



Case Study

Enhancing Safety Performance

HSE Credibility System

The Intervention

The HSE Credibility System was initiated in 2016, in our Jamnagar project to track the Unsafe Conditions and understand the involvement of our execution teams in HSE compliance procedures. The intervention helped in not only enhancing HSE ownership among execution engineers, but also served as a tool to understand safety statistics- reporting & resolving safety related incidences in a timely manner.

The Solution

The program is strategized to increase levels of ownership among execution engineers. In accordance with the HSE Credibility System, Execution engineers are required to handover a copy of their daily task plans to the HSE Engineers.

The Daily Task Plans comprise of the following details

- Specifics Related to the Activity
- Number of workmen required
- Location of Activity.
- Names of Sub-contractors
- Categorization of the activities into High/Medium/Low Risk activities based on injury potential

The execution engineers are required to calculate maximum credible points that could be earned by carrying out all the activities in the daily task plans without creating unsafe actions. The following day, post the submission of the Daily Task Plans the Execution and HSE engineers participate in inspecting the site activities in accordance with the Daily Task Plans; all observations in relation to unsafe incidents are recorded by the HSE engineer. To create an efficient data collection and analysis mechanism, all observations related to unsafe conditions are coded. Based on the unsafe actions observed, corrective measures are put in place on the spot; the same is recorded in the HSE passport of the workmen. Based on risk levels of the observed safety incidences, HSE engineers deduct credible points and arrive at a net score (Deducting observed scores from achievable credible scores).

The execution engineers can redeem their score through involvement in Toolbox Talk, one on one communications, counseling, closing observations made in the Daily Task Plans etc. Additionally, points get added due to the positive activities instilled by HSE engineers. Lastly, HSE Engineers submit their observations, updating the status (closed or open) and net scores of the execution engineers, taking into account the positive activities undertaken by the execution engineers.

To further strengthen the credibility of the systems and ease implementation and monitoring, we are currently working on digitizing the entire system.





Outlook for the Digitized System

Through the digitized HSE credibility systems, details on UA UC analysis, site areas, site engineers, assigned HSE supervisors, sub contractors, safety observation details and safety assessment graphs can all be obtained on one portal. Information on Daily Task Plans- project specifics, activity plans, observations, credits assigned, credit deductions etc. can be updated with ease through the mobile app. Observations raised are sent directly to the Site Engineer through system generated emails. If observations are not closed in a timely manner, automatic mails are sent to the section in charge, site HSE in charge and site engineers

The Benefits

- Creation of positive HSE culture in the organization.
- Holistic involvement in HSE activities, through involvement of execution engineers, in-charges and Sub-contractors.
- Low scorers as well as Weak areas/High Risk areas/activities and tasks can be identified.
- Reduced unsafe actions as execution engineers are motivated and disciplined to conduct activities in an extremely safe manner.
- With the newly digitized systems, benefits include ease in data handling, eliminating paper work and ease of communication among others.
- Digitized systems also enable ease in monitoring high risk activities from headquarters.



Create Observation

Select Observation Code: FSAH - Fire and Safety

Observation Description: FireSafty act high level

Select Site: GSFC

Select Area: Common

Select Site Engineer: CHAVAN SHEKHAR RAMACHANDRA CHL.

Select Section In charge: Mr. S Rajasekar

Select Contractor: Apex Logistics

Select Risk Factor: 3 - High risk activities

Workers Exposed: [Input field]

Score Card

(A) Activity Plan

Risk Level	Count	Score
High risk activities	3	0
Medium risk activities	0	2
Low risk activities	0	1
Total	0	0

(B) Credits

Activity	Score	Credits
Conducted STA / Toolbox talk for all gangs	20	0
PTW complied	20	0
Housekeeping	20	0
HSE inspection conducted with HSE Personnel	20	0
HSE observation closed on same day	20	0
Total credit score	100	0

MCAE

Access & egress: 00:15

Trail: 12-Mar-2018 18:44

Action taken: 12-Mar-2018 18:51

Creating Observation, Creating Credits and Sending Response