Innovative AI

OPTIMIZING PORT PERFORMANCE THROUGH ANTI-FATIGUE SYSTEM

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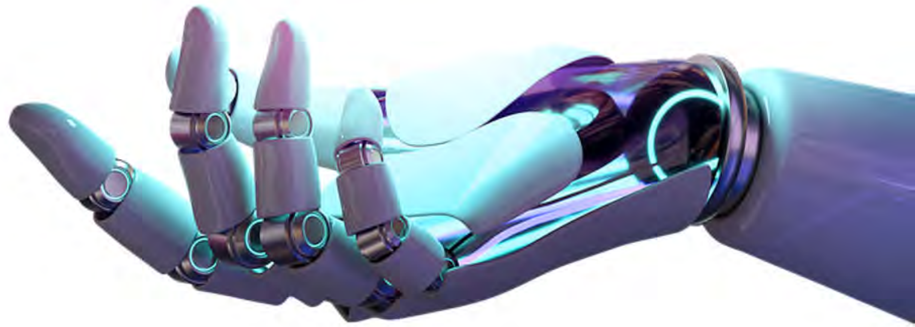


01 INTRODUCTION

02 CAUSE AND IMPACT

03 OVERVIEW OF AFS

04 CONCLUSION

01. Introduction

BRIEF PROFILE

Joint-venture company of Darussalam Assets Sdn Bhd & Beibu Gulf Holding (Hong Kong) Co. Ltd

MISSION

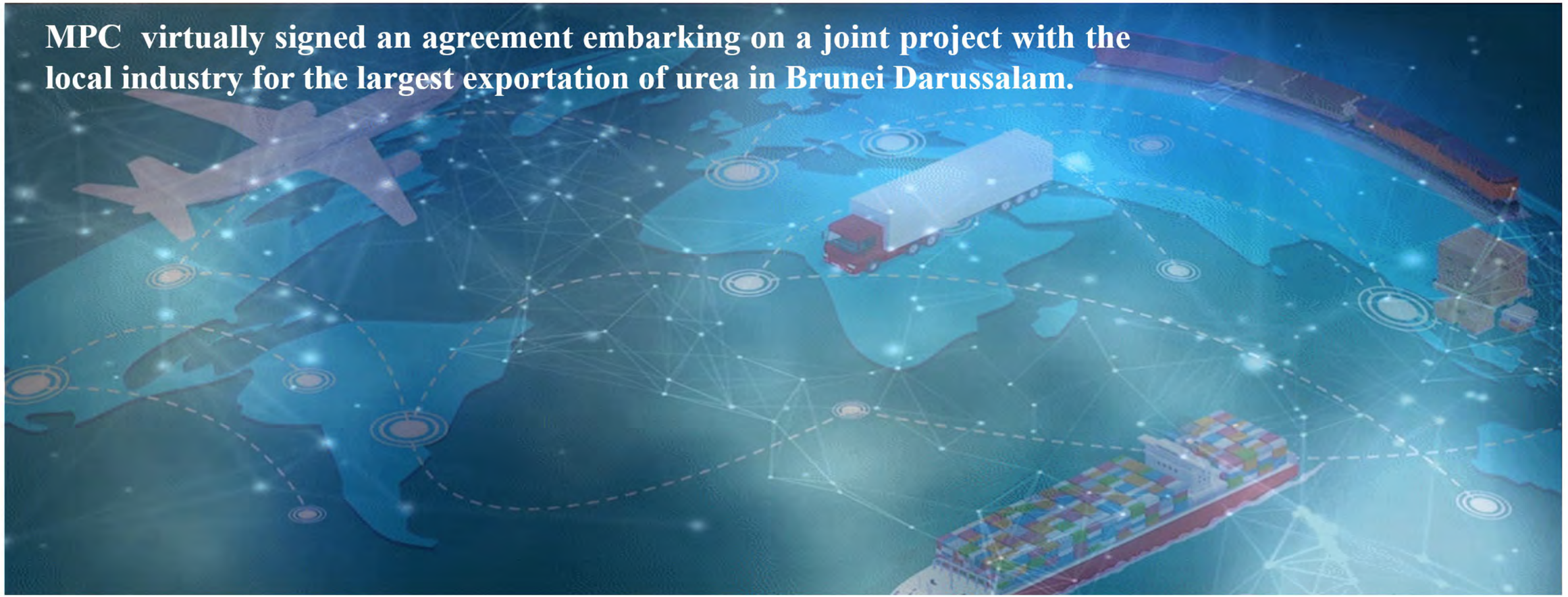
Improve port efficiency and overall logistics in Brunei

