

**Business Case: Centralized Hub for HSSE Digital Platform**

**General Information**

SG Integrated Pte Ltd is a specialized haulier and storage service provider catering to the oil & gas, chemicals, and liquids sectors. Given the highly regulated nature of this industry, safety and regulatory compliance is a critical factor and often serves as a key criterion during client tenders and procurement processes, as well as periodic audits and reviews by regulatory and certification bodies.

To streamline the vast amount and variety of process checks, documents, forms, and data related to the safety, compliance and sustainability aspect of the business, SG Integrated Pte Ltd seeks proposals for a methodology and digital solution that integrates all processes and functions into a comprehensive HSSE Platform, accessible to management, staff, drivers, and warehouse operators. In addition, a new approach to training and safety information dissemination to the users while ensuring minimal disruption to work is needed.

- **Key Activities**

Transportation and Storage of ISO Tank Containers, General Purpose Containers, FlexiTank Containers and smaller liquid containers such as Drums, Intermediate Bulk Containers (IBCs), Cans, Pails, Bags. Liquid Transfer, Emergency Response and Spillage Clean-up are also part of the company’s service scope. Markets serviced include Speciality Chemicals, Petroleum & Fuels, Oils & Lubricants, Foods & Feed, Resins & Polymers and General Cargo.

- **Key Equipment / Assets**

SCDF Hazmat Approved Prime-Mover Vehicles, 20” & 40” Trailers, Boxed & Curtain Trailers, Boxed LCL Trucks, ISO Tanks, Liquid Cross-pump Equipment, Forklifts & Reach Trucks, Warehouse Equipment, Emergency Response Equipment. Other assets include Container Transit Yard, Warehouses, Trailer Yard.

- **Key Certifications**

ISO 9001:2015, ISO 45001:2018, BizSafe Level Star, Commitment to Responsible Care. Awards include PSA Most Safety Conscious (Driver) Award 2021, SLA & WSHC Supervisor Award 2022, WSHAsia Outstanding Safety Practitioner Nominee 2024, SLA #LOGNextGen Award 2024.

**Issues Encountered**

Attempts at creating a Centralized Hub for the HSSE function of the business has been a challenge due to various reasons, such as user accessibility, hardware restrictions, lack of manpower and digital expertise, digitalization inertia, usability and effectiveness.

- User Accessibility – An objective of the hub is for users at all levels to access, i.e. drivers to input records, warehousemen to upload photos of incoming cargo, and management to monitor, therefore accessibility and UI is critical for the platform to work; drivers and warehousemen often have limited literacy and digital literacy, and language barriers also presents itself as a challenge
- Hardware Restrictions – Some delivery locations restrict the use of any personal telecommunication device such as mobile phones, tablets, walkie-talkie, driver therefore face difficult of updating information into the Hub at the correct time

Users of the Hub should include HSSE officers, customer service officers, traffic controllers, drivers, warehouse operators, forklift drivers, technicians, etc.

## Requirements

Functions required by means of a Centralized Hub or other solutions include:

1. Near-Miss, Incidents and Accidents reporting and monitoring
2. Checklists – Daily Vehicle Checklist, ISO Tank / Container Pre-Delivery Check, Warehouse Equipment Check
3. Digital Documentation - Photo taking and uploading of DO / DN/ DT, Depot Receipt, Weighbridge Tickets, Lorry Chit, etc
4. Recommendation on an approach to training, safety information and incident sharing dissemination with minimal disruption to work

## Open House

The Open House will be on at **UBTS Hub, 8 Tanjong Penjuru Block B Level 1, Singapore 609019**, on the following dates :

- 2 May 2025 – [ Anytime\*\* ]

\*\* each slot will be approx. 1hr

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**Team leader to send email to the contact person in advance regarding the number of persons going to the open house. (SGI: Please send email to both person)**