

Safe Boarding

Desmond Goh, QHSSE Manager, GAC Singapore
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Delivering your strategy.

About GAC Group



- Dedicated to delivering all your shipping, logistics and marine services needs globally since 1956
 - Emphasising world-class performance, a long-term approach, innovation, ethics and a strong human touch, GAC delivers a flexible and value-adding portfolio to help you achieve business growth
 - GAC's brand promise "Delivering your strategy." pledges to put our customers' ambitions and strategic targets at the heart of everything we do
- >300** offices **>50** countries **>8,000** dedicated professionals





Worldwide Network

Americas

- Bahamas
- Brazil
- Guyana
- Panama
- Trinidad & Tobago
- Uruguay
- USA

Africa

- Angola
- Benin
- Egypt
- Ghana
- Ivory Coast
- Kenya
- Namibia
- Nigeria
- Senegal
- South Africa
- Tanzania
- Togo

Europe

- Belgium
- Cyprus
- Denmark
- Finland
- Germany
- Gibraltar
- Greece
- Ireland
- Netherlands
- Norway
- Poland
- Russia
- Sweden
- Turkey
- United Kingdom

Asia Pacific & Indian Subcontinent

- Australia
- Bangladesh
- China
- Hong Kong
- India
- Indonesia
- Japan
- Pakistan
- South Korea
- Sri Lanka
- Malaysia
- Philippines
- Singapore
- Taiwan
- Thailand

Middle East

- Abu Dhabi
- Bahrain
- Dubai
- Fujairah
- Iraq
- Jordan
- Kuwait
- Lebanon
- Oman
- Qatar
- Ras Al Khaimah
- Saudi Arabia
- Sharjah
- Yemen



Marine (M)

- Abu Dhabi
- Kazakhstan
- Turkmenistan

Headquartered in Dubai, with regional offices in Rotterdam, Houston, Dubai and Singapore

Note: The ability to undertake work in relation to these territories is based on the applicable sanctions as at the date of the request received.



The World of GAC Services

Shipping



Bunker
Fuels



Canal & Straits
Transits



D/A
Management



Hub
Agency



Hull
Cleaning



Husbandry
Services



Launch
Services



Maritime
Training



Protecting
Agency



Ship
Agency

Logistics



Contract
Logistics



Freight
Services



Land
Transportation



Project
Logistics



Ship Spares
Logistics



Supply Chain
Management



International
Moving

Marine



Offshore
Support



Rig Moving
Operations



Tug & Barge
Operations

Ethical & Compliant



- Formalised approach underpinned by GAC Code of Ethics and GAC Spirit
- Key policies:
 - Anti-Corruption & Bribery
 - Anti-Money Laundering
 - Sanctions
 - Health, Safety, Security & Environment (HSSE) etc
- Full compliance with anti-corruption regulations such as US Foreign Corrupt Practices Act (FCPA) and the UK Bribery Act 2010

Committed to ensuring compliance, honesty and transparency in everything we do



Strong HSSE Policy



- Good HSSE management is essential to the well-being of our employees, their families, customers and all GAC's stakeholders
- Our attitudes, actions, processes and equipment reflect our group-wide commitment
- Robust HSSE Management Systems prevent HSSE-related incidents and reduce their impact
- Continuous training and active feedback for improvement



Our commitment to HSSE is based on constant vigilance and attention to details



Safe Boarding of Vessels





“Everything in life has some risk. What you have to actually learn to do is how to navigate it.”