VISION

Become a world-class regional hub

01. PROJECT OVERVIEW

TRANSPORTATION, EXPORT AND PORT-HANDLING SERVICES



01. PROJECT OVERVIEW

BRUNEI FERTILIZER INDUSTRY

MUARA PORT COMPANY SDN BHD

Round-trip commute covers a total of 192 km

120 Trips = 2,760 metric tons daily

30,870 Trips = 710,000 metric tons annually

03. Overview Anti Fatigue System

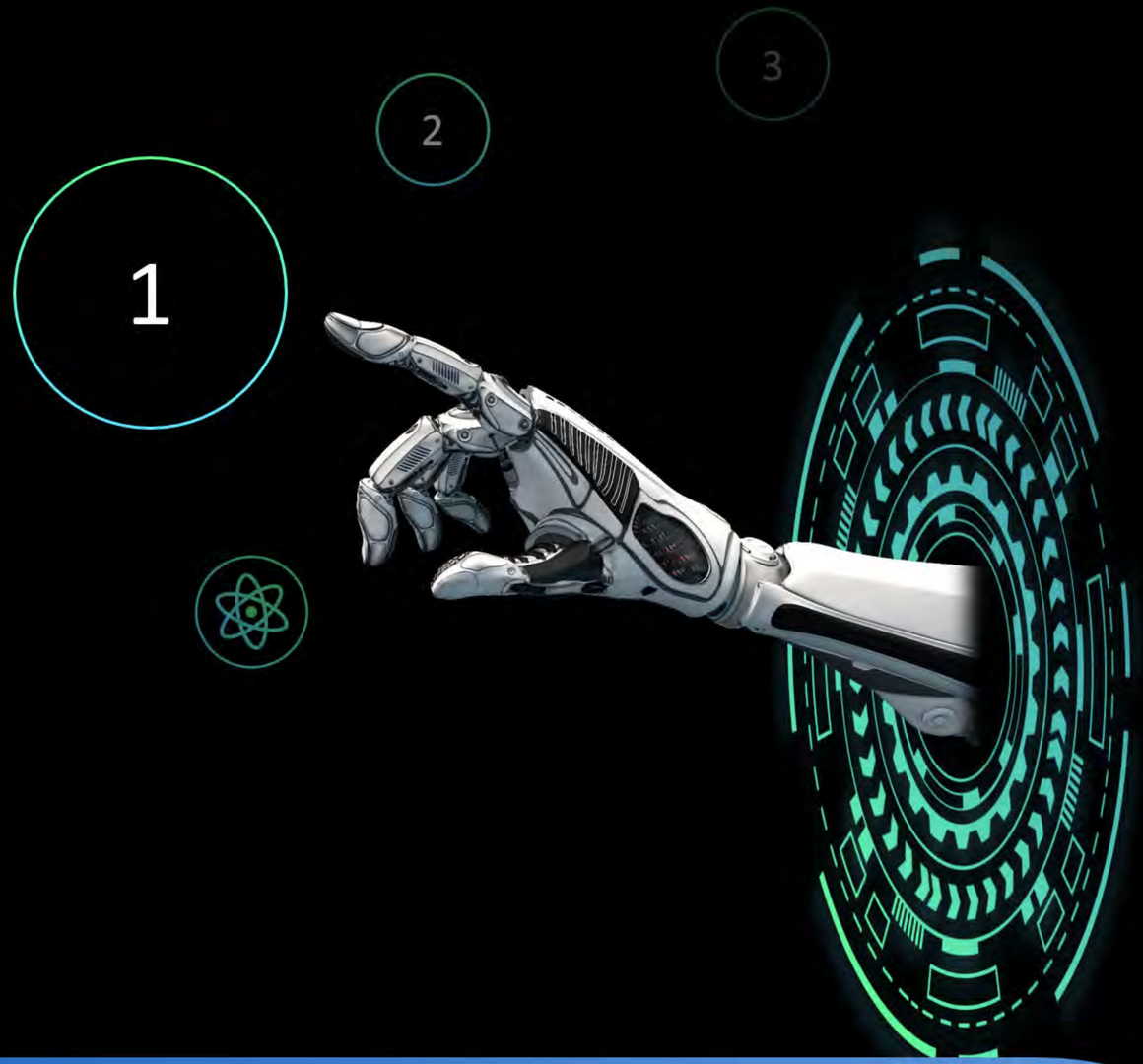
What is AFS?

