Agile Project Management Implementation in Real Life

Guest Lecturer by Deptha Bagus Oc, S.Kom

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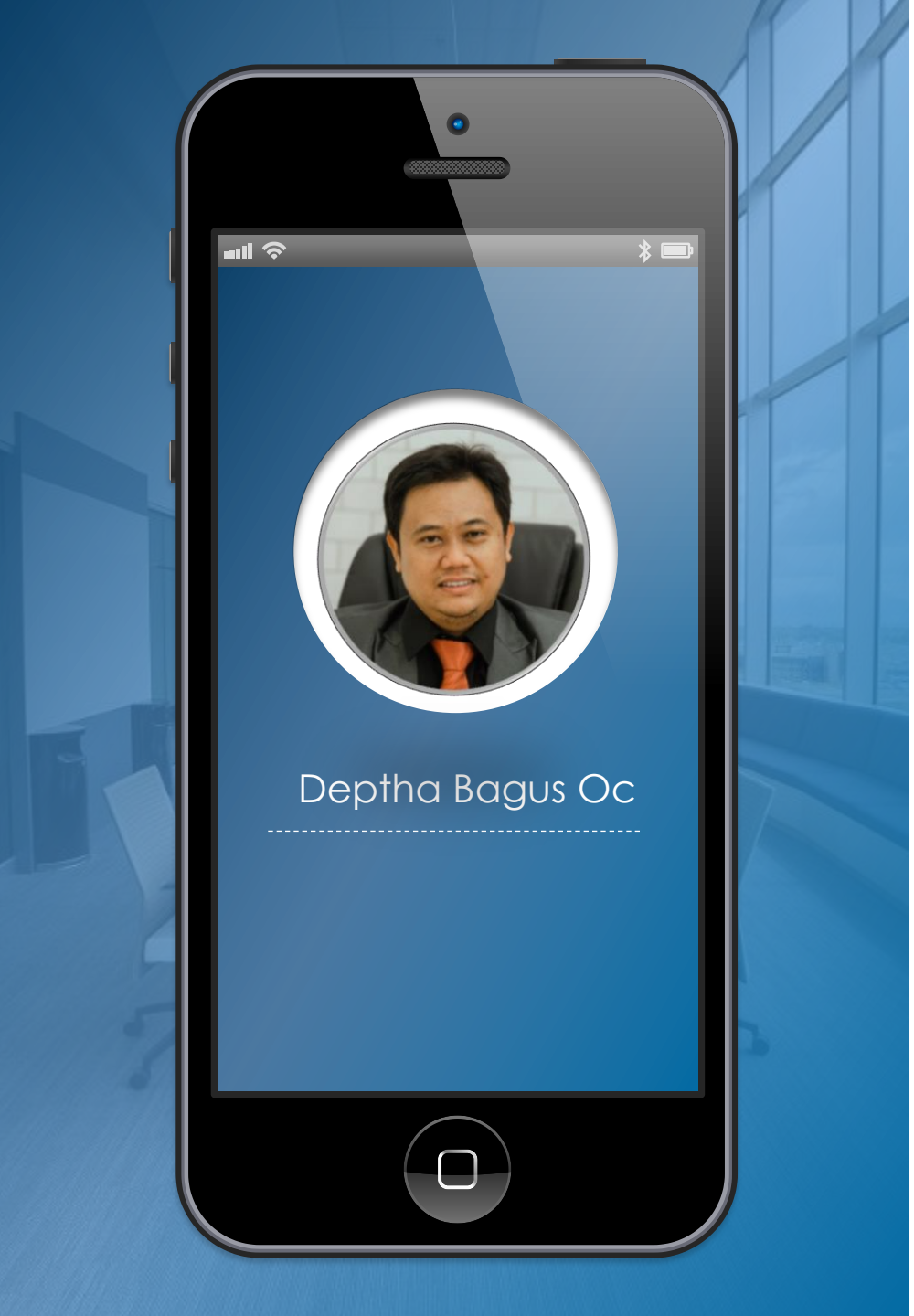
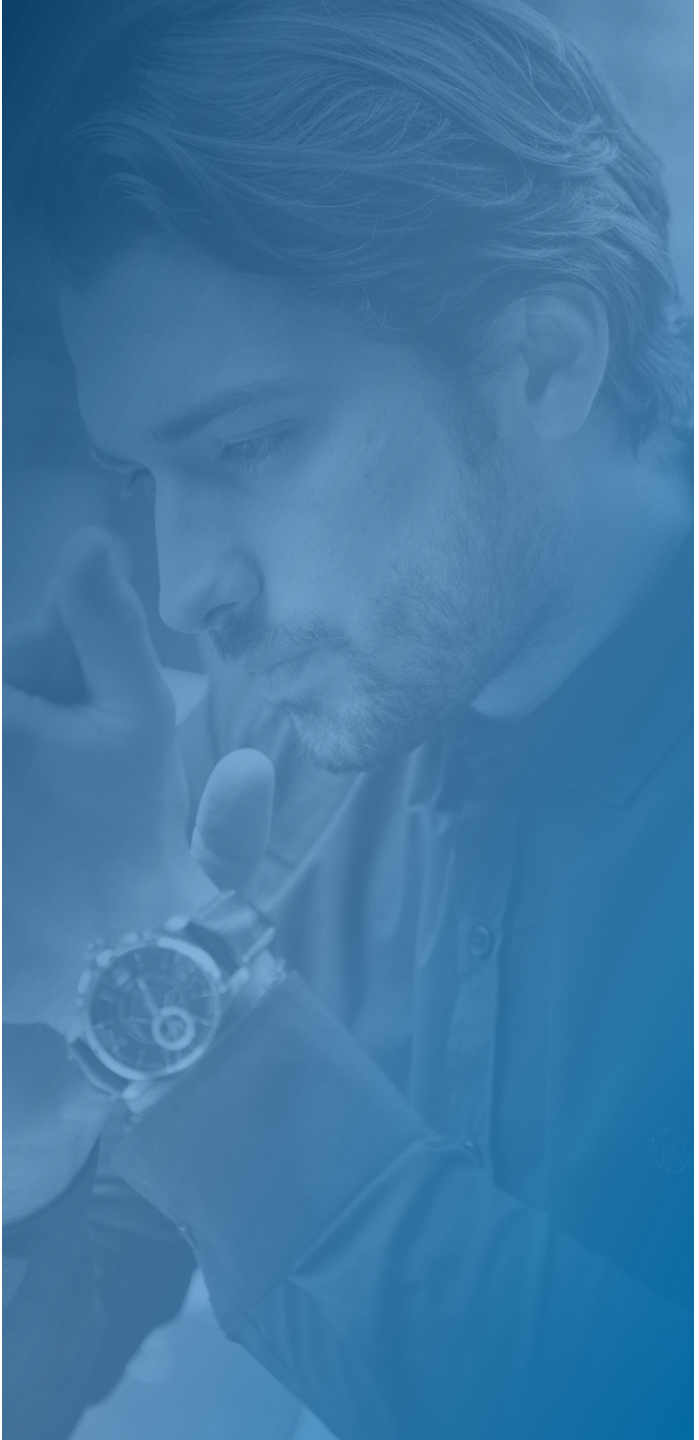


