

TECHNOLOGY & INNOVATION

Planning in the Cloud Computing

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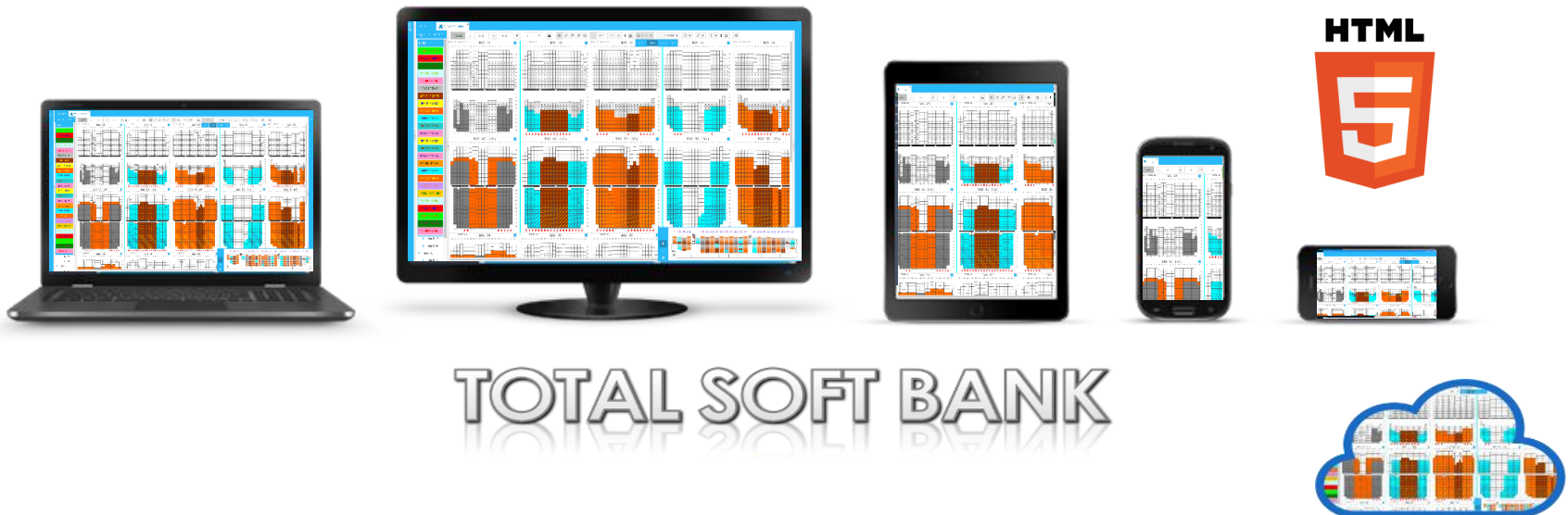
TOTAL SOFT BANK



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



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.