An AI-powered Anti-Fatigue System is an intelligent driver monitoring solution that uses artificial intelligence to detect signs of fatigue, distraction, or unsafe driving behavior in real time.

03. Overview Anti Fatigue System

Real Time Monitoring

Enables monitoring personnel to track the current location, driving status, and other live data of specific company vehicles.

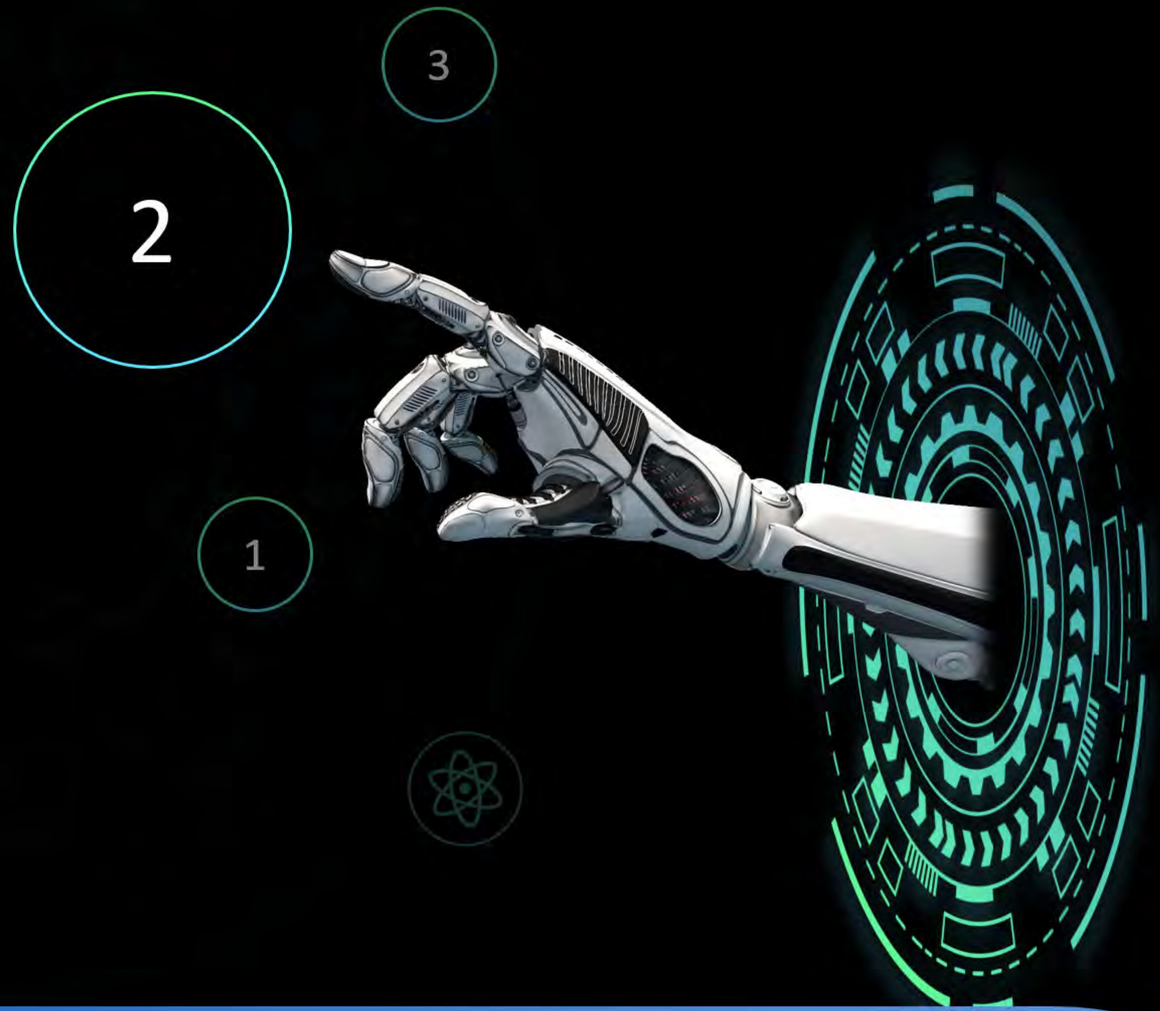


03. Overview Anti Fatigue System

Real Time Monitoring

Alarm Tracking

Provides real-time access to alarm notifications for quick response.



