REAL-TIME MANAGEMENT OF OPERATIONS, MAINTENANCE AND HIGH-VALUE ASSETS
PORT OPERATIONS

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BUSINESS SOFTWARE TO MANAGE YOUR TERMINALS OPERATIONS

Real-time management of operations, maintenance and high-value assets

IFS

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HOW DIGITIZATION CAN IMPROVE OPERATIONS

- The top 3 challenges Port management face today

- What is next in Port operations

- Why real-time is more important NOW than ever?

- The 4 key components for a successful port operations

THE TOP 3 CHALLENGES PORT MANAGEMENT FACE TODAY

- Limited resources

- Unexpected events
  - Vessel delays
  - Equipment breakdown
  - Labor issues
  - New government regulations

- Lack of visibility

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PORT OPERATIONS IN 10 YEARS
INTERNET OF THINGS

- Automated equipment

- **IOT**, equipment talking to each other

- Less or no people on the ground

- 24 Hrs. operations

- Remote control rooms

WHAT IS NEXT IN PORT OPERATIONS?
INTERNET OF THINGS & AI

- Tracking of all activities within the port

- Giving more access to customers

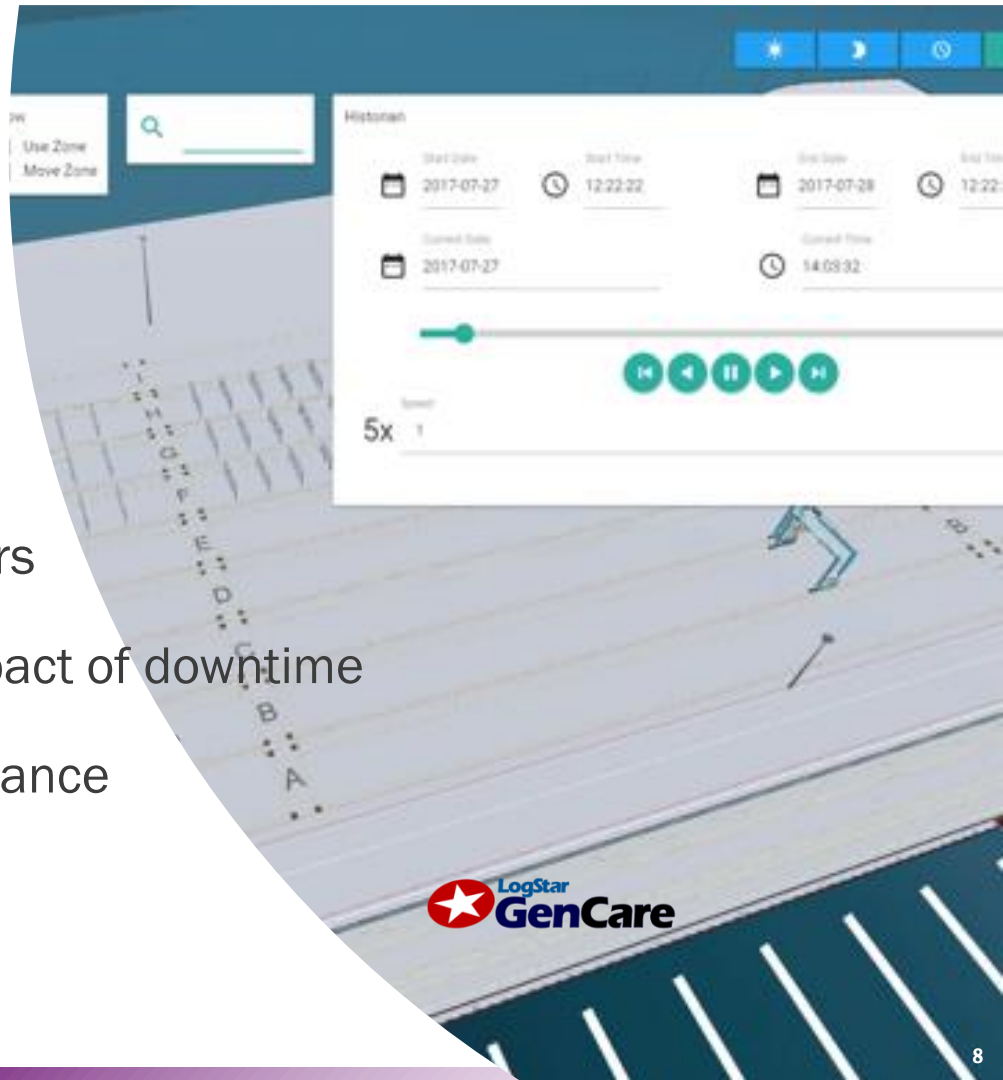- Digitization

- Simulation

- Prediction

THE TOP 3 CHALLENGES PORT MANAGEMENT FACE TODAY

- Limited resources

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- Lack of visibility

REAL-TIME OPERATIONS
TECHNOLOGY

- Technology allows it

- The spill over effect

- Visibility is key for all stakeholders

- Optimized resources → high impact of downtime

- Preventive vs corrective maintenance

THE 4 KEY COMPONENTS
SUCCESSFUL PORT OPERATIONS
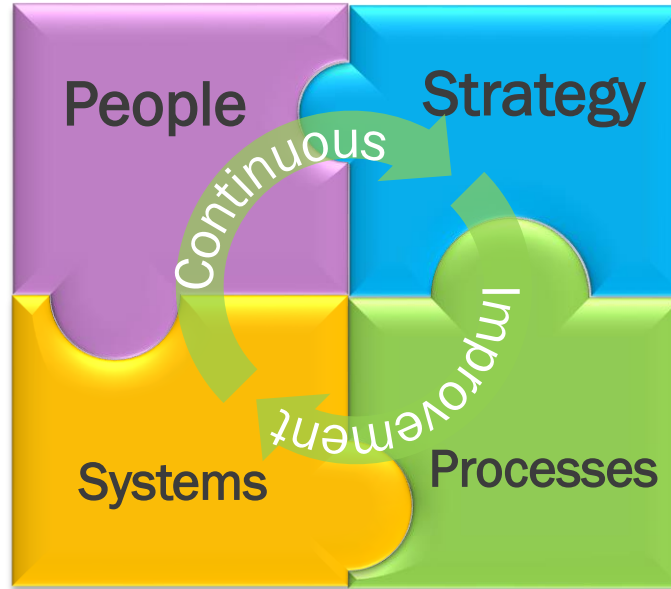
- People