ABOUT ME

- 20+ years in IT Industry, serve various role from end user IT, IT consulting, product principal, ERP implementor, software developers, sales and marketing, supply chain, financial controlling, human resources, plant operation in various industries as well as enterpreneurship
- First born of the Information Systems program – Age of 2001
- Founder & CEO of PT. Avolut Global Indonesia, an IT Company
- Founder & CEO of PT. Binusa & PT. Toto, an logistic, distribution, manpower and HR support Company
- VP IT Operation & Supply Chain – Asia Pacific Region of Cargill Inc



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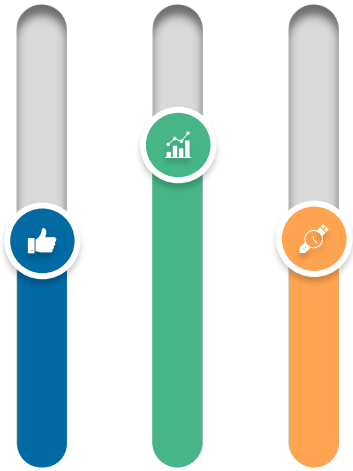

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Predictive Project Cycle

IT Consulting POV

SALES CYCLE

Opportunity
Contected by Customer, receive RFI request and invited for Bidding

Aanwijzing
Invited to a session to listen to Customer requirement along with other competitor

Proposal
Compose solution proposal, sometimes highlevel design and project plan included

Presenting
Present the proposal with some occation require an PoC (Proof of Concept)

Awarding
Win or Lose is decided and proceed to project delivery

PROJECT CYCLE

Requirement
Gather business requirement and document Current As-Is and Objective

Design
Design To-Be based on Business Requirement and relate the change with As-Is