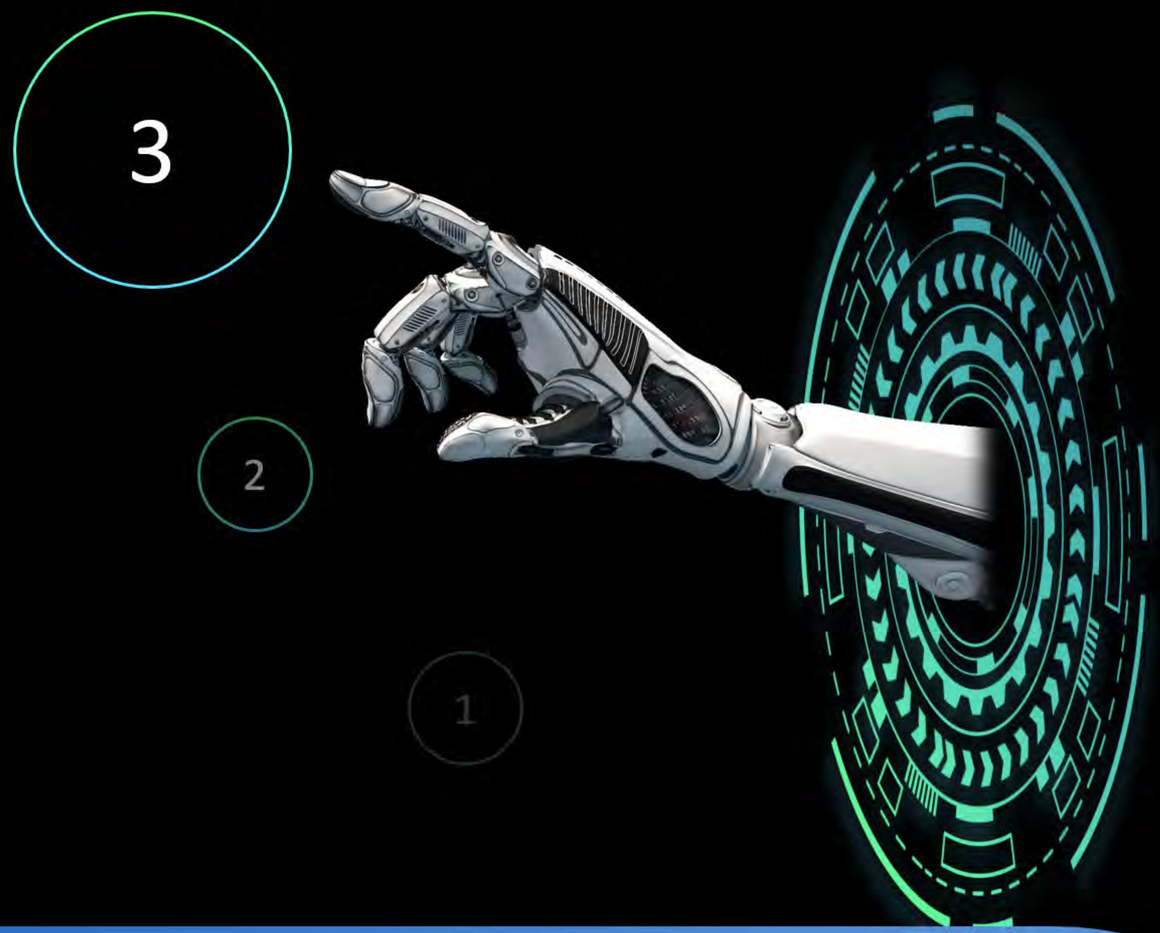
03. Overview Anti Fatigue System

Real Time Monitoring

Alarm Tracking

Performance Tracking

Monitor the time and distance taken by a driver for specific tasks.



