

TTCS System Proposal for Orenda Marine Engines

by
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Executive Summary

- Facilitates communication via asynchronous, scheduled requests
- Provides accountability through reporting
- Improves reliability in all areas of business

Intro to Dispatcher Dashboard

Orenda Marine Engines - Trailer Traffic Control System

Trailer Management

- Log an Arrival
- Departure Queue
- Trailer List
- Trailers by Shipper
- Broken Seal Incidents
- Trailer Repair Incidents

Driver Management

Drivers / Availability

▼ Driver	▼ Availability
Driver 1	Available
Driver 2	On Task
Driver 3	Off Duty
Driver 4	Off Duty
Driver 5	Available

Driver Manager

Request Management

Current Open Requests

▼ Dock	▼ Time
North	4:00pm

Request Management

Logout

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Trailer Arrivals



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Log Trailer Arrival

Orenda Marine Engines - Trailer Traffic Control System

Trailer Management

- Log an Arrival
- Departure Queue
- Trailer List
- Trailers by Shipper
- Broken Seal Incidents
- Trailer Repair Incidents

Driver Management

Drivers / Availability

▼ Driver ▼ Availability

Log an Arrival

Bill of Lading No.
10001

Submit

Driver Manager

Request Management

Current Open Requests

▼ Dock ▼ Time

Request Management

Logout

Corey 5

Trailer Admission

Orenda Marine Engines - Trailer Traffic Control System

Dashboard > Trailer List > Trailer No.

Back Report an Issue Admit

Trailer Information

Trailer No. T56	Shipper Name	Current Status: Pending
Shipper No. 101	Along Marine Services	Current Location:
Seal No. S8908	Shipper Address	Overdue Status: N/A
B.O.L. No. 10001	123 Main Street	Overdue Cost Incurred: N/A
P.O. No. 59001	Ottawa, On K2K 7D3	

Current Contents

▼ Handling Units	▼ HU Type	▼ HM	▼ Description/Special Marks/Exceptions	▼ NMFC#	▼ Class	▼ Weight(KG)
1	Pallets		Ignition Packs	360 22	100	5937.50 kg

Change Log

▼ Fields Changed	▼ Changed By	▼ From	▼ To	▼ Time of Change	▼ Note

Corey 6

Choosing Parking Spot

Orenda Marine Engines - Trailer Traffic Control System

Dashboard > Trailer List > Trailer No.

Back Report an Issue Admit

Trailer Information

Trailer No. T56 Shipper Name Alang Marine Services Current Status: Pending
 Shipper No. 101 Current Location:
 Seal No. S8908 Shipper Address 123 N Verdue Status: N/A
 B.O.L No. 10001 Ottawa Lot No. 145 Cost Incurred: N/A
 P.O No. 59001

Admit Trailer Submit

Current Contents

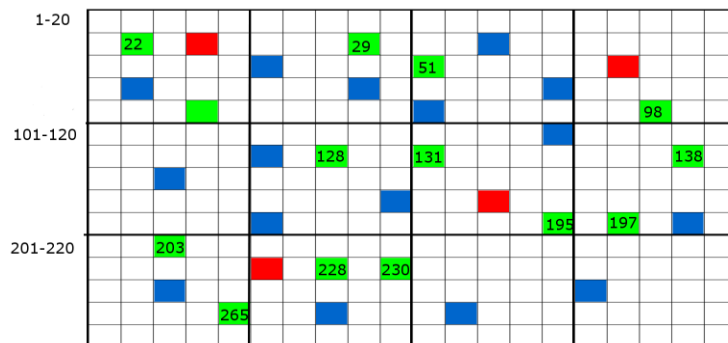
▼ Handling Units	▼ HU Type	▼ HM	▼ D	▼ NMFC#	▼ Class	▼ Weight(KG)
1	Pallets		Ignition Packs	360 22	100	5937.50 kg

Change Log

▼ Fields Changed	▼ Changed By	▼ From	▼ To	▼ Time of Change	▼ Note

Corey 7

Yard Map



Corey 8

Requests for Trailer Movements



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Requests – Dock Foreman

Orenda Marine Engines - Trailer Traffic Control System

Request Management

New Request Request Report

Filter/Search

Status:

Dock:

Bay:

Product:

Time of Delivery: 4/22/2012

1 32 am

Start Date: 4/22/2012

Exclude: ☒ Closed

Search

Request List

Request No.	Dock	Bay	Part	Status	Time of Delivery
12342	North	9		Open	4:00pm

Back 1 of ## Next

Jack 10

Requests – Dock Foreman Cont.

