

SUCCESS STORY



# HSE Process improvements in Gulf of Mexico (GoM)



## Client Overview

The client is a large integrated oil and gas company involved in exploration & production worldwide.

Some of the key facts regarding their operations in Gulf of Mexico

- 20+ platforms
- Approx. 100-150 flights per month
- More than 7000 passenger movements per month



### The Context

The client has employees working in various locations like on offshore assets and in high-rise offices. Due to hostile work environment (especially on offshore assets), safety is given top priority. But the client lacked specific processes or tools to track safety compliances and reduce risks. Apart from this tracking of resources and personnel on the board (PoB) or in transit was another major concern area.

**Some of the other significant challenges faced are given below**

- RotaryWing accident in 2008 resulted in 8 fatalities
- Assessment of the incident revealed that some of the passengers could not escape from the helicopter due to smaller sized windows
- Safety improvement study resulted in adopting a new process for dispatch operations known as Escape Window Passenger Compatibility (EWPC), but no method to ensure compliance
- Travel/training documents were not tracked and validated properly
- Large scale of operations making it difficult to monitor safety & compliance



### The Solution

IBS implemented iLogistics Aviation and PoB module, the system integrated and streamlined the offshore logistics and personnel on board (PoB) operations. iLogistics is a multi-modal logistics management system designed to manage logistics operations pertaining to exploration and production (upstream) operations of oil and gas companies. Manages end-to-end logistics operations which covers planning and execution, tracking, performance analysis and benchmarking.



#### Features

- ✓ Process change with physical frames being used by Helicopter Landing Officers' to determine if a passenger can egress out through them
- ✓ System was configured to have EWPC as a compliance for manifesting
- ✓ Automated No Fly List and Drug Test Validations put in place as a part of iLogistics implementation ensuring strict compliance of HSE regulations for offshore travel
- ✓ Kiosk based check-in ensured correct passenger identification for travel
- ✓ Reporting of all aviation operations, variances and KPIs for analytical/auditing purposes
- ✓ Travel and training document validation during the planning phase



## Benefits realized

With producers shifting to extract resources from increasingly harsh environments, new technologies and drastic innovation are required to improve HSSE practices to make personnel and material transportation safer. iLogistics offers a proactive and systematic approach for managing health and safety risks, defining strategies for control actions and thereby enhancing the brand identity.

**Some of the key benefits realized by the client are given below:**

- Ensured increased safety and zero loss of time & life
- System automation enabling optimized booking/seat planning & dispatch operations
- Courses, licences, permit validation ensured only the right person travels
- Real-time visibility of PoB ensuring easy evacuation during emergencies
- Reduced costs associated with accidents and incidents
- Improved adherence to regulatory compliance



## About IBS

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