MPC

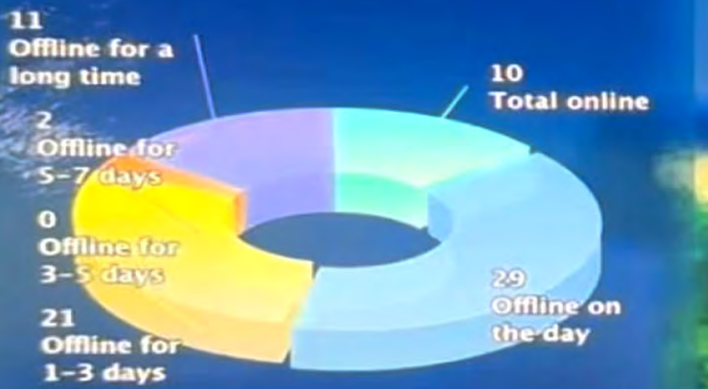
Select a vehicle

73
Vehicle quantity

5
Total number of trips

342409
Total mileage of the month (km)

数据统计



Total online	10	Offline for 1-3 days	21
Offline on the day	29	Offline for 3-5 days	0
Offline for a long time	11	Offline for 5-7 days	2

里程统计

Total mileage of the day 1380 KM

当日里程统计

No.	plate number	Department	Mileage of the day (k
37	BBG1118	ECONOPAK	0
38	KP901	MEGALIFT	0
39	BAN6819	MOC	0
40	BBG5907	KEKALMAJU	0
41	BAN7819	MOC	0
42	KL2583	MEGALIFT	0
43	BAC3819	MOC	0
44	KP3825	MEGALIFT	0
45	BAJ4819	MOC	0
46	KR6735	MEGALIFT	0
47	KD9885	MEGALIFT	0
48	KP3892	MEGALIFT	0
49	BBB7319	KELIBANEMAS	0

03. FEATURES ALARM

Alarm Type: Driver Tired
Voice Alarm Content:
Please take a rest.

03. FEATURES ALARM

Alarm Type: Phone
Voice Alarm Content:
No Phone Call

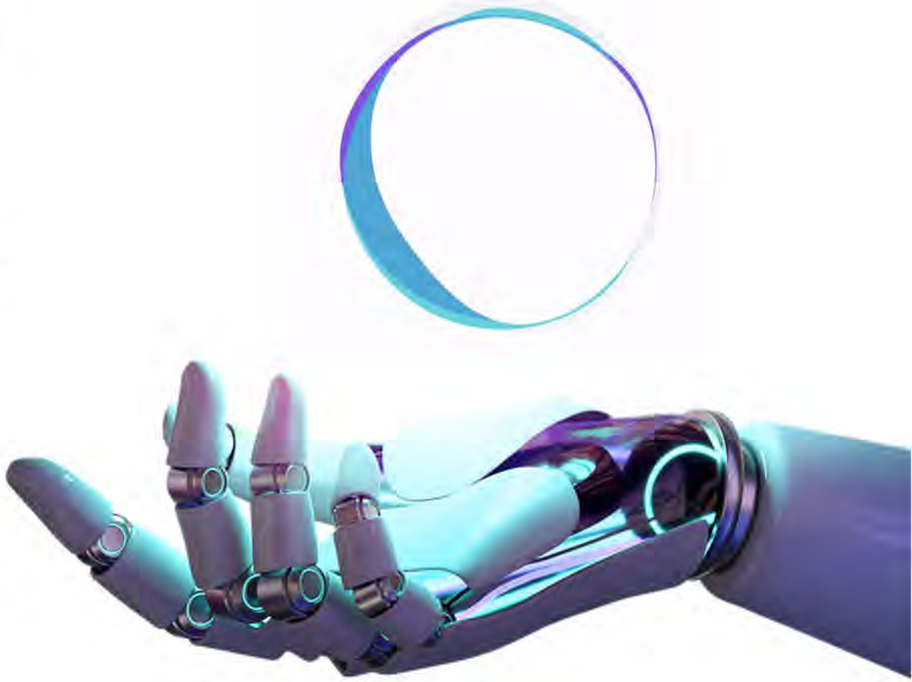
Conclusion

OPTIMIZING PORT PERFORMANCE THROUGH ANTI-FATIGUE SYSTEM

By integrating the Anti-Fatigue System into port logistics operations, we enhance safety, efficiency, and overall performance.

Real-time driver monitoring, live vehicle tracking, instant alerts, and performance data all contribute to better decision-making and reduced risks.

With AFS, we not only protect our drivers but also improve operational flow, minimize delays, and support a safer, smarter port environment.



THANK YOU