**Private Cloud
Service Platform**

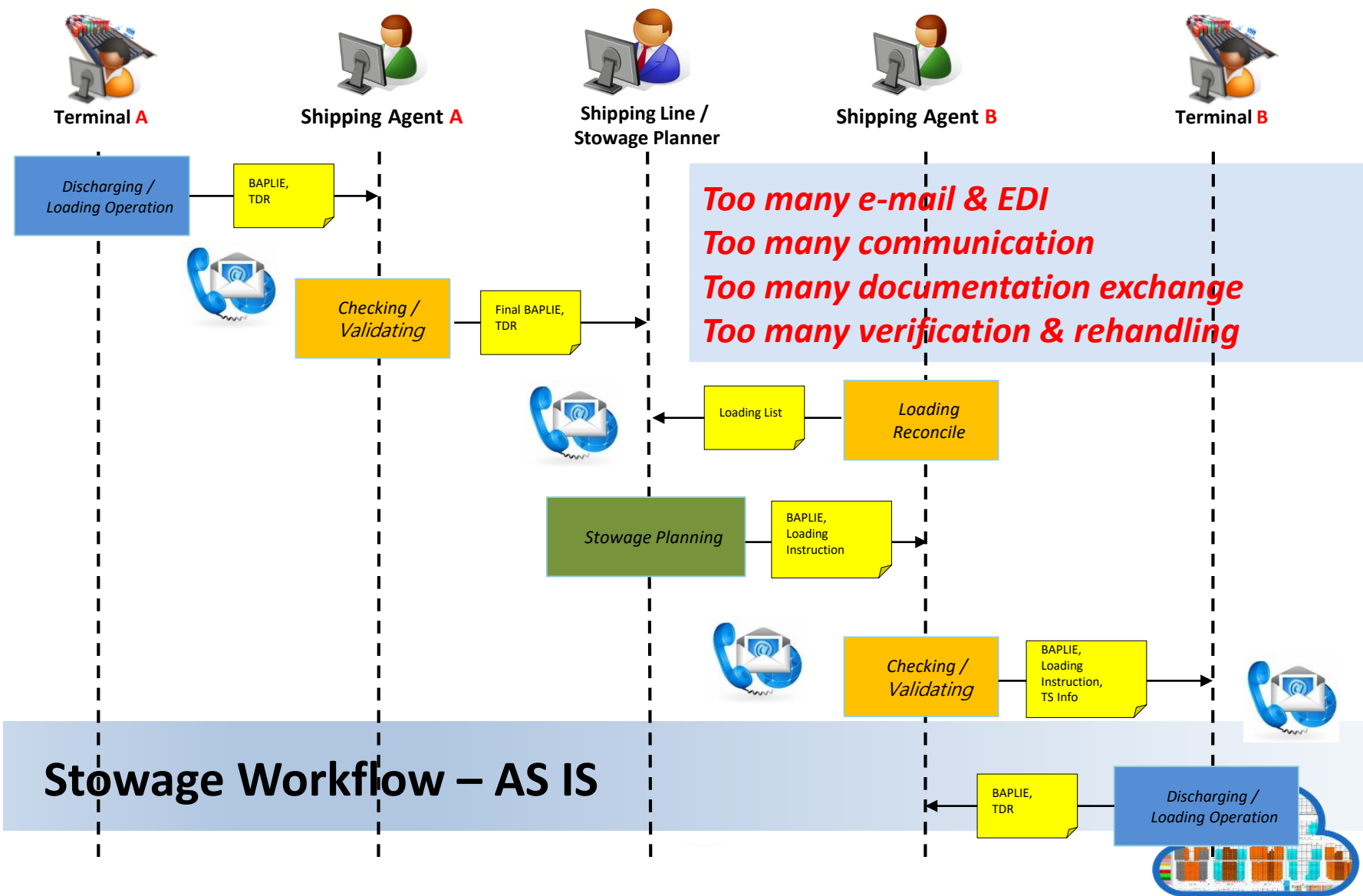


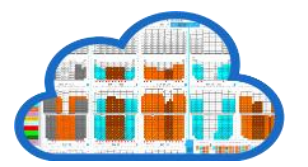
