Glimpses of Best Practices

Occupational Health and Safety
Best Practices

Provision of spring return gate to avoid accidental fall

Third party training for behaviour based safety

Implemented @ ITC
Best Practices

Fresh air blower for confined space work

Pre – action sprinklers for cold rooms

Implemented @ ITC
Best Practices

EHS Gallery for ready reference

Road safety training for employees & certification

Implemented @ ITC
Best Practices

Automated head count- controlled access & exit

Barrel handling adaptors

Only safety cutters – No sharp tools

Implemented @ Castrol
Best Practices

Display of emergency response team at entrance

Monthly & quarterly review for GAP analysis

Risk assessment for each activity

Food for Thought – Meetings with workforce

implemented @ Castrol
Best Practices

- Automatic hydro jet cleaning of APH basket
- Robot interference for removing scrap in confined space
- Reach stacker usage for container loading / unloading
- Journey Risk Management & Traffic management

Implemented @ TATA Power
Best Practices

Online hydrant pressure monitoring

Hydrogen plant emergency trip
- Hydrogen Generation Plant – process trip
- Highest priority alarm in Central Control Room
- Alarm to Control Station
- SMS alert to area owner & designated authorities

Wireless fire detection & Alarm system

Implemented @ TATA Power
Best Practices

Digital applications for OHS review & Monitoring

Aerial survey by Drones

Motivational & Awareness programs by NGO

Visitor induction with Biometric validation

Implemented @ TATA Power
Best Practices

Modular erection concept - To avoid Work at Height

Secondary fall protection measures

Implemented @ L&T MMH
Best Practices

Bench Cutting for Excavation

Pedestrian Walkway

Implemented @ L&T MMH
Best Practices

**Tool Box aided with LED display**

**Material handling equipment tracker**

**Leadership commitment**

1. Over speeding is tracked on real time basis
2. Incase of Over Speeding, Auto Intimation gets to HSE & Planning Dept.
3. Consumption of Diesel is monitored

**Implemented @ L&T Hydrocarbon**

**Monthly site inspections by Senior Management**

**Periodic Contractor Evaluation**
Best Practices

Safety Innovative & Experimental Learning School

Implemented @ L&T Hydrocarbon
Best Practices

Periodical health check up & awareness programs

Food waste management - Composting

Area Ownership concept – For effective OHS implementation

Implemented @ Nuvoco Vistas
Best Practices

Periodical OHS system audits & Monitoring

Vehicles fitted with Close circuit cameras & GPS FOR Monitoring

Implemented @ Nuvoco Vistas
Best Practices

EHS Dashboard Display (leading indicators and Injury statistics)

Display boards for Training/Demonstration

Implemented @ PEPSICO
Best Practices

- Display of Work permit zones
- Site Display map of noise & illumination levels
- EHS workshops by external agencies

Implemented @ PEPSICO
Ergonomic Wheel chokes

Wheel guards for mobile equipment

Forklifts fitted with bright lights and hooters to warn while reversing

Implemented @ PEPSICO
Best Practices

Job specific PPE

- Gas & Chemical protective suit
- Conductive shield jacket
- Fire proximity suit

Special flow nozzle to enable single person operation of high pressure spray

Implemented @ Haldia Energy Limited
Best Practices

Low voltage, high lumen, Fire proof, heat proof lights for confined space jobs

Staff awareness & interactive programs

Off job awareness & interactive programs

Implemented @ Haldia Energy Limited
Best Practices

Electronystagmography test – for Height Pass

Framingham risk score - single point health score for asserting cardio vascular risk.
Best Practices

- Display of Motivational posters & work procedures in local language
- Display of incident learnings in local languages
- Safety on wheels – Viewing of safety videos at shop floors

Implemented @ UltraTech Cement - Unit Birla White
Best Practices

Mass community meetings

Daily tool box talk

Motivational & awareness programs

Implemented @ UltraTech Cement - Unit Birla White
MONTHLY THEME BASED CAMPAIGN

**THEME OF THE MONTH 360° MACHINE GUARDING**
An initiative of HSE & Sustainability department

**Internal Checking of Lifting Tools & Tackles**
Q-2 Inspection Colour Code - Green
Use Proper PPEs, Tools & Tackles & Follow SOPs
An initiative of HSE & Sustainability Department

**Safety Theme of the Month**
Checking the CAPA for Previous Fatalities
Are We Following The Same ???
BE SMART, STAY SAFE
An Initiative of HSE Department

**HSE Theme for the Month of Aug’ & Sept’17**
Connect with Vehicle Operators / Drivers
Are You a Safe Driver ???
600 Vehicles
1100 Operators/Drivers
BE SAFE, DRIVE SMART
An Initiative of HSE Department

Implemented @ Vedanta
Best Practices

**Internal systems**
- Monthly inspection planner for critical area’s/activities
- VFL by senior/middle management
- Monthly targets to each department for UC/near miss reporting
- Tool box talk documented before each job
- Permit to work in place for RA
- JSA being followed for all non routine/critical activities
- Review of each individual HIRA yearly considering past incident details
- Fire load assessment
- Grid owner system: 60 Grid owners across VAB

**External Services**
- HAZOP study conducted for each modification
- Yearly Electrical safety audit
- Industrial hygiene assessment
- CBM for machines, structural stability assessment, certification of all lifting tools & tackles
Best Practices

Safety sustainability systems

Implemented @ Vedanta
Thank you!!