Development
Develop solution based on approved & signed off To-Be Design

Testing
Perform UT, SIT & UAT with the User as well as Training

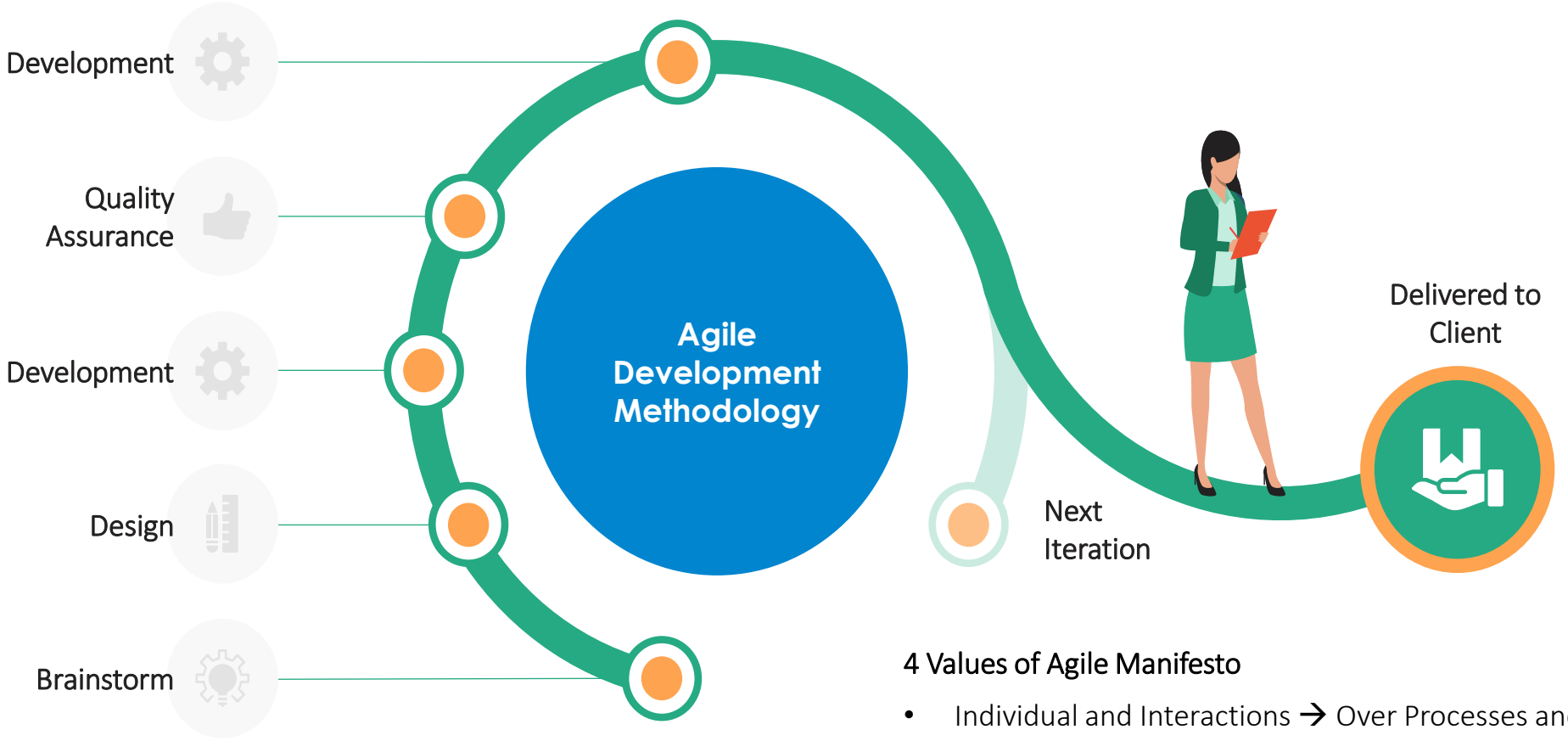
Deployment
Deploy solution, do Data Migration and Go Live

Maintenance
Support post Go Live and stay tuned for any issue support

- Emphasis on **Processes** rather than **People**
- Command and Control Leadership
- **Centralized** Management Style
- Comprehensive **Documentation**
- Rigid **Change Management System**

- **Rigidity** - It is based on high pre-planning and then executing
- **Autocracy** - Everything relies on the capabilities of the project manager
- **Return on Investment** - At the end of the project Life

