

# Making risk understandable



[www.sudakshaconsulting.com](http://www.sudakshaconsulting.com)

## Barrier based Risk Management Summit, New Delhi - India

9<sup>th</sup> & 10<sup>th</sup> April 2019



Threats Evaluation | Controls Deployment | Operational effectiveness



### We believe

Risks can only be managed when completely understood



### We share

The barrier based risk approach



### We provide

Visual barrier based software solutions

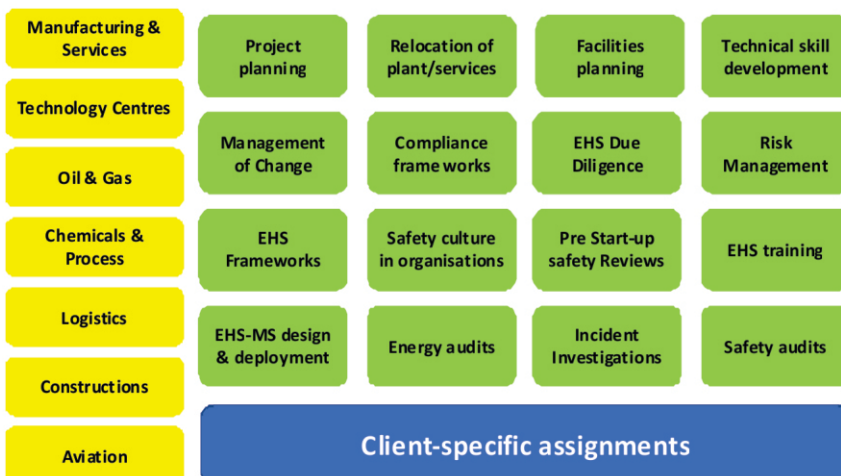
## About Sudaksha Management Solutions

**Sudaksha**, the name comes from Sanskrit the ancient Indian Language. It is a 3-syllable word pronounced as **Su-dak-sha**. Sudaksha means “Having great energy, Very strong, Very skilful”.

**Sudaksha** is the culmination of like minds putting their skills and experience together to aid in the building of robust business enterprises. The portfolio spread of ranges from enablers like due diligence audits to operationalisation of robust systems to run a business successfully. Amongst other services, our niche capability is “Barrier based Risk Management”, a process which acts more like an early warning system in any business. It helps in systematically identifying all risks and enables the management in making timely course corrections against low frequency, high consequence risks.

While Sudaksha will work along with organisations in various areas of engineering and management expertise, it is also capable and competent to handle specific turn-key projects for its customers.

### Industry sectors & our expertise



## FACILITATORS

### Anantha Prasad S

Anantha Prasad S, a seasoned technocrat is a qualified mechanical engineer and a qualified safety professional. He specialises in Environment, Occupational Safety & Health domains of Engineering. Ananth, possesses about 3 decades of corporate & field experience in the domains of maintenance, Environment, health & Safety during his employment with Global conglomerates like Robert Bosch and General Electric Corporation.



Ananth is also well connected with institution and the Academia. At the national level, he is associated with the Confederation of Indian Industry (CII) as an expert in their panel for EHS activities and processes. He is a guest faculty for several engineering colleges and universities on aspects of EHS and Engineering & Technology.

Ananth co-founded "**Sudaksha Management Solutions LLP**" a multi-faceted engineering consultancy firm in 2016. They partner with CGE Risk Management Solutions B V, The Netherlands and have brought to India, Barrier based Risk Management using bowtie methodology and the BowTieXP software.

## **Dunstan Netto**

Dunstan Netto is a leading facilitator and trainer for the BowTieXP software. With significant hands-on risk management experience from the shop floor to the board room, Dunstan has coached, mentored, facilitated and trained various personnel to meet the demanding environments in which businesses operate. His wealth of industry experience of over two and a half decades comes from having worked in various industry sectors that include manufacturing, heavy industry, mining and oil and gas sectors in various geographical locations nationally and internationally.



Dunstan has held various management positions in industry that include Production Manager, Plant Engineer, Site Engineer, Maintenance Manager, Operational Readiness Advisor, Continuous Improvement Lead, Site Engineer and Senior Consultant. Experience includes managing various Capital Projects, Asset/Maintenance Management, Operations Management, Risk Management, Auditing, Performance Management, Strategic Management and Lean for Continuous Improvement.