Orenda Marine Engines - Trailer Traffic Control System

Dashboard Request Management Request Report

Back New Request

Filter/Search

Status:

Dock:

Bay:

Product:

Time of Request: 4/22/2012

Time of Delivery: 4/22/2012

Search

Request List

Request No.	Dock	Bay	Part	Status	Time of Delivery
12342	North	9		Open	4:00pm

New Part Request

Part Request Request Empty Trailer Trailer Removals

Part:

Shipper:

Dock:

Bay:

P.O.:

Delivery: 11/14/2012

Notes:

Submit

Back 1 of ## Next

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Requests – Dock Foreman Cont.

Orenda Marine Engines - Trailer Traffic Control System

Request Management Request Report

New Request

Filter/Search

Status:

Dock:

Bay:

Product:

Time of Delivery: 4/22/2012

Start Date: 4/22/2012

Exclude: ☐ Closed

Search

Request List

Request No.	Dock	Bay	Part	Status	Time of Delivery
12342	North	9		Open	4:00pm
1001	North	7	Ignition Packs	Open	2:00pm

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Requests – Dispatcher

Orenda Marine Engines - Trailer Traffic Control System

Trailer Management

- Log an Arrival
- Departure Queue
- Trailer List
- Trailers by Shipper
- Broken Seal Incidents
- Trailer Repair Incidents

Driver Management

Drivers / Availability

▼ Driver	▼ Availability
Driver 1	Available
Driver 2	On Task
Driver 3	Off Duty
Driver 4	Off Duty
Driver 5	Available

Driver Manager

Request Management

Current Open Requests

▼ Dock	▼ Time
North	2:00pm
North	4:00pm

Request Management

Logout

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Requests – Dispatcher cont.

Orenda Marine Engines - Trailer Traffic Control System

Dashboard > Request Management > Request (1001)

Back

Request (1001) Change Log

Request Information

Dock : Bay : Foreman : Status : P.O No. :

Delivery : Part : Shipper Name :

Trailer Information

Trailer Selection Trailer Number : Shipper Number :

Driver Information

Driver Selection Driver Name : Current Task :

Notes:

Submit

Corey | 4

Requests – Dispatcher cont.

Orenda Marine Engines - Trailer Traffic Control System

Dashboard > Trailer List

Back

Search [Simple Search](#) | [Advanced Search](#)

Trailer No.: Shipper No.: Exclude: ☐ Empty ☐ Full ☐ Overdue ☒ Departed ☒ Pending

Trailer Status: Shipper Name: Contents: Ignition Packs And/or/Excluding: Arrival Date: 4/22/2012

Bill of Lading No.: Purchase Order: Lot No.:

▼ Trailer No.	▼ Shipper No.	▼ Shipper Name	▼ Contents	▼ Lot No.	▼ Arrival Date	▼ Overdue
T56	101	Alang Marine Services	Ignition Packs	145	11/14/2012	

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Requests – Dispatcher cont.

Orenda Marine Engines - Trailer Traffic Control System

Dashboard > Request Management > Request (1001)

Back

Request (1001) [Change Log](#)

Request Information

Dock: North Bay: 7 Foreman: Foreman North Status: Pending P.O. No.:

Delivery: 11/14/2012 2 00 pm Part: Ignition Packs Shipper Name: Alang Marine Services

Trailer Information

Trailer Selection Trailer Number: T56 Shipper Number: 101

Driver Information

Driver Selection Driver Name: Current Task:

Notes:

Submit

Corey 16

Requests – Dispatcher cont.

Orenda Marine Engines - Trailer Traffic Control System

Dashboard > Driver Manager

Back

Driver Manager

Search

Driver No. Driver Name Current Status

▼ Driver No.	▼ Driver Name	▼ Current Status	▼ Current Task
101	Driver 1	Available	
102	Driver 2	Available	
103	Driver 3	Available	
104	Driver 4	Available	
105	Driver 5	Available	

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Requests – Dispatcher cont.

Orenda Marine Engines - Trailer Traffic Control System

Dashboard > Request Management > Request (1001)

Back

Request (1001) [Change Log](#)

Request Information

Dock: Bay: Foreman: Status: P.O. No.

Delivery: Part: Shipper Name:

Trailer Information

[Trailer Selection](#) Trailer Number: T56
Shipper Number: 101

Driver Information

[Driver Selection](#) Driver Name: Driver 1
Current Task: 1001

Notes:

[Submit](#)

Corey 18

Driver Task Tracking System



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Task List

TTCS Driver Task Tracking

▼ Current Task	▼ Description	▼ Due	▼ Comp
<input checked="" type="radio"/>	Deliver Trailer to North Dock	2:00 pm	<input type="checkbox"/>
<input type="radio"/>	Remove Trailer from West Dock	3:30 pm	<input type="checkbox"/>
<input type="radio"/>	Deliver Order to East Dock	4:00 pm	<input type="checkbox"/>
<input type="radio"/>	Deliver Trailer to South Dock	10:30 am	<input checked="" type="checkbox"/>
<input type="radio"/>			<input type="checkbox"/>
<input type="radio"/>			<input type="checkbox"/>
<input type="radio"/>			<input type="checkbox"/>

