Modern Use of Quantitative Risk Assessment and Management

Course Facilitator:
Franco Oboni
President
Oboni Riskope Associates Inc
34 years of experience, 20 years exclusively in risk & crisis management for industries and projects worldwide

Author of “Improving Sustainability through Reasonable Risk and Crisis Management: A guide to Making Better Decisions”

Testimonials from Franco’s current and past clients:

“In the process of evaluating acquisitions, a risk assessment was deemed necessary and desirable. Senior management wanted a broad, exhaustive and rigorous analysis of business risks. Risk assessment tools in use for ERM evaluation (such as FMEA) are experience and consensus driven and considered inadequate. After significant research only Riskope presented the academic knowledge, professional certification, specific experience, and quantitative risk assessment tools to assist us in this task. ORE as performed by Franco, Cesar and the Riskope staff more than met our needs, performed to international standards, brought expert global knowledge of the target business sector (an added bonus), responded to our needs in reporting, and generated searchable, in depth results open to drill down to understand the underlying factors and drivers”

“This was one of the most interesting and stimulating seminar’s that I have ever attended, truly an impressive presentation by a most engaging presenter. I am honored to have made your acquaintance and if ever I am stuck on any part of the risk management process I will know who to call. Thanks for a very enjoyable three days”

“Franco is a world expert in Risk. I have hired Franco to work on risk identification, risk mitigation and to run courses for staff on risk management. His understanding of risk and his ability to put it into terms for the lay-manager is excellent”

“Franco is the best seminar leaders I know. His presentation style is clear, focused and mind friendly. In short, Franco is world class!”

Capitalise on the expert knowledge to gain maximum value on these vital issues:

- IDENTIFY potential risks that lead to business disruption
- CONVINCE internal individuals of the need for risk mitigation
- DISCOVER issues that could lead to crises possibly hampering business growth
- CATEGORIZE threats that is lurking in any commercial contract
- EXAMINE the overall risk landscape surrounding the organization
- SUPPORT the next critical decision in a transparent and rational way
- EVALUATE personal and risk consultant’s strength
- RECOGNIZE information that could be obtained and delivered by risk consultant
- GENERATE value and proactively preserve organization’s business

UNI training courses are thoroughly researched and carefully structured to provide practical and exclusive training applicable to your organisation. Benefits include:
- Thorough and customised programmes to address current market concerns
- Illustrations of real-life case studies
- Comprehensive course documentation
- Strictly limited numbers

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Free Takeaway
Delegates will receive:
- On request one hour private coaching (strictly by rendez-vous; via Skype, blackout dates exist) free of charge to discuss their particular issues
- Template to estimate probabilities of events
- White Paper “Investing in or managing a Corporation: how much does the point of view influence the ERM decision Making process?”

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Workshop Overview

This course will bring much needed methodological and practical answers to practitioners involved in evaluating projects risks (including pre-feasibility level), operations, rational risk management that will brings value to the organization (operations/ projects) by optimizing risk exposures, providing a leading competitive edge.

Numerous examples (global & local events) drawn from Dr. Oboni’s daily practices, in respect of client’s confidentiality will create a solid link between the theoretical aspects and current real life events.

Practitioners will be exposed to an in-depth understanding in risk management, and structured ways to integrated risk control methods to enhance the decision making process.

This workshop does not require mathematical knowledge to understand the concepts.

DAY 1 | 2nd February 2014

SESSION 1: LAYING THE FOUNDATIONS BY EXAMINING THE OVERVIEW AND GLOSSARY OF RISK MANAGEMENT
- Management approaches and uncertainties
- Some common mistakes and misunderstandings
- Hazards vs. Risks examples
- Need for a unified glossary

SESSION 2: IDENTIFYING THE COMMON MISUNDERSTANDING AND MISTAKES IN QUANTITATIVE RISK ASSESSMENT
- Distinguishing safety from risk
- Distinguishing risk assessment from audits
- Distinguishing risk assessment from HAZOP
- Examples of risks degenerating in crises

SESSION 3: DISCOVERING WHAT RISK ASSESSMENT IS ALL ABOUT IN ADDITION TO AN IN-DEPTH LOOK INTO THE COMPARISON AND DIFFERENCE OF QUALITATIVE VS QUANTITATIVE RISK ASSESSMENT
- Assessing and presenting risks
- Historic methods and approaches examples
- Prepare a hazard Identification for a simple facility
- Prepare a qualitative / quantitative risk assessment for a simple facility

SESSION 4: GAIN INSIGHTS ON THE GENERAL CODES AND RESOURCES, AS WELL AS COMMON PRACTICES IN QUALITATIVE AND QUANTITATIVE RISK ASSESSMENTS
- ISO 31000 and 31010
- Failure Tree Analysis and other tools (audience proposes examples)
- PIGs (Probability Impact Graphs, FMEA)
- Risk ranking / Risk prioritization

