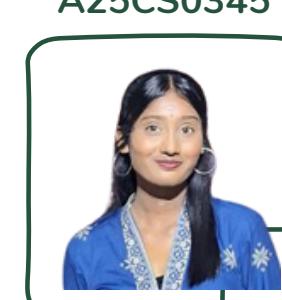
Executive Summary

PPG is a Fortune 500 global coatings leader with **\$15.8 billion** in sales, operating across 70 countries with a mission to "protect and beautify the world" through its **Industrial, Performance, and Architectural** segments. To support this scale, PPG employs a **"Cloud-Only"** infrastructure strategy utilizing a multi-cloud ecosystem (AWS, Azure, Alibaba) and Zero-Trust security. The business backbone is **SAP**, currently migrating to **S/4HANA**, which integrates critical global flows like Procure-to-Pay and Order-to-Cash. Driving future value, the **Data Analytics COE** transforms raw data into predictive insights such as the **Marine Hull Navigator**, to optimize efficiency and mitigate supply chain risks 3-6 months in advance.

This talk highlighted that ICT is a strategic business driver, not just technical support. We gained insight into how transforming raw data into predictive value and maintaining global connectivity are essential for operational success. This motivates us to bridge the gap between academic coding and industrial scale, mastering technologies that solve complex, real-world challenges.

Group 4

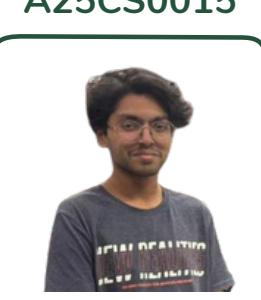
Santhya Ravichandran A25CS0345



Anchalee Anon A25CS0194



Muhammad Yasir Nawaz A25CS0015



Siti Zulaikha binti Abdul Razid A23KM0250



Nilima Rahman A24CS4107