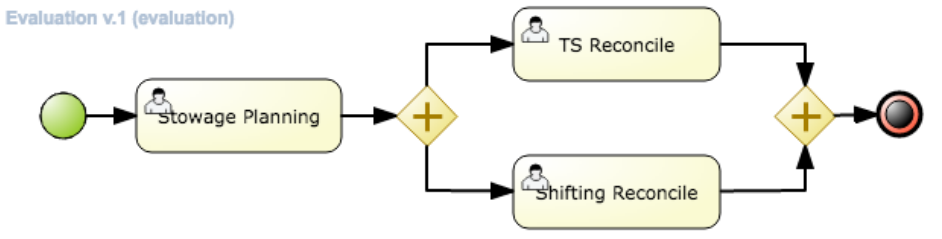
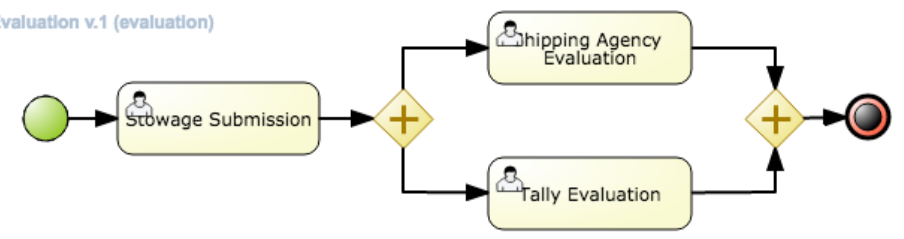
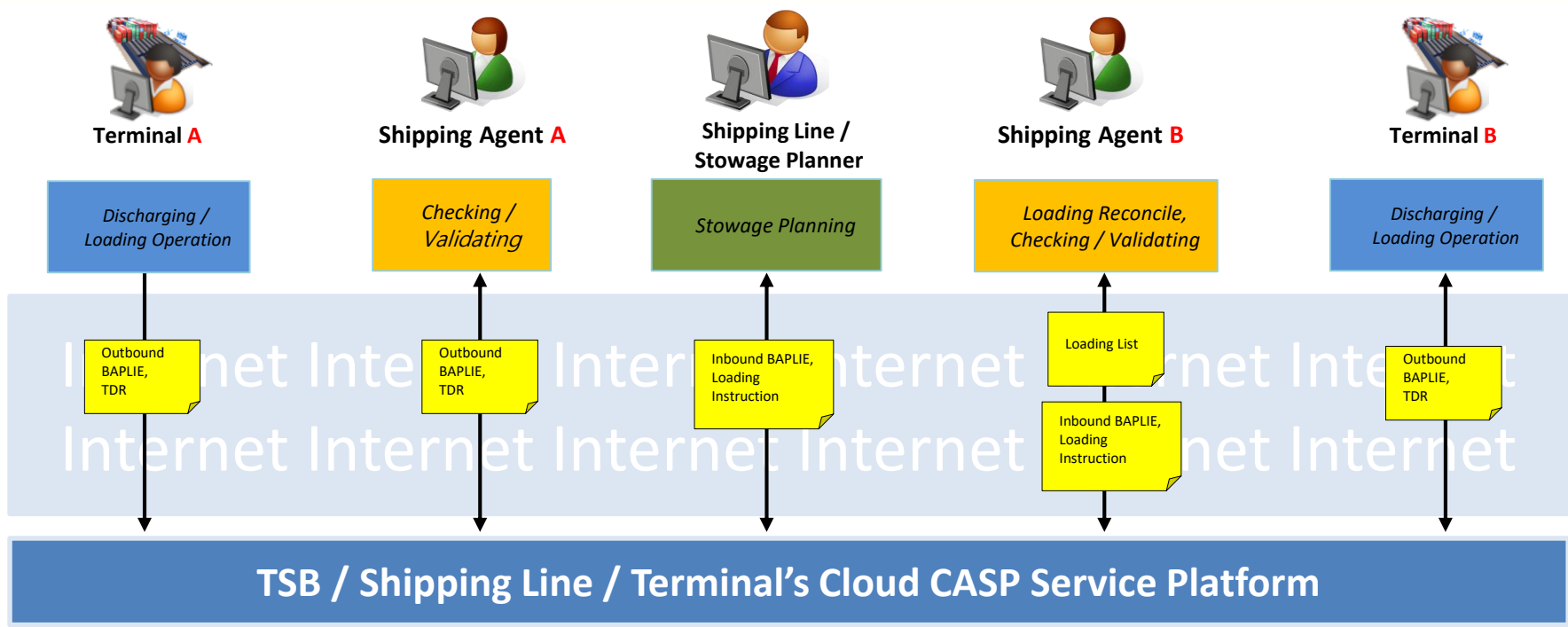
**Public Cloud
Service Platform**