Dunstan holds an MBA from Griffith University in Australia, Master in Maintenance Management & a Graduate Certificate in Human Resources Management from CQU, Australia. He is also a member of the AMC, GMAA and Golden Key Honour Society.

## **Flt Lt Mukti Srivastava**

Flt. Lt. Mukti Srivastava, a seasoned administrator with professional experience spanning in excess of 2 decades, holds the accolade of being commissioned as the first lady Pilot Officer as Air Traffic Controller of the Indian Air force. During her tenure, Mukti has played vital role in terms of maintaining sovereignty and Integrity of the Nation' against aggressions.



Post her service in the Indian Airforce, Mukti Played a pivotal role in operationalising Mukti Enterprises in Delhi and was India's first All Women Operated CNG Station, thus empowering women to step into the male dominated bastions.

Subsequently, Mukti's corporate career spanned across corporates like HCL Technologies, General Electric Corporation and Zee Media Corporation Limited, a prominent media house of the country.

As Director - Operations of Sudaksha, Mukti's focus are in growing the organisation for a Pan Indian Presence. Academically, Mukti holds degrees as Bachelor of Science and Bachelor of Law and a Master's degree in Business Administration (Personnel Management). She is as an avid athlete and is a National level badminton player.

## About the Event

Sudaksha Management Solutions is very pleased to invite you to the Barrier Based Risk Management Summit 2019 in New Delhi to talk about "The Essence of Risk Management". Engaging speakers will address different perspectives to broaden your view on the subject. This is an occasion to connect with industry and reinforce the importance of an effective risk management program. The two-day event will give you an insight to the current global scenario for risk management and a hands-on experience to learn the barrier-based risk management using the bowtie methodology & the BowTieXP software.

The program of the summit is content-driven & interactive, focused on sharing knowledge and interacting as much as possible: opinions, methodologies and practical expertise. The overall theme is 'The Essence of Risk Management'. We will focus on three basic questions:

1. Do we understand what can go wrong?
2. Do we know what are the systems in place to prevent things going wrong?
3. Do we know that these systems will work when needed?

On Day 1, various speakers will talk about different aspects that are related to getting answers to these questions on a daily basis. As part of the plenary morning, we will welcome different speakers & perspectives to the stage in order to get a complete overview of the latest developments and challenges in risk management and effective operationalisation.

On the second day, we have organised a full day training workshop on barrier-based risk management using bowtie methodology and the BowTieXP software to give participants a hands-on experience and appreciate the benefits of an integrated approach to risk management.



## Event Venue

The event is being conducted at Fraser Suites, Plot No.4A, District Centre, Mayur Vihar Phase-1, Delhi - 110091, India. The venue may be reached by taxi, autorickshaws or app-based cab services. If travel is undertaken by Metro, Blue line is required to be taken and the alighting stop is Mayur Vihar Extension. A 400-meter walk from the Metro station will bring you to Fraser Suites. Scan the QR code for directions.



## Organiser



## Partner



## Sponsors



## Knowledge Partners



Event Registration Link : <http://www.sudakshaconsulting.com/register-for-event/>