Start

Finish

Report Issue

Task List

Current Task

Off Duty

Log Off

Ryan 20

View Task

View Task

Trailer #: T61

Shipper Number: 201

Pick Up: West Dock - Bay 11

Drop Off: Yard - 57

Complete Task for: 3:30 pm

Notes: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla quam velit, vulputate eu pharetra nec, mattis ac neque. Duis velutate commodo laoreet ac

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Task List

TTCS Driver Task Tracking

Current Task	Description	Due	Comp
<input checked="" type="radio"/>	Deliver Trailer to North Dock	2:00 pm	<input type="checkbox"/>
<input type="radio"/>	Remove Trailer from West Dock	3:30 pm	<input type="checkbox"/>
<input type="radio"/>	Deliver Order to East Dock	4:00 pm	<input type="checkbox"/>
<input type="radio"/>	Deliver Trailer to South Dock	10:30 am	<input checked="" type="checkbox"/>
<input type="radio"/>			<input type="checkbox"/>
<input type="radio"/>			<input type="checkbox"/>
<input type="radio"/>			<input type="checkbox"/>

Ryan 22

Current Task

The screenshot shows a mobile application interface for a 'Current Task'. The title 'Current Task' is at the top. Below it, the following information is displayed:

- Tailer #:** T56
- Shipper Number:** 101
- Pick Up:** Yard - 145
- Drop Off:** North Dock - Bay 7
- Complete Task for:** 2:00 pm
- Notes:** Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla quam velit, vulputate eu pharetra nec, mattis ac neque. Duis vulputate commodo lacinia ac.

At the bottom of the form are three buttons: 'Start', 'Finish', and 'Report Issue'. Below these buttons is a navigation bar with four tabs: 'Task List', 'Current Task' (which is highlighted), 'Off Duty', and 'Log Off'. A home button is located at the very bottom of the screen.

Ryan 23

Report Issue

The screenshot shows a mobile application interface for a 'Report Issue'. The title 'Report Issue' is at the top. Below it, the following information is displayed:

- Reason:** Broken Seal
- Additional Notes:** Broken seal was found upon inspection before beginning the task.

Below the notes is a 'Submit' button. At the bottom of the screen is a full QWERTY keyboard with a home button below it.

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Trailer Departures



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Marking for Departure

Orenda Marine Engines - Trailer Traffic Control System

Dashboard > Trailer By Company List

Back Print Report

Shipping Company A

▼ Trailer Number	▼ Location	▼ Arrival Date	▼ Status	▼ Due Status	▼ Overdue By	▼ Overall cost incurred	▼ Lot No.	▼ Depart?
T56	Lot	11/14/2012	Available		N/A	N/A	145	<input checked="" type="checkbox"/>
Q23	North Dock	On Task			N/A	N/A	12	<input type="checkbox"/>

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Orenda Marine Engines - Trailer Traffic Control System

Trailer Management

Log an Arrival

Departure Queue

Trailer List

Trailers by Ship

Broken Seal Incident

Trailer Repair Incident

Driver Management

Drivers / Availability

Driver No.	Driver Name	Availability
1	John Doe	Available
2	Jane Smith	Unavailable
3	Mike Johnson	Available
4	Sarah Brown	Unavailable
5	David Wilson	Available

Driver Manager

Request Management

Current Open Requests

Request No.	Trailer No.	Shipper No.	Time
1	T56	101	10:00
2	T57	102	10:05
3	T58	103	10:10
4	T59	104	10:15
5	T60	105	10:20

Request Management

Departure Queue

Trailer No.	Shipper No.
T56	101

Depart

Logout

A man in a dark suit is seated at a desk, viewed from behind. He is looking at a computer monitor which displays a web application with a blue header and several menu items. His right hand is on a black keyboard. The desk is cluttered with papers, a small calendar, and other office supplies. On the wall behind him is a large, ornate gold-framed painting of a harbor scene with a ship. To the right, an open doorway leads to another room where a bed and a small statue are visible.

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[illegible]

Expanded View

Orenda Marine Engines - Trailer Traffic Control System

Report Selection:

Incidents
Overdue Trailers
Overnight Trailers
Trailer Movements and Efficiency

Report parameters:

Time Period:
☒ Previous Week
☐ Previous Month

Show from:
☒ Warehouse - North
☒ Warehouse - West
☒ Plant - East
☒ Plant - South

[Fewer Options](#)

[Run Report](#) [Schedule Report](#)

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Conclusion

- Issue Resolution Through Accountability
- Asynchronous Requests
- Reliability

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Questions?

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