

UK Club's 150th Safety Competition Project

Project Title: S.L.A.M System

Members:

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What is S.L.A.M system?

- S.L.A.M Systems (Safety Locator Assistance Monitoring System) that aims to enhance present safety systems and procedures to ease and assure the life of seafarers worldwide.

Our Goal:

- To reduce accidents on-board vessels while at work by increasing safety by using our product that implements a system, we made that is easy to operate, assures safety and most importantly prevent injuries and save lives.

Functions in S.L.A.M System?

- No acknowledgement functions
- Fall detection function
- S.O.S function
- Able to store basic medical info of the user

How It Works?

➤ **Basic Standard Operation**

- A long-range RFID reader will automatically detect the device and acknowledge the engineer in the room.
- It actively tracks the location of the engineer within the high-risk area.
- A notification will alert the engineer every 10 mins to ensure that he is all right

➤ **No Acknowledgement Function**

- The device will alert and vibrate for another additional 5 mins if the engineer fails to press the acknowledgement button.
- The device will then send an alarm to the engine control room or the officer in charge.
- The officer in charge then will sent a rescuer to verify the status of the engineer.

➤ **Fall Detection**

- Operate as named, it detects falls of personnel at any time
- If within the time limit (5 minutes) that personnel do not respond to the fall prompt, the device will automatically send a S.O.S or emergency signal to the first response personnel (most likely captain or safety officer onboard)
- The device then informs the first response personnel of the incapacitated engineer location within the High-risk area.

➤ **Emergency Function**

- In the event the engineer does not respond to the Fall Detection Alert, Acknowledgement or if the S.O.S button is activated, the device will then alert the master controller at the ECR and the officer in charge will be notified.
- The location of the casualty will be notified to the rescuer.
- When the casualty is discovered, the rescuer can check his device for basic medical information on the casualty.

S.L.A.M System