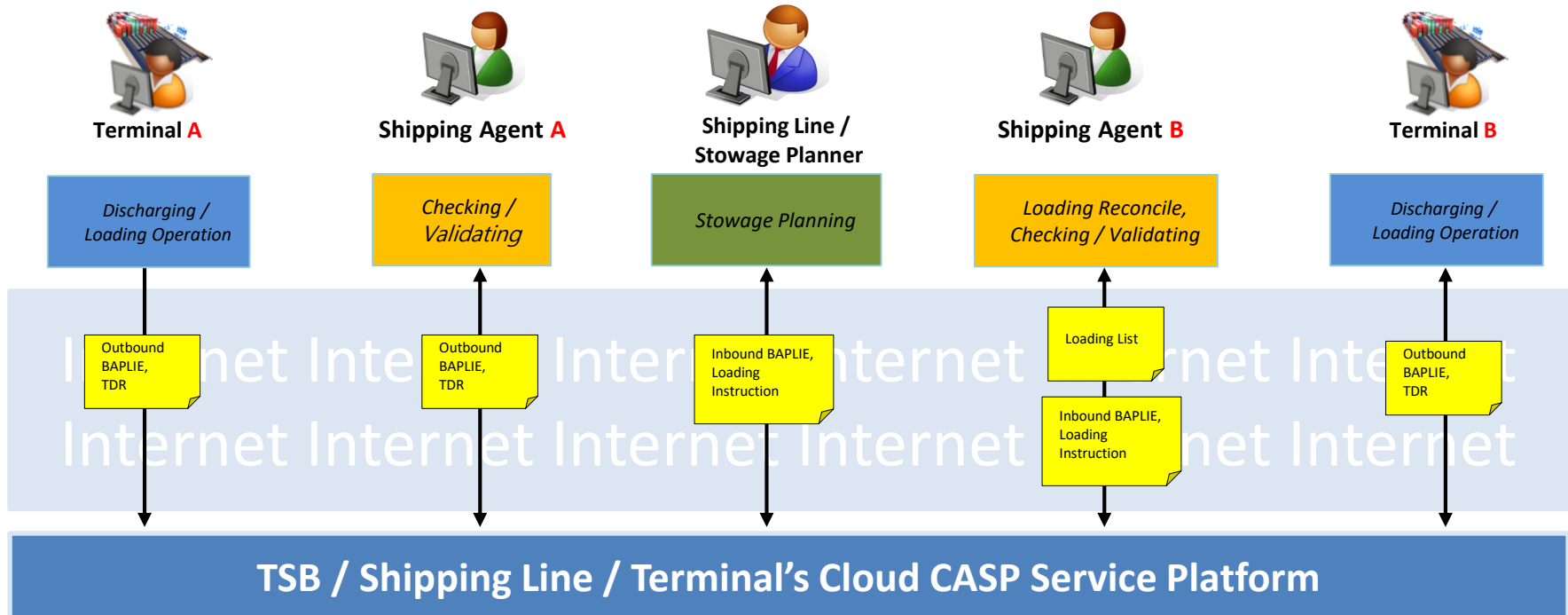


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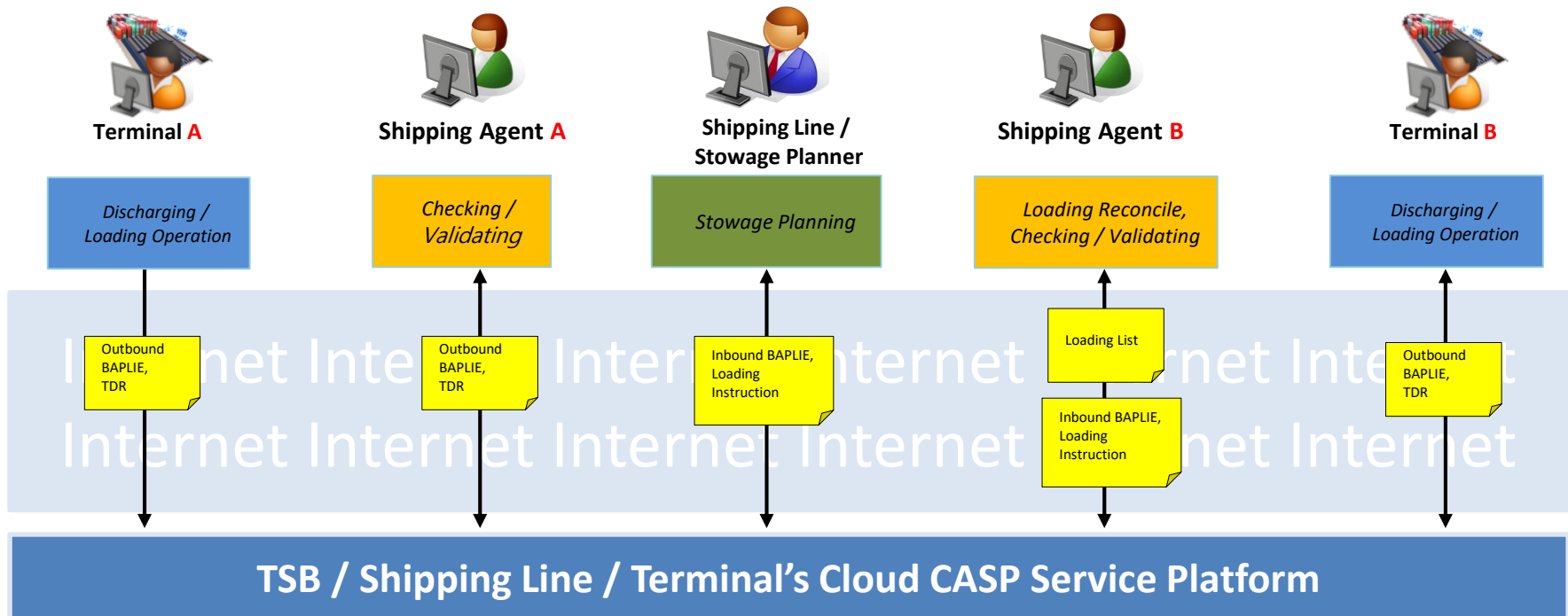






