OPTIMUS

BY OPTIMUS'

Web-based Application for Optimal Container Selection and Consolidation

visit us @ http://optimus.azurewebsites.net/

PROBLEM

Growing seaborne trade results in an **increase in CO_2 emissions**. Studies have shown that **choosing the right container size** and **consolidating shipment at key ports** before shipping to port(s) of discharge can **reduce CO_2 emissions**.

FUNCTIONS

Container Size Selection

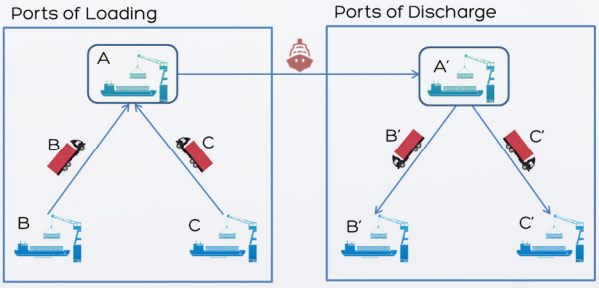
Shipment Consolidation
- Many to one port
- Many to many ports X-factor!

Map Visualization and Analytics

Administrative
- User and Access Mgmt
- Container Mgmt
- Ports Mgmt
- Fixed Parameters Mgmt

TECHNICAL COMPLEXITY

Utilize greedy algorithm to increase efficiency in finding an optimal consolidation scenario from many loading ports to many discharge ports.



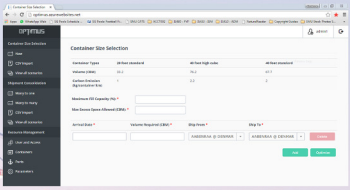
VALUE TO SPONSOR

gLab green transformation

A Collaboration between DHL & Singapore Management University

Application Commercialization

Corporate Social Responsibility



TEAM MEMBERS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HTML5 CSS3 Bootflat ASP.net MVC 5 Visual C# jQuery SQL Server Microsoft Azure LpSolve.cpp Dataloy Google Distance Matrix API

SMU Singapore Management University School of Information Systems

IS480 What's your X-Factor?