

TITLE: DATA ANALYTICS, INFRASTRUCTURE & SAP (PPG DIGITAL IT)



INDUSTRY TALK 1

INTRODUCTION

PPG IS A COMPANY THAT MANUFACTURES COATINGS, CHEMICALS, AND SPECIALITY MATERIALS, WITH OVER 140 YEARS OF HISTORY AND OPERATION IN MORE THAN 70 COUNTRIES. IN 2024, PPG HAVE ACHIEVED \$15.8 BILLION IN SALES AND RANKED IN THE FORTUNE 500 LIST. PPG ALSO RECOGNIZED BY TIME, CALLUP, MSCI ESG(AAA), AND FTSE4GOOD FOR EXCELLENCE AND SUSTAINABILITY.



Our Guest Speakers



SYSTEM ANALYSE PROGRAMMENTWICKLUNG (SYSTEM ANALYSIS PROGRAM DEVELOPMENT/SAP)

• SAP VS ERP

ENTERPRISE RESOURCE PLANNING MODULE (ERP)

-HELPS ORGANIZATIONS STREAMLINE AND INTEGRATE THEIR CORE BUSINESS PROCESSES

SYSTEM ANALYSE PROGRAMMENTWICKLUNG (SAP)

-BACKEND TOOLS FOR DEVELOPING, CUSTOMIZING, AND MANAGING THE SAP SYSTEM'S ARCHITECTURE, INCL. BASIS, PI (PROCESS INTEGRATION), ABAP (ADV. BUS. APPL. PROGRAMMING)

• PROPERTIES OF SAP

SAP IN PPG(SAP COE OPERATIONS STREAM)

-DTR (DEMAND TO REPLENISH)
-OTC (ORDER TO CASH)
-PTP (PROCURE TO PAY)
-RTR (RECORD TO REPORT)

PPG SSC OFFICE & PLANT IN MALAYSIA

1.PETALING JAYA PLANT
2.SHARED SERVICES CENTER

MYTC INTERNSHIP PROGRAM BY YEAR

1. INTERN INTAKE BY YEAR

-LOWEST IN 2019

-HIGHEST IN 2025

2. INTERN CONVERSION TO FTE

-LOWEST IN 2019

-HIGHEST IN 2025

PPG DIGITAL IT - CAREER & LEARNING

1. INDUSTRY PROFESSIONAL MENTOR

2. CROSS FUNCTIONAL EXPERIENCE

3. WORK ON GLOBAL PROJECT IN REAL TIME

4. JOIN PPG AS FULL TIME EMPLOYEES

PPG (STRATEGY/GLOBAL IT INFRASTRUCTURE/FUTURE-PROOFING)

PPG HAS SET AMBITIOUS 2030 SUSTAINABILITY TARGETS FOR A 50% REDUCTION IN SCOPE 1 & 2 EMISSIONS AND A 30% REDUCTION IN SCOPE 3 EMISSIONS. IT'S COMMITTED TO 100% REUSE, RECYCLING, OR RECOVERY OF PROCESS WASTE, A 25% REDUCTION IN WASTE INTENSITY, AND A 5% ANNUAL REDUCTION IN ITS SPILL RELEASE RATE. IN ADDITION, PPG ENSURES THAT 50% OF ITS SALES COME FROM SUSTAINABLE PRODUCTS AND THAT 100% OF ITS EMPLOYEES GO HOME SAFELY EVERY DAY. ONE OF ITS MOST IMPORTANT GLOBAL INITIATIVES IS THE COLORFUL COMMUNITIES PROGRAM, WHICH WILL TURN 10 YEARS OLD IN 2025. SINCE LAUNCHING THE PROGRAM IN 2015, PPG HAS UNDERWRITTEN \$15MM IN COMMITMENTS, COMPLETING CLOSE TO 600 PROJECTS IN MORE THAN 50 COUNTRIES TO DATE-ALL WITH A SUSTAINABILITY COMPONENT.