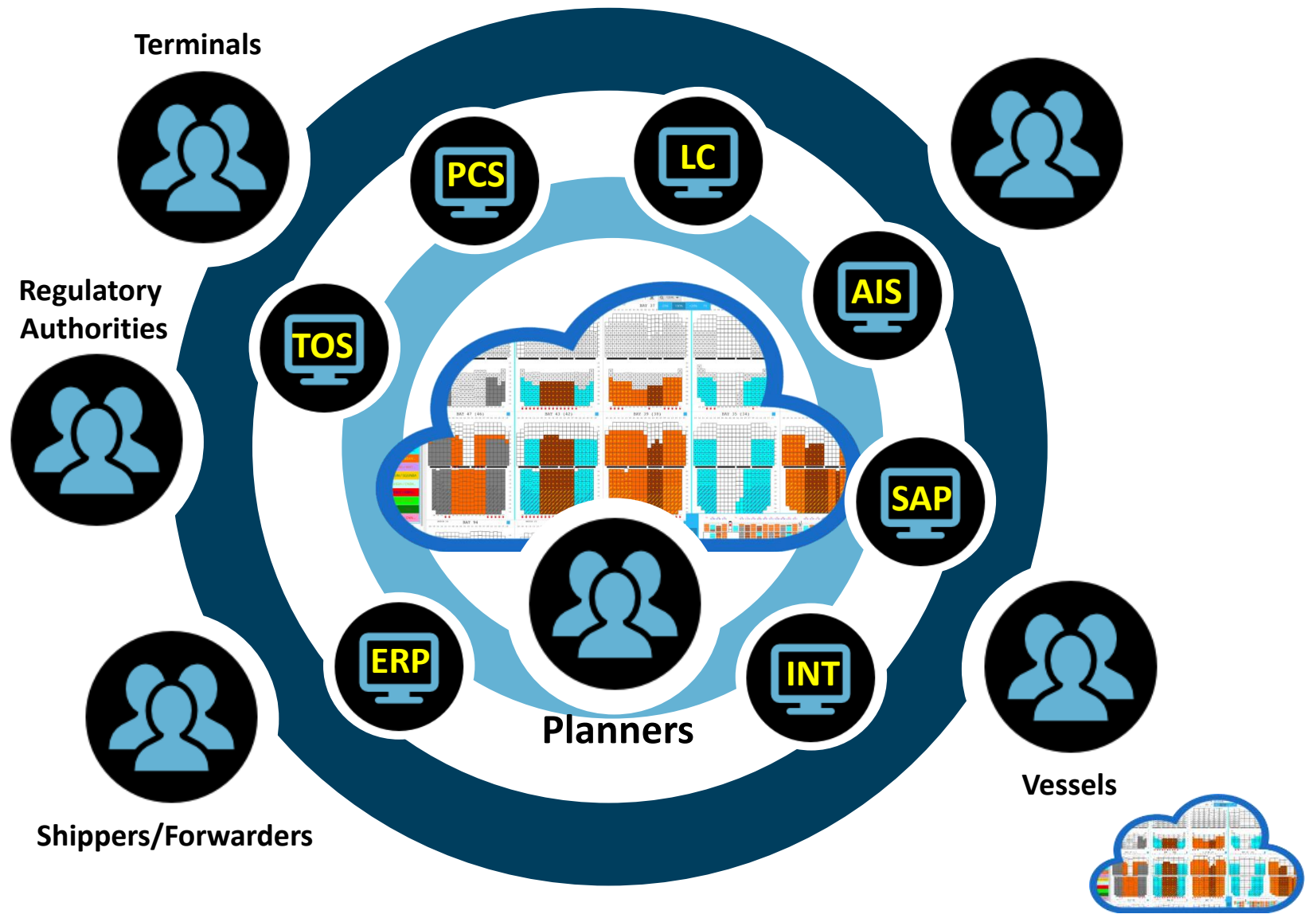
- **Improve communication**
- **Reduce documentation exchange**
- **Optimize work-flow & documentation exchange**
- **Automation**

