



Confederation of Indian Industry



## Safety Symposium & Exposition

Safety Leadership Towards Vision Zero

8 - 9 August 2018; ITC Sonar, Kolkata

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### Suggested Topics of Discussions

#### Day I: 8 August 2018

1000 – 1105 hrs	Inaugural Session
Theme:	Safety Leadership Towards Vision Zero
1105 – 1125 hrs	SHE Awards Distribution
1125 – 1200 hrs	Tea Break & Stall Visit

#### **Session I: 1200 – 1330 hrs: Responsible Safety Leadership – Safety Culture**

Safety results seem to have reached a plateau, even amongst multinational companies having the best of infrastructure and facilities and exposed to international competition. Accidents continue to take place giving the lie to Vision Zero. This is where we need to develop technical leadership by using information technology and applying advanced mathematical and statistical tools to collect data and analyze for emerging patterns that can cause unsafe conditions. Prediction is very important. Also, the elimination of humans from unsafe work processes. In other words the next lead in safety is Smart Safety Leadership.

But the basics of Leadership will still be needed where it matters most, where the greatest numbers are employed or exposed. Governance, modern statutes through audits, is practical as well as combines appropriate technology for recording and lessening the scope of tampering with statistics. A preventive safety culture is not possible without a strong safety leadership that fosters a culture of commitment and accountability towards zero harm.

This session would cover the leadership elements and best practices available across industries.

1330 – 1430 hrs	Lunch Break & Stall Visit
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### Session II: 1430 – 1610 hrs: Asset Management and Infrastructure Integrity

Major accidents and disasters continue to haunt industry, which can be traced to maintenance issues, in spite of the latest equipment, work procedures and maintenance systems.

Asset Integrity across the enterprise is critical in managing Industrial assets and infrastructures effectively to gain maximum value, profitability and returns while safeguarding the people associated with it. Smart safety systems that collect, record and analyze online with feedback to the operators is one way. Case studies of industrial disasters are very important and must be a part of the on job training of all employees. 'What if?' scenario planning is a must since what is termed as 'freak' may actually be the culmination of a series of mis steps.

Today, we have the advantage of an ISO standard devoted to Enterprise Asset Management – the ISO 55000 series. This session would deliberate upon the different ways & means for management of assets and infrastructures to enhance the overall safety management.

### Session III: 1610– 1725 hrs: Fire & Electrical Safety

Fire costs life and money. The costs of a serious fire can be as high as it is unacceptable and intolerable for a business. Fire safety is actually one of many safety issues management must address to minimize the risk of injury or death to staff or the public. Unlike most of the other safety concerns, the fire has the potential to injure or kill large numbers of people very quickly.

Electricity makes our lives easier, but its potential for shock and fire-related hazards are often taken for granted. Actually, Electricity is a serious workplace hazard, exposing employees to electric shock, burns, fires, and explosions. Burns suffered in electrical accidents can be very serious – be it electrical burns, arc burns, or thermal contact burns. If the current involved is great enough, electric arcs can start a fire. Fires can also be created by overheating equipment or by conductors carrying too much current. Extremely high-energy arcs can damage equipment, causing injuries to humans. In atmospheres that contain explosive gases or vapors or combustible dust, even low-energy arcs can cause violent explosions.

This session will focus on the practical challenges industries face in terms of fire and electrical safety and their respective control measures.

### Stall Visit

### End of Day I



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### Day 2: 9 August 2018

#### Session IV: 1000 – 1115 hrs: Mining Safety

Mining safety in India is challenged by not being exposed to competition. Also, the vast majority of employment is in the disorganized sector of which little is 'officially' known. With the increasing mechanization of underground mines in coal and metal, we are bound to take a close look at – How safe are our mines?

Another disturbing trend is the increasing engagement of inexperienced contract miners for executing complex mining projects. It is imperative that outsourcing of core sector activities follows best in class norms e.g. by the Metro Railways or the NHAI.

The new Mines Act is a step in the right direction and we look forward to an active session that will throw up models of excellence and fresh ideas for moving mining safety closer to Vision Zero.

1115 – 1130 hrs            **Tea Break & Stall Visit**

#### Session V: 1130 – 1300 hrs: Technology, Digitization and PPE

Technology has, in some ways, made ourselves and our businesses more vulnerable, but it's also providing us with tools to combat the occupational health & safety risks that exist today. Organizations can ensure employee health and safety in a much predictable and consistent manner by digitization and tech-enabled infrastructure. Technology for the purposes of health and safety is gaining more traction due to the pressures placed upon organizations for monitoring, communications and to comply with laws and standards. The emergence of more sophisticated technologies like the internet of things (IoT) offers a fresh perspective on how workplace safety can be further improved.

Personal Protective Equipment, commonly known as PPE is known as the last line of defense in safety control hierarchy. They play a very critical role to protect the most vital asset – humans. Even where engineering controls and safe systems of work have been applied, some hazards might remain, commonly known as residual risk. PPEs are known to manage this residual risk well.

While selecting PPE, organizations are now working hard to make them adaptable to human physique and nature. While behavioral uses pose a threat to the effective use of PPEs; proper selection of the right PPEs & user experience are considered the success factors for the use of PPEs across organizations. Learning about the innovations, technologies and personal protective equipment which can be used for your industry also will be one of the important elements of this session.



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1300 – 1345 hrs

Lunch Break & Stall Visit

### Session VI: 1345 - 1500 hrs: Logistics & Road Safety

About 1.3 million people die each year on the world's roads and between 20 and 50 million sustain non-fatal injuries. Road traffic crashes are a major cause of death among all age groups and the leading cause of death among those aged 15–29 years.

Further, it is estimated that a significant number of road traffic collisions involve someone at work at the time. Operators frequently work on other businesses' or customers' premises, facing risks outside their direct control. As a result, there is often a lack of accountability/continuity in risk management through the transport/supply chain, compounded by a lack of awareness/ownership of problems created by one business and transferred to another. Because of the intrinsic cross-cutting nature of the logistics sector and the existence of several regulators, improvements in health and safety are only likely to be achieved by cooperation or joint action.

Logistics safety is all about managing the safety aspects related to logistics operations for a company involved in the inbound and outbound movement of materials covering a fleet & vehicular safety at the plant during loading/unloading, vehicular movement within the unit and of course during the journey in public roads. Drivers also play a very vital role in logistics safety and their ability, health, competence and mental condition play a key role in safe movements.

Coverage of the logistics & road safety risks and associated controls from different stakeholders will be a key deliverable for this session.

1500 – 1515 hrs: Tea Break

1515– 1630 hrs: B2B Meetings

Programme Concludes