Alternative – Adaptive Project Cycle

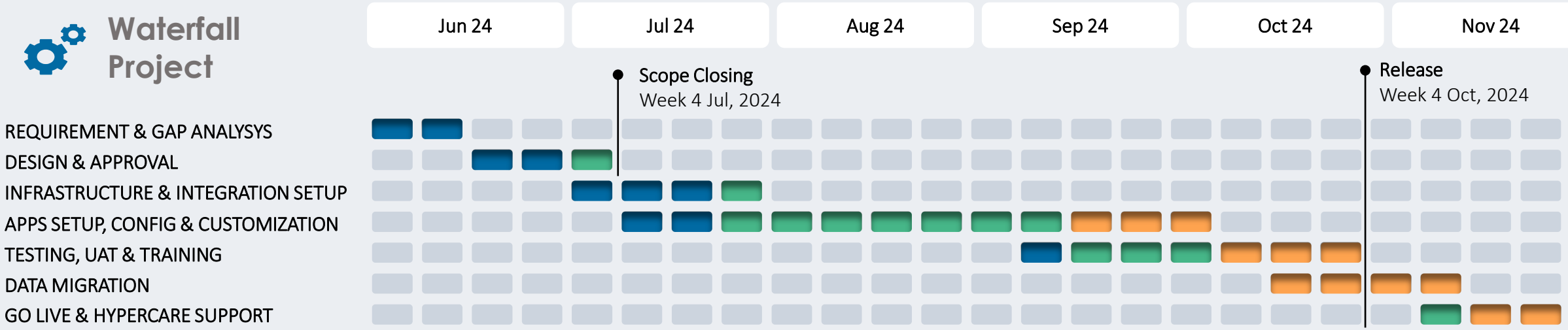


4 Values of Agile Manifesto

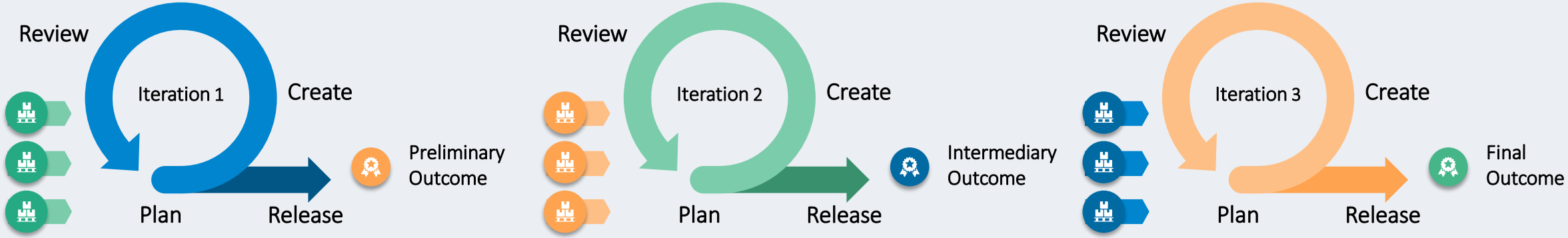
- Individual and Interactions → Over Processes and Tools
- Working Software → Over Comprehensive Documentation
- Customer Collaboration → Over Contract Negotiation
- Responding to Change → Over Following a Plan

PROJECT TIMELINE

Waterfall Project



Agile Project



Adaptive Project Cycle

Detail Process

Product Backlog

The scope in ranked, priority order to maximize delivery of value to business stakeholders and end users

Acceptance Criteria

Management defines the sign-off criteria for each item

Sprint Backlog

The items the team can commit to delivering in a 4-week Sprint based on their collective capability and capacity

Feedback

- Issue Resolution
- User Interaction
- Continues Improvement

SPRINT 2

Changes & New Requirement

Design
Build
Test
Integrate
Document

SPRINT 1

Design

- Refine
- Collaborate
- Stakeholder Buy-in

Demo

Team Demo completed items commited to & demostrate their adhere to sign-off criteria