## Event agenda

Day 1		
Time	Session Description	Speaker / Facilitator
09:15 AM – 09:45 AM	: Participant Registration	
09:45 AM – 10:00 AM	: Inauguration & Event introduction	Flt. Lt. Mukti Srivastava Director-Operations, Sudaksha Management Solutions
10:00 AM – 10:30 AM	: Key Note address	Capt. Chinar Shah Senior pilot & Aviation safety expert
10:30 AM – 11:30 AM	: Introduction to Barrier based Risk Management & bowtie methodology	Mr. Alex van den Berg – Partner Manager Mr. Marko Krnjić – Product Manager CGE Risk Management Solutions
11:30 AM – 11:45 AM	: Tea break	
11:45 AM – 12:30 PM	: Operationalisation of risk management in High risk activity - Work at heights and confined spaces	Dr. Mona Gandhi Director, Eduforce
12:30 PM – 01:00 PM	: Quiz	Mr. Anantha Prasad CEO, Sudaksha Management Solutions
01:00 PM – 02:00 PM	: Lunch	
02:00 PM – 02:30 PM	: Health & fitness management for professional well-being.	Ms. Sonal Singh Director, SQUATS
02:30 PM – 03:15 PM	: Merits of Implementation of Bowtie methodology – user experience.	Mr. Abhineet Raj Senior Manager – Process Safety Tata Steel Ltd.,
03:15 PM – 03:30 PM	: Tea break	
03:30 PM – 04:00 PM	: Group exercise - interactive bowtie building game.	Mr. Anantha Prasad Mr. Dunstan Netto Mr. Marko Krnjić
04:00 PM – 05:00 PM	: Integrated approach for risk management with Audits and incident investigation & analysis.	Mr. Marko Krnjić Product Manager, CGE Risk Management Solutions
05:00 PM – 05:15 PM	: Valedictory & instructions for Day 2	
Day – 2		
09:30 AM – 05:00 PM	: Training workshop on bowtie methodology using BowTieXP software.	Mr. Anantha Prasad Mr. Dunstan Netto Mr. Marko Krnjić
Speaker profiles are detailed in the following pages of the book.		



## Speakers

### Alex van den Berg

Alex is responsible for overseeing the global partner network of CGE, mainly focusing on the partners in the Asia and Middle east region. The global partner network includes over 150 partners, including consultancy, training and solution partners. The network enables CGE to service clients in twelve different industries ranging from oil & gas, mining,



aviation to chemical, healthcare and governmental institutions. Alex assists partners in increasing their knowledge and skill set in relation to the bowtie methodology and supporting tools (BowTieXP, AuditXP, IncidentXP, BowTieServer). He is frequently involved in brainstorming sessions with both clients and partners to analyse how complex problems can be clarified and communicated.

Alex holds a bachelor's degree in Commercial Economics and a master's degree in Business Administration. After his studies, Alex has started an IT business with offices in Vietnam and in The Netherlands. Over the years, he has worked in several commercial positions aiming to translate complex business needs into software functionalities. As a partner manager at CGE, he links business enquiries to subject matter expertise of the partner network to

## Marko Krnjić

Marko is a member of the product management team at CGE Risk Management Solutions. As a product manager he is involved in the development of the software solutions BowTieXP, AuditXP, IncidentXP and BowTieServer by translating market needs and other useful insights into future development objectives. He is also involved in developing current and new strategies for barrier-based risk management and transfers this knowledge through training, demonstrations and workshops to safety experts all over the world.



Marko has more than 5 years of experience in facilitating training sessions and workshops all over the world, from Christchurch to Houston. Marko is also involved in the introduction of the methodologies and software solutions to many large organizations such as Maersk Drilling, Royal Dutch Airlines, Changi Airport and Unilever. He shared ideas and concepts regarding barrier-based risk management during different conferences, amongst which the Singapore Aviation Safety Seminar 2019 was one of the most recent ones.

## **Capt. Chinar Shah**

Captain Chinar Shah is a current and qualified B737NG / B737MAX line Captain with over 6,500 hours of flying experience in positions of increasing responsibility from line pilot through training Captain. During her tenure, she has earned a stellar reputation for motivating newly hired pilots to excel in their chosen professional as well as encouraging young school children in India to seek a career as pilot.



For over five years, Captain Shah has been an integral member of the Jet Airways Flight Safety Team serving most recently as Manager Safety Assurance. She is tirelessly promoting the Safety Management System (SMS), enhancing the effectiveness of the flight data monitoring (FDM) program, establishing a Just Culture, and establishing a trusted safety reporting system.

Chinar Shah enjoys continuously improving her professional skills and competencies. Currently, pursuing a Master of Science Degree in Airline Management from the reputed City, University of London on the subject of applying Artificial Intelligence (AI) in flight safety and accident prevention.

## **Abhineet Raj**

Mr. Abhineet Raj, an electrical and electronics engineer by academic background, chose EHS as his area of specialisation and pursued further education in the National Institute of Industrial Engineering (NITIE), Mumbai to complete his PG Diploma in EHS.



Abhineet joined Tata Steel Ltd., as a management trainee in the facility at Jamshedpur later to be placed as the Manager, Process Safety of the site. His undeterred focus on the work fast tracked his career to soon be promoted as Senior Manager, Process Safety - India & South East Asia.

