



**ACS** College of Engineering

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**CET Code : E186 COMED-K : E003 PGCET : T918**



# SelectSmart Activity Report

On

Safety by Design

By Subash Bhatt

Environment, Safety and Industry Leader at Arcadis

## ACTIVITY REPORT

Activity Name & Date	Safety by Design on 11-Jul-2020
Activity Type	Lecture
Conducted By	CTDS Bangalore

### About the Activity:

This is a lecture / webinar activity presented by Mr. Subash Bhatt, Environment, Safety and Industry Leader at Arcadis, Bangalore

About the Mentor: (from his LinkedIn bio)

A Chartered Safety & Health Practitioner and a high performing individual who relishes working in a fast-paced, dynamic environment where I can utilise my problem-solving skills to deliver innovative and cost-effective solutions. My ability to assess the Environmental, Safety, and Health risks in various phases of the project, provides a pragmatic approach to managing risk, incorporating defensibility within the risk management solutions.

An effective networker with broad experience, who is also comfortable with communicating at all levels and making technical details comprehensible for informed decision making. A strong candidate with the drive to deliver, determination to succeed and the experience to ensure that stakeholders, from the frontline to senior leadership are involved, informed and updated as the situation demands.

Memberships and licenses:

\*Chartered H&S Practitioner (CMIOSH) - Institute of Occupational Safety and Health, UK

\*Fellow (FIIRSM) - International Institute of Risk and Safety Management, UK

\*Recognised Safety Practitioner (RSP) - International Institute of Risk and Safety Management, UK

\*Incorporated Member (IMaPS) - Association for Project Safety, UK

### Video Link of the Activity:

[https://drive.google.com/file/d/1cB0a\\_KT1x\\_Gh-vhOB68ndtVkd4-Dxwb8/view?usp=sharing](https://drive.google.com/file/d/1cB0a_KT1x_Gh-vhOB68ndtVkd4-Dxwb8/view?usp=sharing)

Invitation:



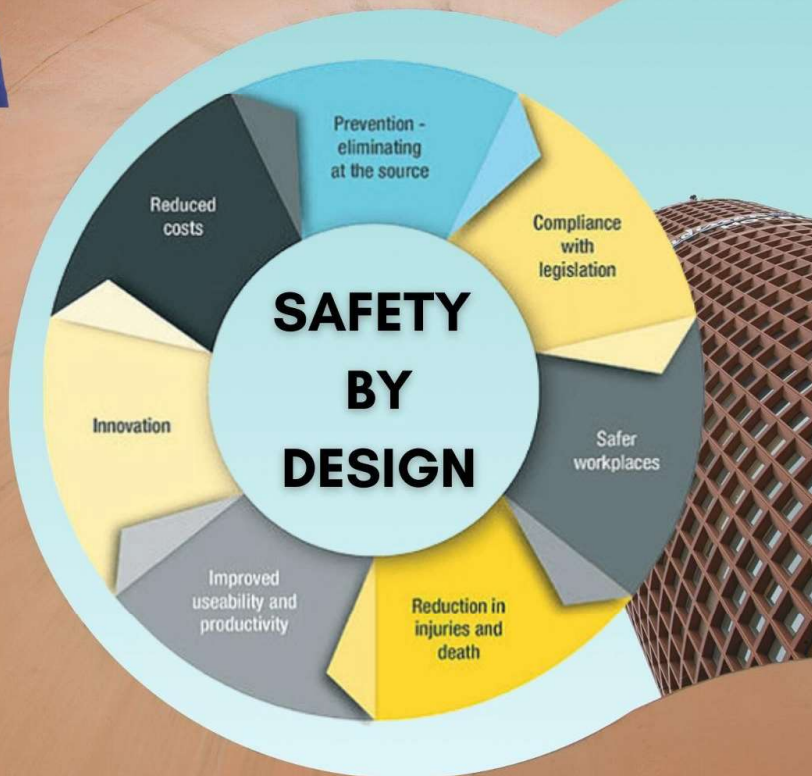
# Indian Society for Education Research and Technology (ISERT)



**Mr. Subhash Bhatt**

**Chartered Safety &  
Health Practitioner**

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**3 pm IST, Saturday  
July 11, 2020**



## Mentor Profile:

Chartered Safety & Health practitioner from the Institute of Occupational Safety and Health UK. Fellow of the International Institute of Risk and Safety Management UK and a certified Principal Designer from the Association for Project Safety, UK.

He has over 15 years of experience in the construction sector, managing projects from concept to completion stage, the sector comprises; Infrastructure, Oil & Gas, Investment Banking, IT parks and Residential projects.

He has managed projects from small refurbishment to the mega construction up to 2.5 million square feet. Has managed 'Safety by Design' for multiple regions, including APAC, UK and Europe. Currently, he is working as an Environment, Safety and Industry Leader with one of the reputed MNC and managing the pre-construction stage of the projects based in the UK and Europe



Mr. Subhash Bhatt

Chartered Safety & Health Practitioner



## Photo Gallery:

Content

- What is Safety by Design?
- Why is it Important?
- Legislative Requirements
- Definitions
- Risk Management
- Hierarchy of Control Measures
- Reviewing Control Measures
- Principals of Prevention
- Design Information
- Designer's Risk Record
- Hazard Table
- Case Study
- Example of Good Practice
- Q&A

Why is it important?

**Primary Cause of Accident in Construction Industry**

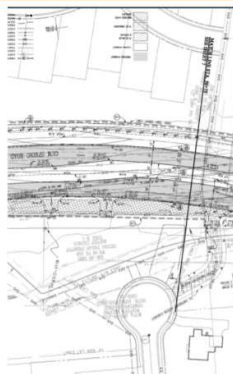
- 37%: Management or worker failure
- 35%: Unsafe Design
- 28%: Poor Planning

**Other Benefits:**

- Legal
- Reputation

Over 60% of accidents were due to decisions made BEFORE WORK STARTED!

## Case Study(CS) 1 - Construction



**Design spec:**

- Dig groundwater monitoring wells at various locations.
- Wells located directly under overhead power lines.

**Accident:**

- Worker electrocuted when his drill rig got too close to overhead power lines.

**Designer could have:**

- specified wells be dug away from power lines; and/or
- better informed the contractor of hazard posed by wells' proximity to powerlines through the plans, specifications, and bid documents.