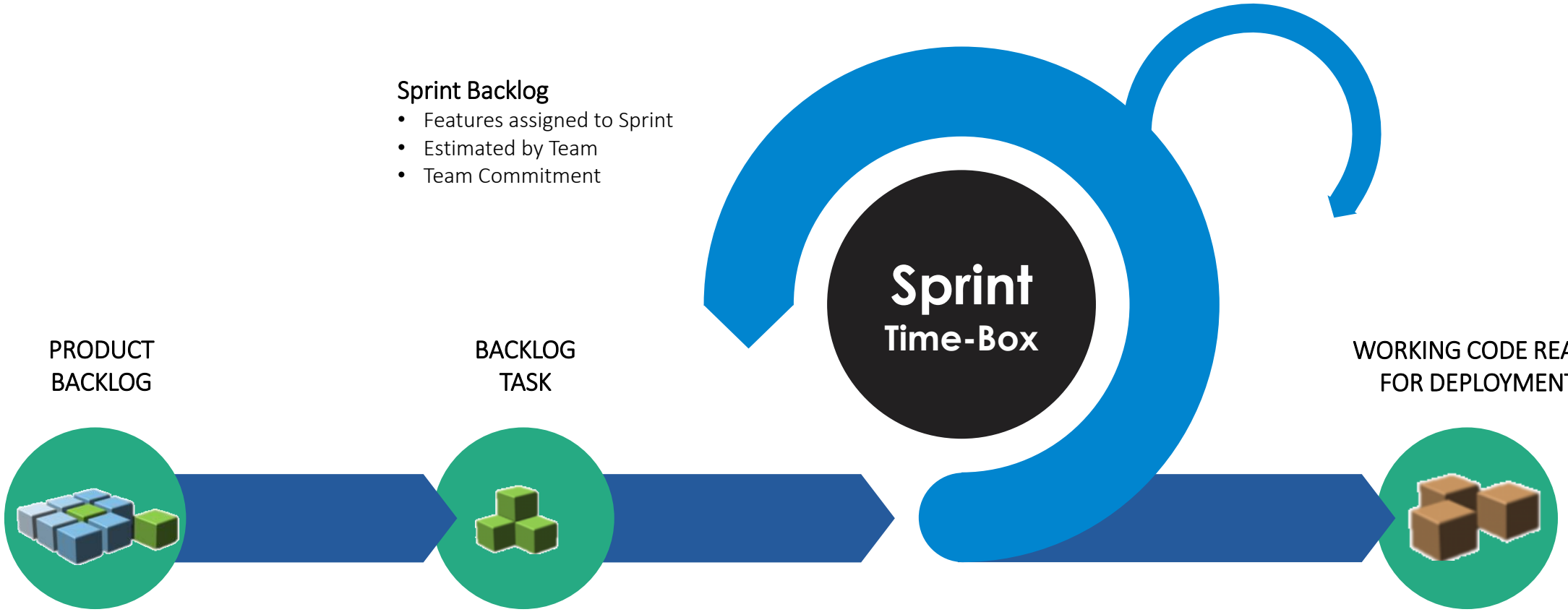
Delivery

when the sign-off is obtain thenthe product is delivered

Adaptive Project Cycle

Sprint Time Box

Sprint Backlog
- Features assigned to Sprint
- Estimated by Team
- Team Commitment



PRODUCT BACKLOG

BACKLOG TASK

WORKING CODE READY FOR DEPLOYMENT

Sprint Planning Meeting
- Review Product Backlog
- Estimate Sprint Backlog
- Commit

Daily Scrum Meeting
- Done since last meeting
- Plan for today
- Accelerator / Roadblocks

Sprint Review Meeting
- Demo features to all
- Retrospective on the Sprint adjustment

CASE STUDY

MIDSUIT ERP

Here we have to implement MIDSUIT ERP into a manufacturing company which also have their own distribution business and complete supply chain business process

PROCUREMEMT MGMT

- Vendor Management
- Auction / RfQ
- Purchase Order Processing
- Receive & Quality Check
- Landed Cost
- Return Management

SALES & DISTRIBUTION

- Customer Management
- Marketing & Campaign
- Pricing & Discount
- Sales Order Management
- Shipping & Transportation
- Commission and Incentive
- Return Management

INVENTORY MGMT

- Product Management
- Multi-Warehouse and Location
- Inventory Movement
- Inventory Receipt & Issue
- Stock Count & Adjustment
- Batch Management
- Serial Number & Attributes

MANUFACTURING OPS

- Bill of Material (Multi Level)
- Recipe, Routing, Resource & Rate
- Production Plan, Order & Execution
- Real-time Inventory Realization
- BOM Cost Roll-up
- Quality Inspection
- MRP Engine & Forecasting

PLANT MAINTENANCE

- Plant Equipment multilevel BOM
- Maintenance Parameter
- Inspection Plan
- Maintenance Plan & Execution
- Preventive Maintenance
- Corrective Maintenance

HUMAN CAPITAL

- Personal Administration
- Management Organization
- Payroll
- Attendance & Leave
- Employee Self Service
- Training & Personal Development
- Travel Management

FINANCE ACCOUNTING

- General Ledger
- Account Receivable
- Account Payable
- Receipt & Allocation
- Payment Processing
- Advance Payment
- Cash / Bank Management
- Financial Report
- Product Costing
- Cost & Profit Center
- Tax Management
- Multi-Currency
- Budget & Period Control
- Sub-Ledger Report

