

VALUE MANAGEMENT (VM) FOR CONSTRUCTION

Training Workshop - Modules I : 13-15th and 20- 22nd Nov. 2009
Modules II : 4 - 6th Dec 2009

These courses have been approved by the Certification Board of SAVE International

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Co-organizer:



Supporting organization:



WHY THIS COURSE?

In this present day, construction professionals should not only acquire technical knowledge, they must also develop various management skills for setting the primary goals. A number of **formal documents** (WTBC16/1998; Tang2001; WTBC35/2002) strongly recommend a wider adoption of VM techniques in order to achieve an excellence in the quality of construction products. However, *qualified facilitators/co-facilitators are hard to come by in HK. To enhance the innovative team decision-making management techniques in construction industry*, a full VM training workshop (modules I and II) will be arranged in Nov. and Dec 2009 by the Hong Kong Institute of Value Management and the Hong Kong Institute of Surveyors (QS Division). The Module I course teaches VM in a project-based manner. Participants will engage in “real-time” decision-making using the VM methodologies in the module I, while the Module II teaches VM in an advanced level.

WHO SHOULD ATTEND?

Module I course is designed for people responsible for making significant decisions concerning design and budget for large, complex projects in private industry and public institutions. In the past, attendees have come from government departments, construction companies, consultants, developers, etc.

Module II course is designed for people who completed the 40-hour module I training and planned to be a qualified VM facilitators internationally.

Both courses are approved by SAVE. Individuals planning to become Certified Value Specialists internationally or qualified co-facilitator in the **approved list of the HK government** are required to attend. Upon completion, each participant will be awarded a certificate and eligible to apply the examination (AVS or CVS).

5 DAY MODULE I - WORKSHOP ADENDA

- VE Approach to Projects**
 - History /Development (international & local)
 - Definitions
 - Job Plan overview
- Information Phase**
 - Project objective and scope worksheet
 - Information gathering
 - Principles of Value Analysis (video)
- Function Analysis Phase**
 - Function identification

- Function Logic Diagram (FAST)
- Cost – Function relationships



Creative Phase

- Creativity process
- Creativity techniques
- Idea generation



Evaluation Phases

- Eliminate nonsense
- Idea Selection Matrix
- Rank ideas



Development Phases

- Prepare design sketches
- Develop proposals
- Presentation



Implementation and Follow-up Phases

- Strategies for implementation
- Implementation and follow-up plan

3 DAY MODULE II - WORKSHOP AGENDA



Job Plans

- Structure of Job Plan
- Selection of project and workshop team



Function Analysis

- Various types of FAST Diagrams
- Function cost allocation



Creative Process

- Creativity techniques
- Creativity exercises



Evaluation Process

- Quantitative and Qualitative techniques
- Financial analysis



Interpersonal skills

- Team building
- Role of facilitators



VM standard and development

- International VM standard and training
- Soft VM and the application

The Instructor

Dr. Leung has more than twenty years of practical/teaching experience in the construction industry/education and has participated in a number of prestigious construction projects in HK. At present, she is a vice-president of the Hong Kong Institute of Value Management. Dr. Leung is a Certified Value Specialist of the Society of American Value Engineers in USA and a Qualified Facilitator (list A) of the HKIVM in HK. At the CityU, Dr. Leung is conducting a VM course that has obtained the accreditation from the SAVE in USA. In the industry, she facilitated various VM workshops for construction professionals in HK, including public piers, traffic management, highway, sewages, water supplier, public housing and library.