- Strategy

- Processes

- Systems

THE 4 KEY COMPONENTS

People
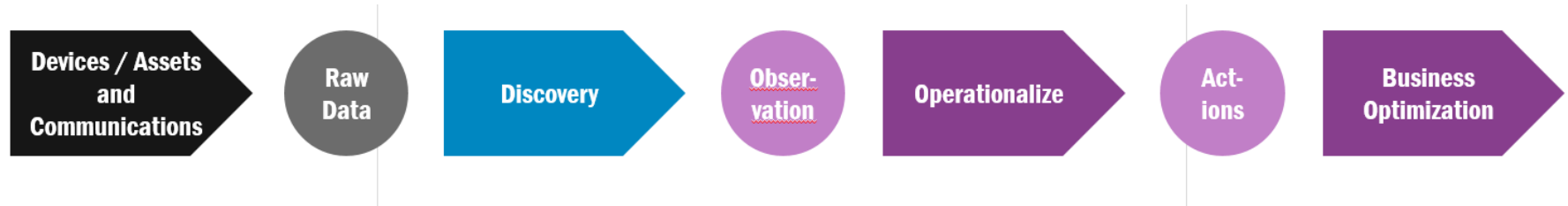
Strategy

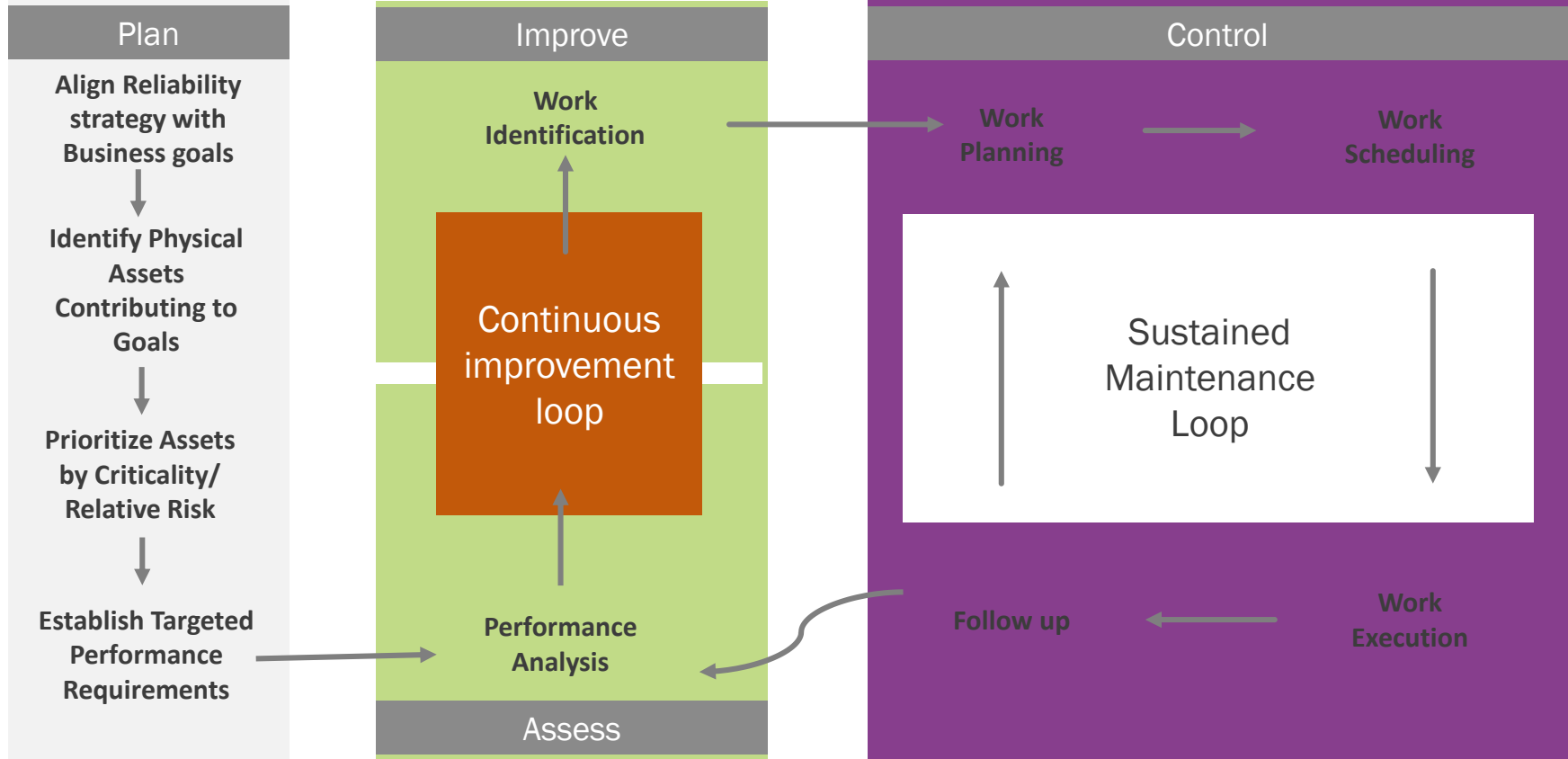Systems

Processes

THE 4 KEY COMPONENTS