Adaptive Project Cycle

Sales Process

- **Simplify Sales & Commercial Process,** there is no fight for scope, lumpsum investment, justification of resources and timeline
- **Repeatable Small Contract,** sales contract would be small and cannot capture overall investment to be provided by Customer.
  - **Pro's –** Easy to deal with, reduce potential overcost in Vendor if the estimation goes wrong and no worry if customer change the scope
  - **Con's –** There is no way to tell when project can be completed or how many investment till it done. Vendor also unable to secure big number as customer may stop the project till certain level of iteration

Opportunity

Contected by Customer, receive RFI request and invited for Bidding

Proposal

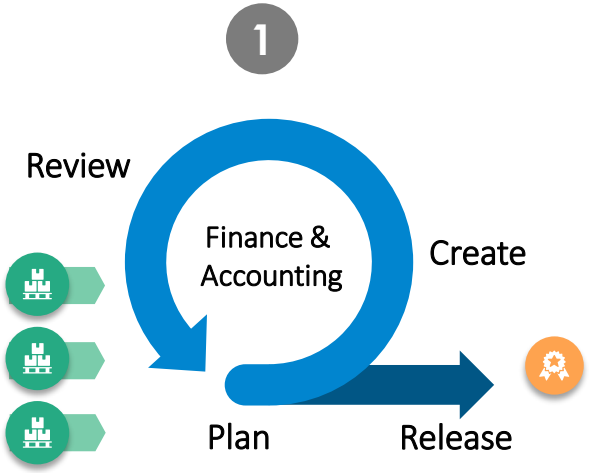
Capture Project Vision, Definition, Commercial Cost for each Iteration and Define Release Plan

Awarding

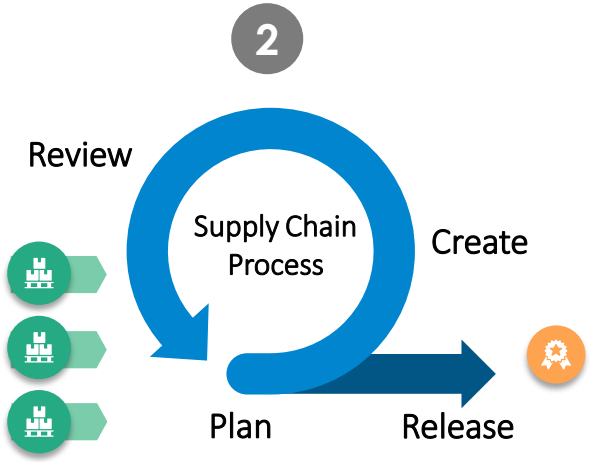
Sign Contractual, Define Team Member and start Kicki'n

Adaptive Project Cycle

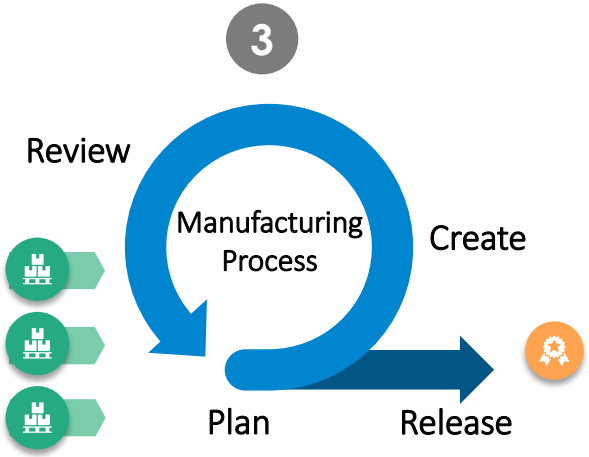
Feature List Iteration Planning



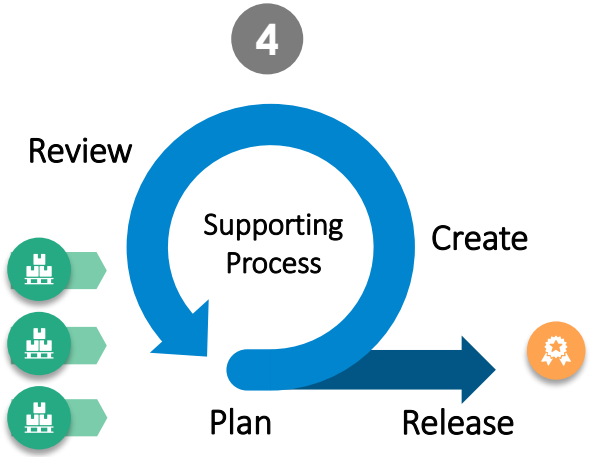
- Corporate Structure Setup
- AR, AP, Treasury Go Live
- All non Finance Transaction entered in GL Journal
- Holding Model implemented
- Financial Reporting