- Reid Hoffman

Pilot Boarding Arrangements Poster



INTERNATIONAL
MARITIME
ASSOCIATION

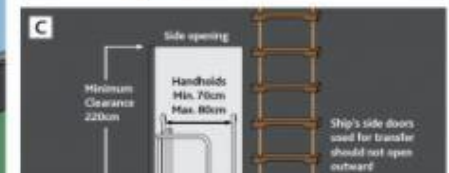
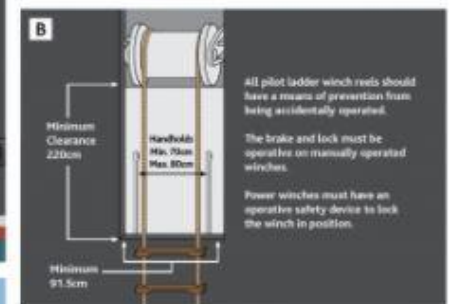
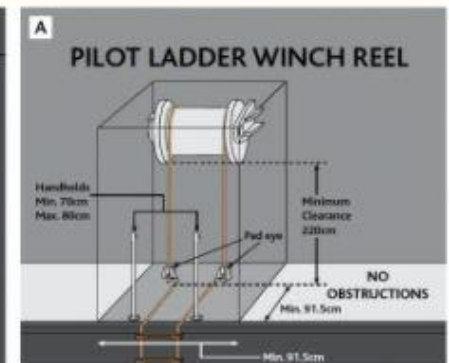
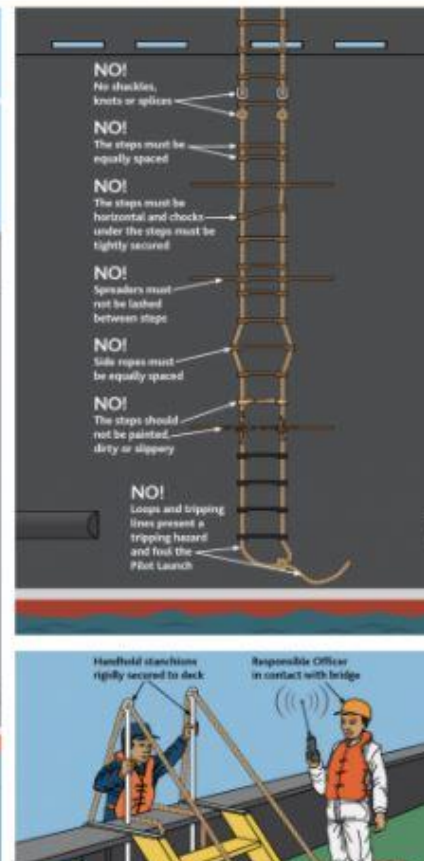
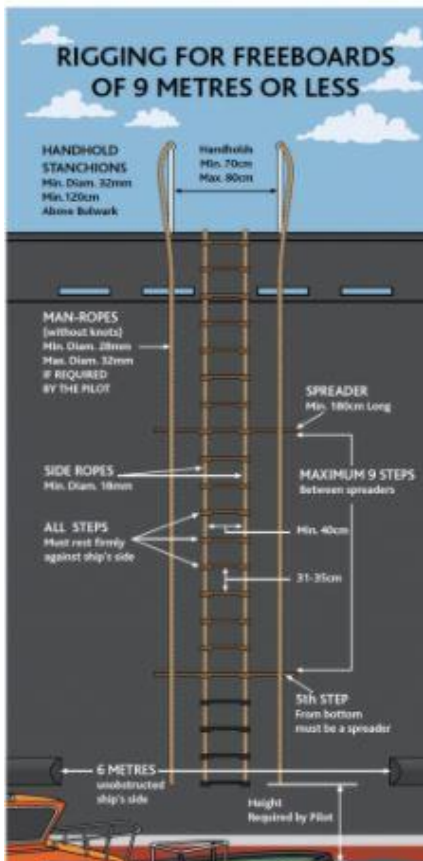
REQUIRED BOARDING ARRANGEMENTS FOR PILOT

In accordance with SOLAS Regulation V/23 & IMO Resolution A.1045(27)

INTERNATIONAL MARITIME PILOTS' ASSOCIATION

H.Q.S. "Wellington" Temple Stairs, Victoria Embankment, London WC2R 2PN Tel: +44 (0)20 7240 3973 Fax: +44 (0)20 7210 3518 Email: office@impahq.org

This document and all IMO Pilot-related documents are available for download at: <http://www.impahq.org>



IMO/IMP's Pilot Boarding Arrangements poster, also issued as part of IMO Circular MSC.1/Circ.1428, and which depicts the pilot boarding arrangements required by SOLAS V/23



Risk Assessment Process



"Deadly Dozen"

UK Maritime and Coastguard Agency (MCA) has come up with "Deadly Dozen" highlighting issues to be aware of when it comes to human factors affecting maritime safety, such as habits, mindfulness, fitness for duty, ability and communication.