THIS IS NEXT…

DIGITAL TRANSFORMATION – IOT INITIATIVE

- Smart assets
- Remote Monitoring
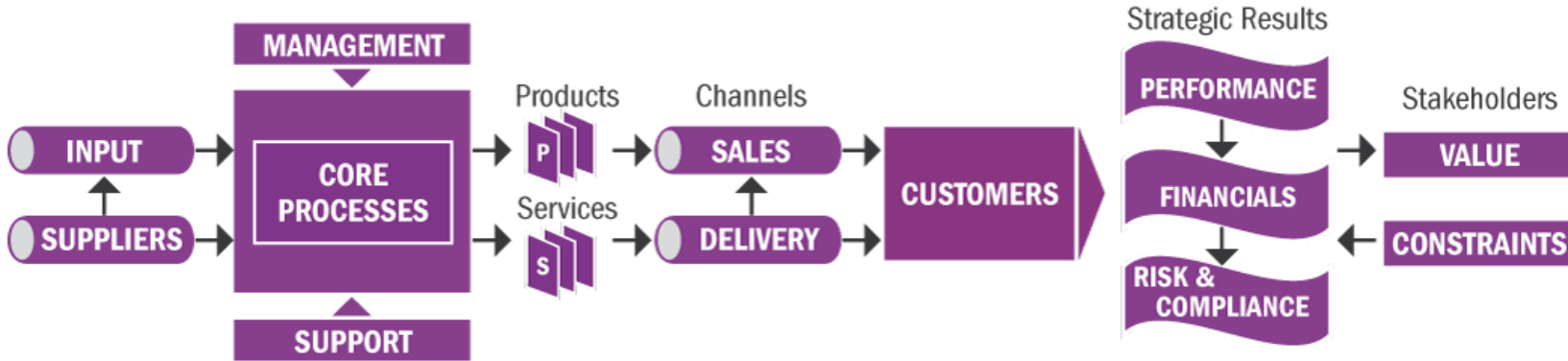- Data collection
- Discovery
- Observation
- Actions