- Procurement Process Live
- Sales & Distribution Live
- Inventory Process Live
- Manufacture woraround by Issue & Receipt



- Production Planning Live
- Production Execution Live
- Product Costing automatically calculated



- Plant Maintenance Live
- Human Capital Implemented
- PPh21 & BPJS set in FA Module

Adaptive Project Cycle

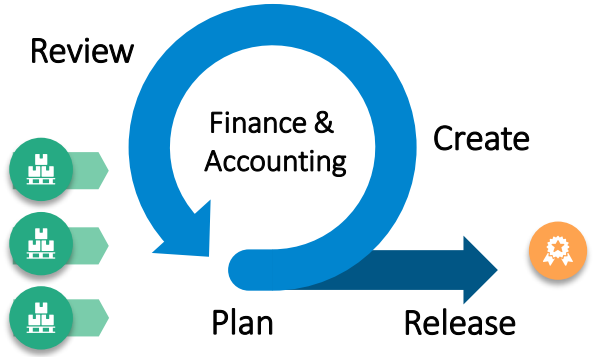
Example – 4 Weeks Activities for FA Feature Sprint

Week 1

- Define Corporate Structure
  - Holding
  - Sub-Holding Refined Oil
    - Plant Code A
    - Plant Code B
  - Sub-Holding Palm Oil Plantation
    - Estate East KA
    - Estate West KA
    - Estate North KB
  - Sub-Holding Logistic & Supply Chain
    - Main Distributor
    - Sub-Distributor Region West
    - Sub-Distributor Region Central
    - Sub-Distributor Region East
- Create initial Client Setup
  - Apply defined structured
  - Apply basic accounting setup
    - Currency
    - GAAP Type
    - Costing Model
  - Setup department and division

Week 2

- Define Account Element Structure
  - Organtization
  - Chart of Account
  - Cost & Profit Center
  - Other Reporting Structure
- Define Basic FA Config
  - Business Partner Schema
  - AR & AP Reporting Schema
  - Inventory Reporting Schema
  - Cash & Bank Schema
  - Intercompany Schema
- Apply Basic FA Config



Week 3

- Define Financial Reporting Structure
  - Balance Sheet
  - Profit & Loss
  - Statement of Cashflow
  - Various Sub-Ledger Report
- Confiigure Reporting
  - Configure Finance Reporting
  - Design Layout Reporting

Week 4

- Dummy Data Load
  - Dummy Trial Balance Data
  - Dummy Cash & Bank data
  - Dummy AR, AP & Inventory Data
  - Dummy various GL Data
- Run Financial Reporting
  - Run various FA report with various organization level
  - Review if the current structure fulfill business expectatiion
- Any feedback leads to backlog, then process sprint iteration

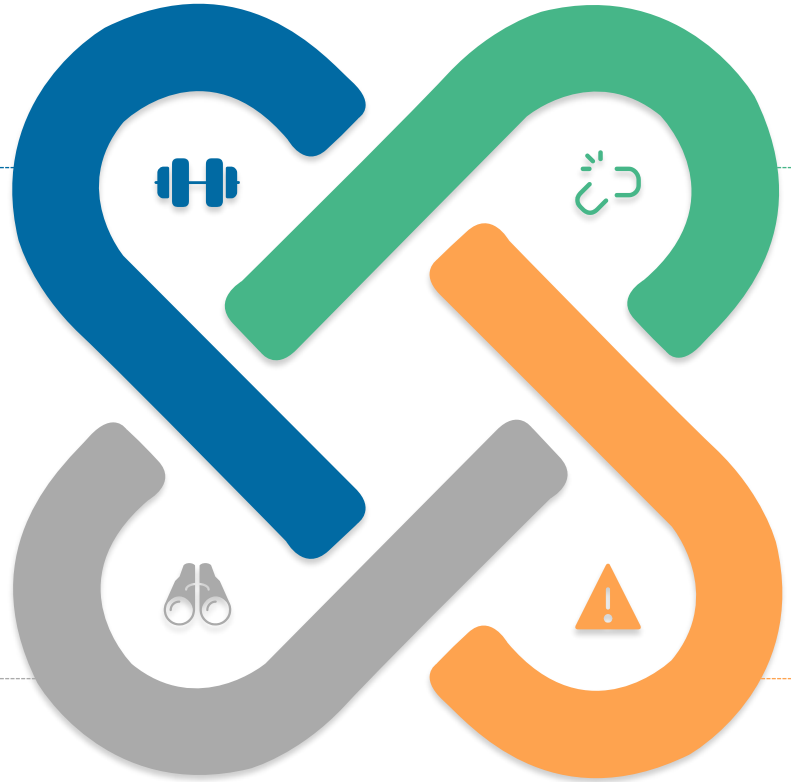
CONCLUSION

STRENGHTS

Flexibility: Adapts quickly to changes in customer requirements.
Customer Focus: Emphasizes collaboration, ensuring products meet user needs.
Quality: Continuous feedback leads to improved outcomes.
Empowered Teams: Fosters collaboration and innovation.