<https://safety4sea.com>





Common Causes of Incidents

Fatigue



Distractions, e.g. use of mobile devices



Influence of alcohol or drugs



Best WSH Practices



- To have minimum manning of two persons:
One boatman and one deckhand
- Deckhand can assist passengers in need, e.g. during embarkation/ disembarkation, emergencies and also help the boatman to keep a lookout



Safe Boarding Tips



Checklist to ensure safe boarding



Training



- Pilot ladder safety course
- Man overboard



- Basic CPR





Initiatives to Influence Employees to Adopt Best Practices

PEERS: Put Extra Efforts into Recognising Safety

Since its Introduction in 2015, the programme has recognised and rewarded the crew of GAC Singapore's launch service who comply with the company's stringent safety and housekeeping requirements. To date, more than 100 crew members have been rewarded under the programme.





Initiatives to Influence Employees to Adopt Best Practices

Fatigue management

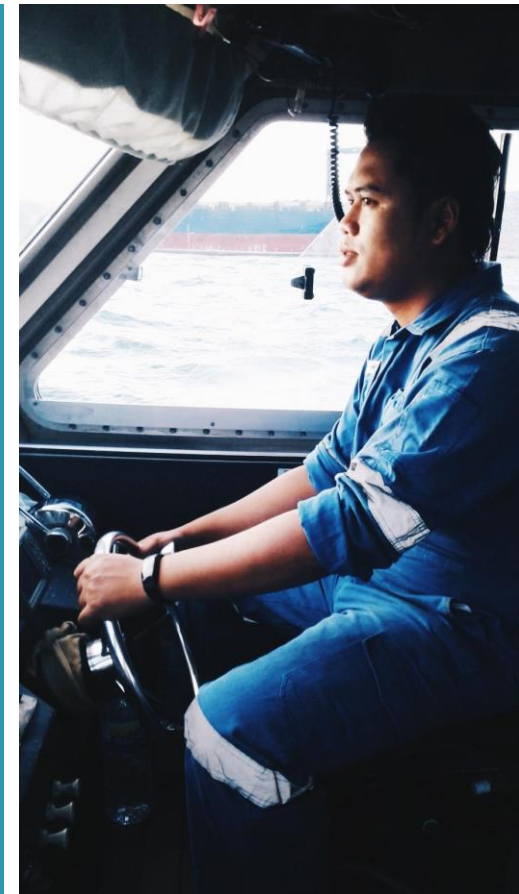
15 GAC Singapore agency, warehouse and transport staff wearing Readibands at work, as part of a trial in collaboration with Lloyd's Register to tackle fatigue in the workplace.

Readiband is a mobile application-based device which draws on 25 years of research into Biomathematical Fatigue Modelling, an algorithm developed by the US Army Research Lab, to enable individuals to measure, manage and reduce their tiredness levels.

The results were analysed to form the basis of recommendations of ways to reduce fatigue, both in the workplace and at home.

Fight fatigue!

- Include power nap of at least 20 minutes and at most 30 minutes to avoid falling into the deeper stages of sleep;
- Avoid safety critical work immediately after a nap to avoid adverse sleep inertia effects.
- Exercise stop work authority





Initiatives to Influence Employees to Adopt Best Practices

Working together to reduce risks

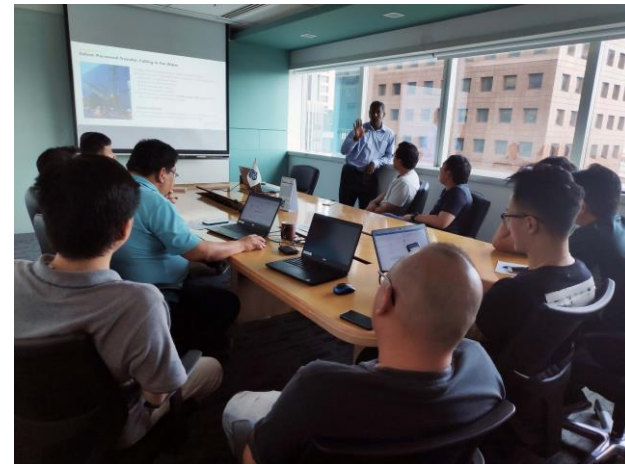
GAC Singapore is working closely with one of our key customers to reduce the risk of incidents during personnel transfers.

The customer recruited GAC Singapore to its pilot programme to bring the numbers down. GAC stepped up by organising engagement sessions with its boarding officers to raise awareness of the drive to cut the number of unnecessary transfers. We also issued officers with waterproof pouches to carry documents.

Results

In a two-week trial, 78 transfers were made while 43 (approximately 55%) were avoided. Instead of going aboard the customer's vessels, GAC's boarding agents coordinated the operations by phone, email and transfer of documentation in waterproof bags by the launch crew.

