TECHNOLOGY & INNOVATION
Planning in the Cloud Computing

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TSB Cloud CASP Service Platform

This Service Platform is the cloud-based collaboration platform and network for shipping line & terminal to collaboratively manage and drive new efficiencies work-flow and process place.

- Collaborative Stowage Planning (Terminal vs Shipping Line)
- Actionable Visibility
- Performance Analytics
- Big Data Analytics
- Container Tracking Analytics
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Private Cloud Service Platform

Public Cloud Service Platform

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Stowage Workflow – AS IS

Terminal A
- Discharging / Loading Operation
- BAPLIE, TDR
- Checking / Validating

Shipping Agent A
- Final BAPLIE, TDR

Shipping Line / Stowage Planner
- Stowage Planning
- Loading List
- BAPLIE, Loading Instruction

Shipping Agent B
- Loading Reconcile
- BAPLIE, Loading Instruction, TS Info

Terminal B
- Discharging / Loading Operation

Problems:
- Too many e-mail & EDI
- Too many communication
- Too many documentation exchange
- Too many verification & rehandling

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- Improve communication
- Reduce documentation exchange
- Optimize work-flow & documentation exchange
- Automation
• **Enable to continue to improvement in terminal performance, terminal costing, yard utilization, quality of stowage planning, execution, equipment allocation, berth schedule variances, productivity, berthing window and etc.**
- Terminals
- Regulatory Authorities
- Planners
- Shippers/Forwarders
- Vessels

Integrated With .......
- Loading Computer
- Terminal Operating System
- Port Community System
- AIS
- SAP
- ERP
- Internal System

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TSB Cloud CASP Service Platform

Shipping Line
- Maximize Vessel Utilization
- Minimize Bunkering
- Minimize Port Stay

Terminal
- Maximize Berth Productivity
- Maximize Berth Utilization
- Minimize Operational Expense

Maximize Optimization Balance?

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• Maximize Vessel Utilization
• Minimize Bunkering
• Minimize Port Stay
• > 40% Total Planning Time Saving
• Reduce Error-Prone Communication
• Cost Saving on Restow ($,$$$,$$$)

• Maximize Berth Productivity
• Maximize Berth Utilization
• Minimize Operational Expense
• 15% ~ 25% Productivity Increase
• 10% Berthing Capacity Increase
• Reduce Housekeeping Movement
Cloud CASP Functions & Features
See what we can do with data.
Welcome to TSB Booth ...
Thanks for your attend TOC 2018

GREEN SOLUTION
Cloud Platform
Mobile Service

AUTOMATION
ARMG, ASC
AGV
Terminal
RTG/RMG

SIMULATION
Port
Terminal
Equipment
Equipment Control

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