OPPORTUNITIES

Market Agility: Quickly respond to customer feedback and market changes.
Technology Utilization: Leveraging tools can improve efficiency.
Skill Development: Promotes a culture of continuous learning.
Expanding Adoption: Growing recognition of Agile benefits across industries.

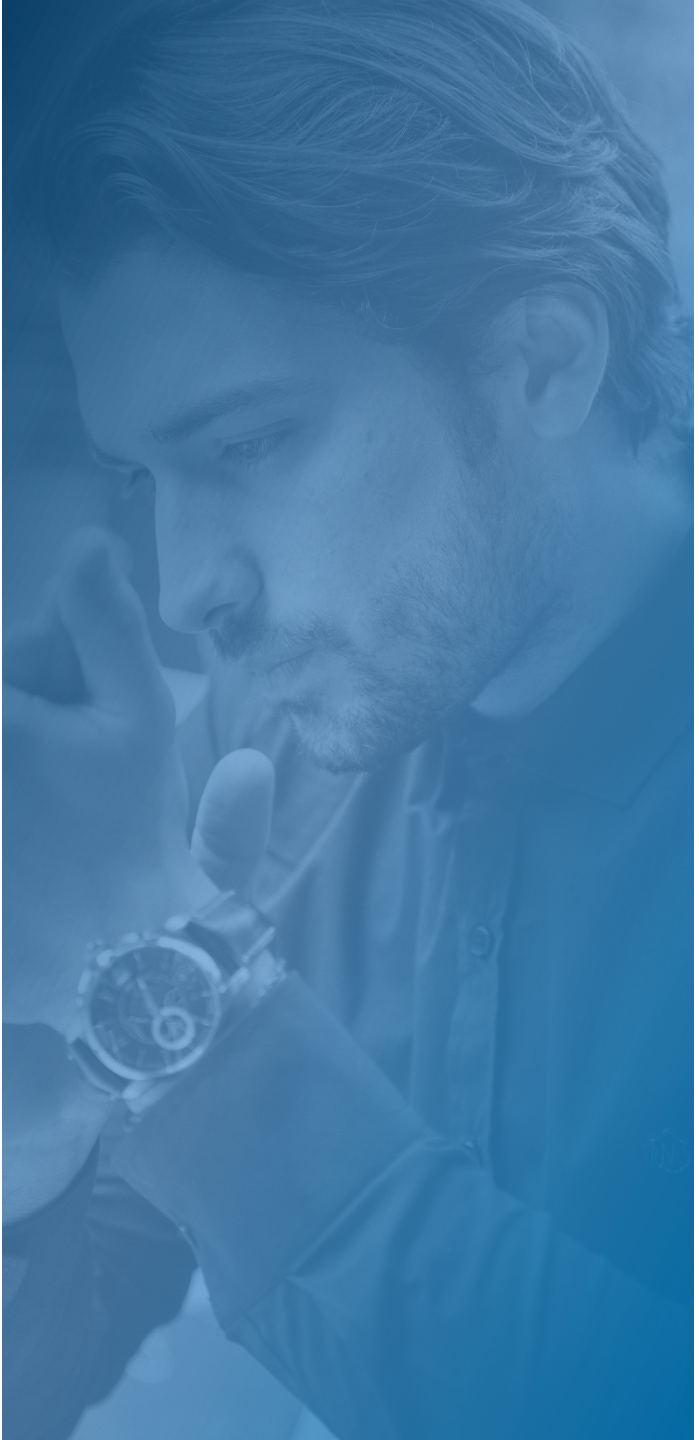


WEAKNESSES

Unpredictability: Timelines and budgets can be uncertain.
Documentation Gaps: Less focus on comprehensive documentation can lead to misunderstandings.
Cultural Challenges: Transitioning from traditional methods can be difficult.
Resource Intensive: Frequent iterations may require more time and resources.

THREATS

Resistance to Change: Existing cultures may resist Agile adoption.
Misimplementation: Poor understanding of Agile can lead to failure.
Competitive Pressure: Agile competitors may outpace traditional methods.
Regulatory Conflicts: Compliance issues may hinder Agile practices in certain industries



THANK YOU