The customer's internal review in 2018 revealed a high number of incidents such as people falling into the water whilst boarding or leaving their vessels by the pilot ladder or gangway. Analysis showed that only 25% were operationally necessary, 20% could be reduced and 55% could have been avoided altogether.

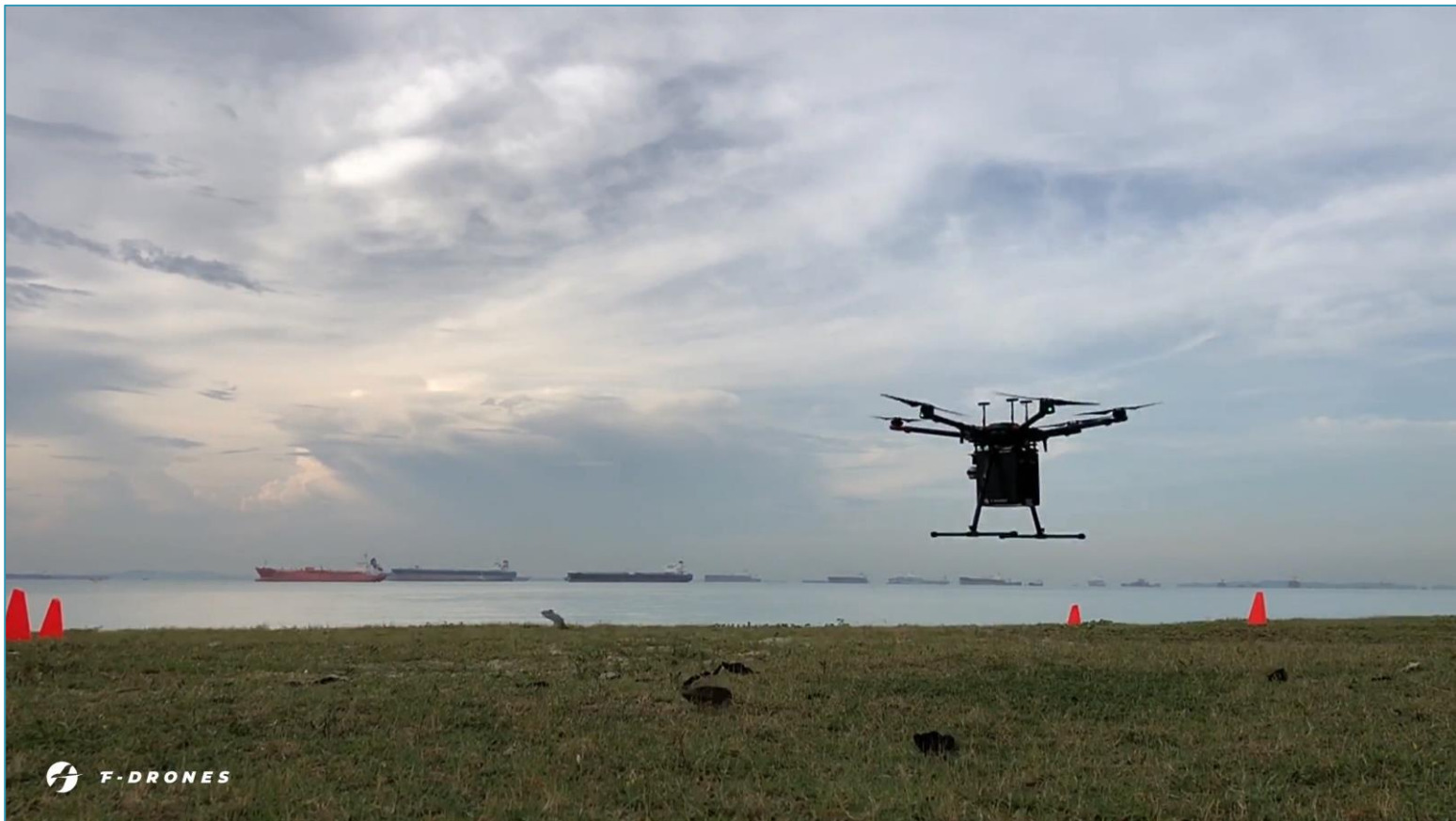


Technology



Use of drones

Minimise boarding, where possible



Thank you

gac.com/singapore



Delivering your strategy.