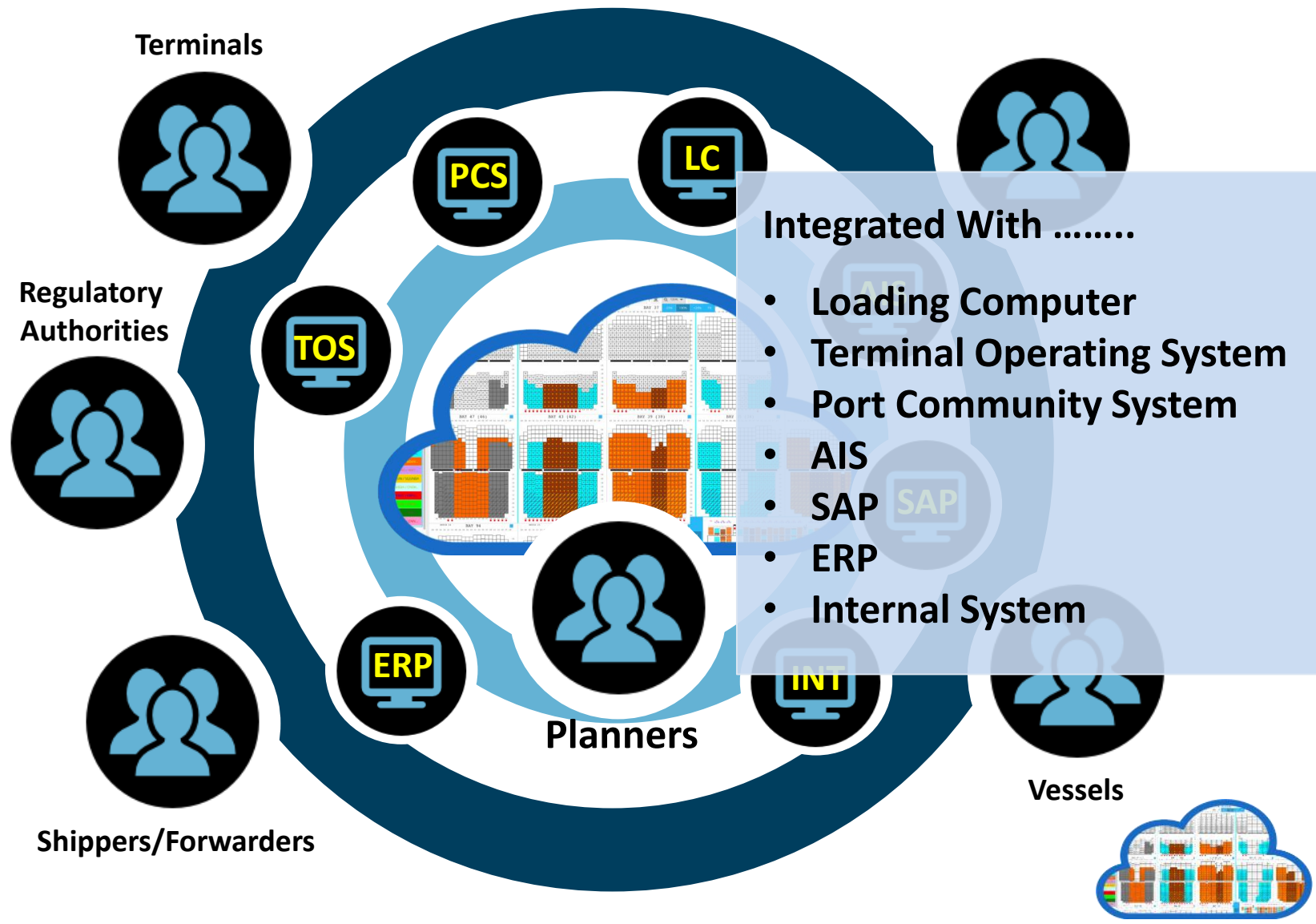




- **Enable to continue to improvement in terminal performance, terminal costing, yard utilization, quality of stowage planning, execution, equipment allocation, berth schedule variances, productivity, berthing window and etc.**







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

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TSB Cloud CASP Service Platform



Shipping Line

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

Maximize
Optimization
Balance?

Terminal

- Maximize Berth Productivity
- Maximize Berth Utilization
- Minimize Operational Expense
- 15% ~ 25% Productivity Increase
- 10% Berthing Capacity Increase
- Reduce Housekeeping Movement

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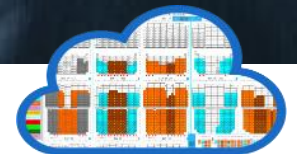


Cloud CASP Functions & Features

See what we can do with data.

Welcome to TSB Booth ...

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Thanks for your attend 16th ASEAN



GREEN SOLUTION
Cloud Platform
Mobile Service



AUTOMATION
ARMG, ASC
AGV
Terminal
RTG/RMG



SIMULATION
Port
Terminal
Equipment
Equipment Control

TOTAL SOFT BANK