Devices / Assets and Communications → Raw Data → Discovery → Obser-vation → Operationalize → Act-ions → Business Optimization

PROACTIVE ASSET RELIABILITY

Plan

Align Reliability strategy with Business goals

↓

Identify Physical Assets Contributing to Goals

↓

Prioritize Assets by Criticality/ Relative Risk

↓

Establish Targeted Performance Requirements

Improve

Work Identification

Continuous improvement loop

Performance Analysis

Assess

Control

Work Planning

Work Scheduling

Sustained Maintenance Loop

Follow up

Work Execution

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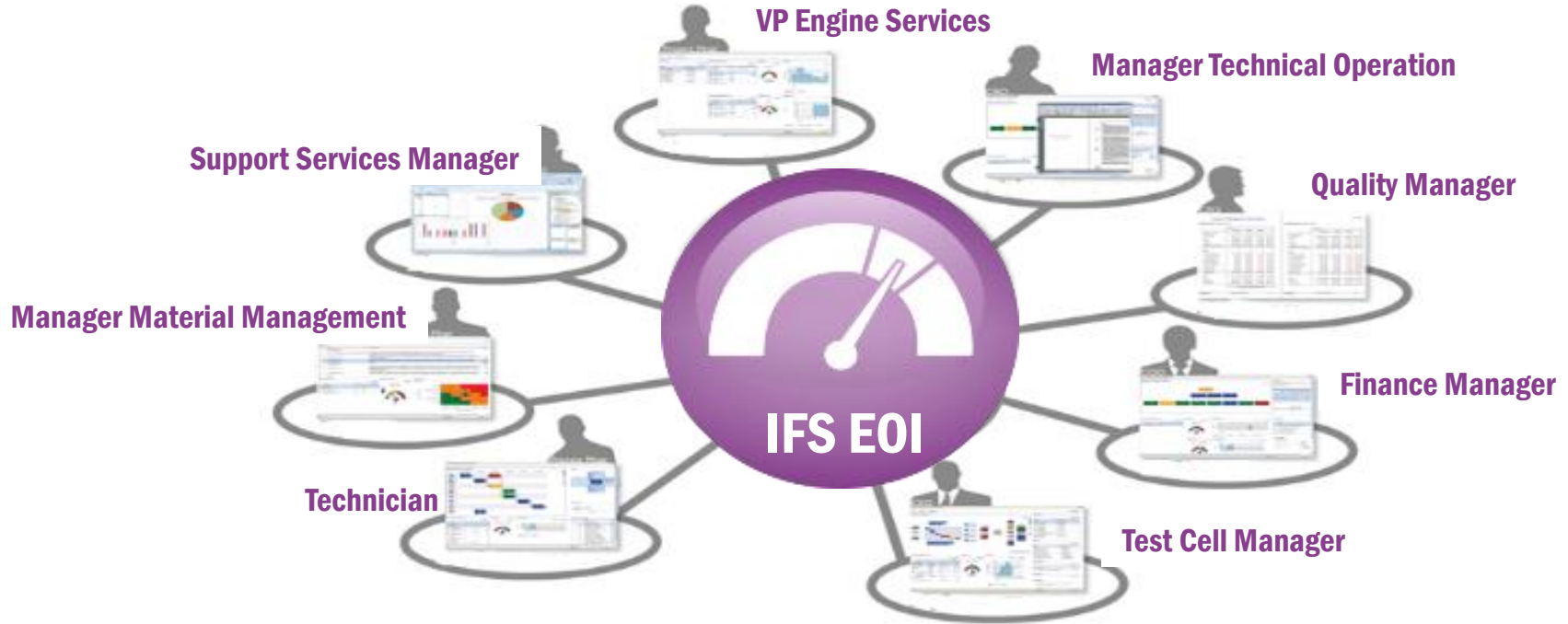
ENTERPRISE OPERATIONAL INTELLIGENCE

ORGANIZE YOUR BUSINESS

- One single, end-to-end picture of the truth - SPOT
- Blueprint to define your strategy, processes and KPIs
- Reduce complexity
- Focus on what is really important
- Web based, role-based cockpits

INTELLIGENT BUSINESS OPERATIONS
CONNECTED COCKPITS FROM BOARD TO OPERATIONS

THANK YOU