DAY 2 | 3rd February 2014

SESSION 5: CHARACTERIZING HAZARDS AND THEIR CONSEQUENCES, ALONG WITH THE RISKS IN QUALITATIVE AND QUANTITATIVE MANNERS
- Qualitative probabilities / likelihoods
- Quantitative probabilities / likelihoods
- Qualitative consequences
- Quantitative consequences

SESSION 6: EVALUATING REAL LIFE CASE STUDIES AND EXERCISES ON QUANTITATIVE RISK ASSESSMENT
- Case studies: Risk Assessment of This Course
- Case studies: Urban Development Project
- Case studies: Regional / Provincial Development Plan
- Case studies: Large Oil & Gas or Mining Operations

SESSION 7: ILLUSTRATING ACCEPTANCE, CRISES, APPETITE AND OTHER PARAMETERS
- Assessment of crises
- Risk tolerability and acceptability (acceptance) thresholds
- ALARA, ALARP, BACT and ORE prioritization (ranking)
- “Risk Appetite”
- Resiliency

SESSION 8: REVIEWING REAL LIFE CASE STUDIES FOR INDUSTRIES AROUND THE WORLD
- Case studies: Humanitarian Demining Project (for pipelines routing)
- Case studies: Counter Terrorism Planning (for critical infrastructure)
- Case studies: Cyber Defense (for SCADA Systems, critical infrastructure)
- Case studies: Holistic Approaches

In-House Training
Cost effective In-house courses, tailored specifically to your organisation’s needs, can be arranged at your preferred location and time. If you would like to discuss further, please contact our In-house division at iht@unistrategic.com.

PRE-COURSE QUESTIONNAIRE
To ensure that you gain maximum value from this course, a detailed questionnaire will be forwarded to you upon registration to establish your exact training needs and issues of concern. Your completed questionnaire will be analysed by the course trainer prior to the event and addressed during the event. You will receive a comprehensive set of course documentation to enable you to digest the subject matter in your own time.
Program Schedule

(Day 1 - Day 3)

08:30   Registration
09:00   Morning Session Begins
10:40 - 11:00   Refreshments & Networking Break
12:45   Luncheon
14:00   Afternoon Session begins
15:30 - 15:50   Refreshments & Networking Break
17:00   Course Ends
Franco heads Riskope, an international practice on Risk and Crisis Management based in Vancouver, B.C., Canada, and Lausanne, Switzerland. He is a consultant, coach, author of over fifty papers and co-authoring of the 2007 book entitled: “Improving Sustainability through Reasonable Risk and Crisis Management”. Franco regularly gives seminars and workshops worldwide. Clients include the UNDP, Fortune 500, World Bank, Teck and several international mining companies, Canadian National, Union Pacific, Codelco, the Port of Oakland, Cartier, Ferrero Chocolate, a European Army and numerous communities, regional and provincial governments.

Franco has managed a broad range of risk and crisis mitigation projects, risk and security audits and geo-environmental hazard mitigation studies, including cyber risks, critical infrastructure and even aerospace. Consulting and teaching have brought Franco to work in four continents. Projects have included definition of needs, training for corporate clients, negotiations with community leaders, as well as the preparation of monitoring programs, Risk Assessments and Optimum Risk Estimates (ORE, the flagship product of Riskope).

Franco has been involved in risk and hazard analyses for a number of large facilities and organizations, including communities, mining, mine-clearance, military, food and non-food industries, large linear facilities (railroads, highways, pipelines, tunnels, power lines) and large hydropower projects (dams, reservoirs and pen-stocks) allowing his courses to convey a wide array of concrete examples, to deliver on-site emergency consultation, develop forensic and expert witness reports and troubleshooting.

Currently he delivers his customized seminars directly to interested industrial corporations (among his clients are BC Hydro, Mitsubishi Motor Company, Japan Metal Mining Association, to name but a few), and workshops worldwide.

Franco was co-recipients of the Italian Canadian Chamber of Commerce (Canada West) 2010 Innovation Award.

Organizations that have benefitted from Franco’s expertise include:

**Oil & Gas**
- Petrol Development Oman
- JX Nippon Oil & Gas Exploration
- Oil India Limited
- British Columbia Gas

**Energy**
- General Electric
- Majan Electricity Company
- BC Hydro and Power Authority

**Mining**
- Selwyn Mine
- Placer Dome Inc
- Teck Resources Limited
- Homestake Resource Corp
- Codelco

**Transportation**
- Canadian National Railway Company
- Canadian Pacific Railway Limited
- Italian Highways
- Swiss Federal Railways
- Sitaf (Fréjus tunnel)
- Port of Oakland

**International Organizations**
- United Nations
- World Bank
- Mitsubishi Motors (Japan)
- Olympics 2006 Turin, Italy
- Ferrero Chocolate (Italy)
- Cartier
- Swiss Army
- Holcim, Leclanché (Switzerland)
- Valle d’Aosta & Mountaineering Guides Association Aosta (Italy)
- Geneva International Centre for Humanitarian Demining (GICHD)
- Mackenzie River Board (Canada)