He is Subject Matter Expert in key organisational processes like Management of Change (MoC) in process safety, Pre-Start-up Safety Reviews, Process Hazard Analysis, bowtie methodology for risk management, barrier audit, Consequence analysis, LOPA. His experience as a key note speaker across various departments of Tata Steel has helped enable improve organizational effectiveness and efficiency in terms of work safety.

## Sonal Singh

Sonal Singh, an Indian-Canadian is Health & Wellness Director of SQUATS. She is an avid blogger writing on topics pertaining to empowerment, health & wellness - particularly aimed at women. She is a graduate from the London School of Economics (Master's in Public Administration, MPA) is fluent in French and has lived and worked in several countries.



She has published work with the director of the UNDP in Brazil, worked with the Ministry of Health in London UK and was a management consultant for 4 years at Deloitte London. She is dedicated to empowering communities through access to health and information. She lived in rural Gujarat improving women's access to healthcare with the Aga Khan Foundation.

An all-rounder, Sonal was crowned Ms. Asia Universe 2016 among 71 delegates from over 40 countries in China. She now lives in Delhi because of her love for India and strong belief that it is her duty to make a valuable change in her birth country.

## **Dr Mona Gandhi**

Dr. Mona Gandhi, a graduated medical professional, chose to take industrial safety and occupational health as her core area of service to the industry.



To further her career in the domain of safety, Dr Mona underwent advanced trainings. To name a few are: Proper use of selected Lifting and Rigging products at Crosby, Rigging and hoisting course from MCIT (Malaysian Construction Industry training) & Industrial Climber and Rigging from NARC (National Access and Rescue Centre) UK.

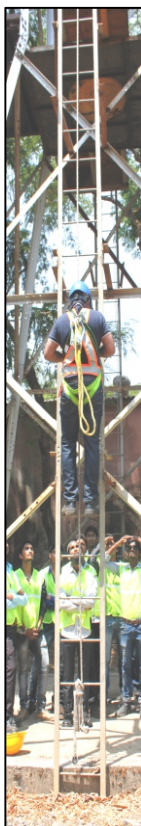
In her endeavours so far, she worked with multiple organisations in the manufacturing and process engineering sectors to reinforce their efforts to improve safety in high risk activities like work at heights, working in confined spaces.

Dr Mona has published research papers in several forums. The prominent topics feature, Special Considerations to provide Cardiopulmonary Resuscitation (CPR), Standard medical guidelines for people working at height, Developing Emergency Medical Services (EMS) in India, Importance of Safety while Working at height (WAH), Road safety guidelines and all about road traffic accidents (RTA)&Stress management, industrial stress scenarios and outbursts.

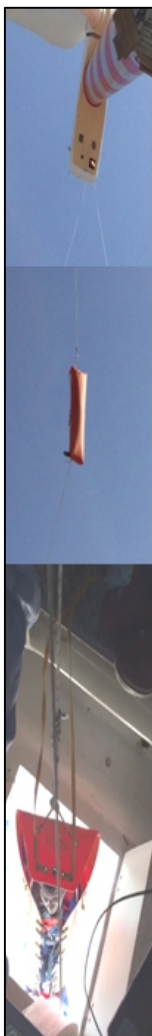




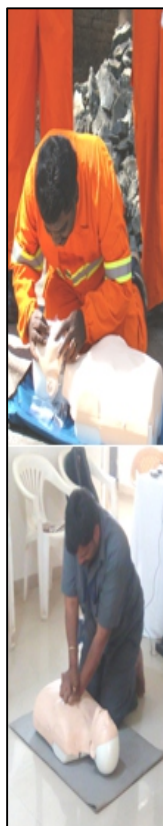
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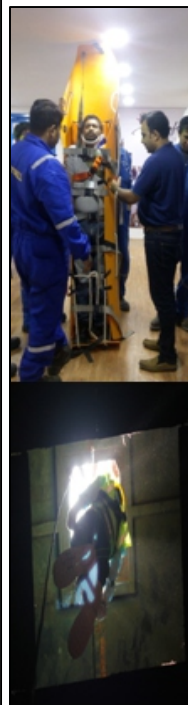
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Training



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Training



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& Rescue Training

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## Our Clients



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