PPG'S PAINTS AND COATINGS PROTECT AND BEAUTIFY PRODUCTS FOUND AROUND THE GLOBE IN MANY, VARIOUS CONSUMER MARKETS: LANDMARKS, CONSUMER ELECTRONICS, AEROSPACE, AND AUTOMOTIVE. ITS STRATEGIC BUSINESSES ARE DIVIDED AMONG THREE SEGMENTS: ABOUT 40% IN INDUSTRIAL COATINGS, 35% IN PERFORMANCE COATINGS, AND 25% IN GLOBAL ARCHITECTURAL COATINGS. MASTER DATA, ERP ANALYTICS, DATA LAKE ANALYTICS, AND MLOPS ARE PARTS OF PPG DATA AND ANALYTICS IN SUPPORTING BUSINESS OPERATIONS. THE ANALYTICS TEAM HAS EXPERTISE IN PROGRAMMING LANGUAGES, DATA VISUALIZATION, ELT, DEVOPS, AND DATABASE DESIGN. THE COMPANY PRIDES ITSELF ON ITS DIVERSE WORKFORCE: GLOBALLY, 41% ARE FEMALE AND 59% ARE MALE, WHILE IN MALAYSIA, 173 EMPLOYEES ARE MALAYSIAN, 17 ARE INDIAN, AND 4 ARE OF OTHER NATIONALITIES.

PPG'S GLOBAL IT INFRASTRUCTURE IS STRATEGICALLY ARRANGED AROUND THREE CORE FUNCTIONS: PLAN, BUILD, AND RUN. THE PLAN FUNCTION DEVELOPS GLOBAL IT STRATEGY WITH BUSINESS PARTNERS; MANAGES REGIONAL INFRASTRUCTURE ACROSS EMEA, APAC, AND USCA; OVERSEES ARCHITECTURE DESIGN; AND HANDLES MERGERS AND ACQUISITIONS. THE BUILD FUNCTION COVERS HOW IT SERVICES ARE ADAPTED TO THE NEEDS OF THE BUSINESS, INCLUDING APPLICATION SERVICES LIKE ORACLE DATABASES, CLOUD COE CAPABILITIES IN AUTOMATION AND FINOPS, WORKPLACE SERVICES ENCOMPASSING VIRTUAL DESKTOPS AND IDENTITY INFRASTRUCTURE, AND CORE INFRASTRUCTURE SUCH AS SERVER OS AND NETWORKING. THE RUN FUNCTION CONCERN'S SEAMLESS OPERATIONS THROUGH GLOBAL SUPPORT TEAMS, SERVICE DESKS, OPERATION CENTERS, AND PERFORMANCE ANALYSIS. PPG HAS ADOPTED A MULTI-CLOUD STRATEGY, UTILIZING VMWARE/AWS FOR IAAS IN EUROPE AND THE US, AZURE FOR IAAS AND CLOUD-NATIVE APPS ACROSS MULTIPLE REGIONS, ORACLE CLOUD FOR LICENSED APPLICATIONS IN USCA, AND ALIBABA CLOUD FOR CHINA-BASED WORKLOADS, UTILIZING PERFORMANCE HUBS TO ENABLE SHARED SERVICES BETWEEN REGIONS. KEY SKILLS MAINTAINED WITHIN THE INFRASTRUCTURE TEAM INCLUDE CLOUD ARCHITECTURE, PLATFORM ENGINEERING, NETWORKING, SECURITY, AND DATABASE MANAGEMENT. MOVING INTO THE NEXT PHASE, PPG HAS CENTERED ITS ATTENTION ON KEY EMERGING TRENDS: CLOUD MIGRATION, AUTONOMOUS INFRASTRUCTURE, AI-DRIVEN OPERATIONS, ZERO-TRUST SECURITY, EDGE COMPUTING, AND CONTINUOUS BUSINESS ADAPTATION TO MAKE CERTAIN THAT THE IT CAPABILITIES ALIGN WITH STRATEGIC GOALS.

REFLECTION

FROM THIS TALK, WE UNDERSTAND HOW PPG LINKS ITS BUSINESS OPERATIONS WITH DIGITAL INNOVATION. THEIR STRATEGY IS BASED ON GLOBAL TRENDS OF MAKING INDUSTRY PRODUCTION EFFICIENT AND RESPONSIVE. IT ALSO MOTIVATES US TO UNDERSTAND THE ROLE OF IT AND DIGITAL TECHNOLOGIES IN MAKING THE GLOBAL MARKET COMPETITIVE.

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