

## Global EPC contractor streamlines on-site employee data through the Emergency Response System for successful evacuation during emergencies



### The Objective

The global EPC was seeking a solution for the emergency response team which was efficient enough to regularly monitor and update employee records; the data which forms the basis to carry out a safe and efficient evacuation of onsite staff. The objective was to have an emergency response management solution which could validate and verify on-site workers in real time.

### The Challenge

Emergency situations required high-level collaboration between the ERT and the exploration companies, to ensure optimal safety levels for all stakeholders

The major challenges faced by the ERT were:

- Safety risk of onsite rig workers.
- An Absence of an accurate record of onsite and evacuated staff leading to faulty verification of this staff category.
- An Inefficient system of regular and timely updates of employee records.
- Ineffective Emergency Response Management Systems for large oil/gas or petrochemical operating companies.
- The Absence of an operative checklist for tracking employees working onboard.
- Obsolete manual tracking mechanisms. The above necessitated the development of the Emergency Response Management Solution with the following features:
- Unable to track the off-shore evacuated workforce efficiently during emergency situations or disasters.
- A system which could monitor accurate data of rescue operations and maintain a corresponding synced off-shore repository for data retrieval at any location.

## The Solution

iSON Technologies implemented the Emergency Response System (ERS) Solution; an intelligent, end-to-end automated mobile offering that captured employee information such as Employees' ID details, Personal bio-data, Photograph, Proof of Identity (POI) & Biometric Fingerprints, as required by the business and used this information to create a detailed Manifest of on-rig evacuated employees, which was regularly verified & updated on the centralized HRMS System.

The Smart ERS Solution comprised of the following components:

- Custom built TABLET with an integrated Camera and readers for Biometric, Smart Card and Passport information
- GPS to track devices
- Battery for Local Storage Device
- Evacuation checklist & procedures
- Printer
- Mobile application to capture employee details and integrate the same with back-end HRMS and other IT systems
- Service desk to manage all client issues

## The Benefit

1. Automated and Seamlessly Integrated Process: Single, synced application for capturing & tracking employee's information digitally through TABLET devices in a faster, convenient, automated and more effective manner. Integration with central HRMS and other backend systems facilitated efficient capture, tracking, and update of valid on - rig employee information, allowing for faster & effective retrieval at any location under emergency situations.
2. Offline /Local Storage & Response: During the crisis, in areas with limited data connectivity, an updated copy of employee information was captured and stored on the Device which could be retrieved instantly.
3. Effective Normalization: Previously, 90% of application data were non-normalized. With iSON's ERS Solution it was 100% normalized, as all data was electronically captured, via a configurable application which allowed data capture from multiple sources – Employee Id, MRZ, Smart Card, RFID etc.