

VALUE ENGINEERING

VALUE
ENGINEERING
METHODOLOGY
&
APPLICATION

AVG ADVANCED
VALUE
GROUP

WHY THIS COURSE?

This workshop will demonstrate the effectiveness of the VM techniques in enhancing value while reducing costs.

The objective of this training workshop is to acquaint participants with the Value Methodology (VM) and its function-oriented, decision-making process. The VM has been used for over 70 years to assist management and engineering professionals to obtain optimum value for each dollar spent. **Typical savings range from 15 to 35% for most projects.** This Value Methodology 1 course teaches VM in a hands-on, project-based manner. During the workshop managers of architecture, design, manufacturing, finance, quality, marketing, and engineering (civil, product, industrial, manufacturing, process) will engage in "real-time" decision-making using VM tools, to ensure quality and value while reducing the cost of their projects. Participants will apply the value methodology and decision-making skills to a project to gain practical experience using what they learn.

WHO SHOULD ATTEND?

This course is designed for people responsible for making decisions concerning design, process or procedural activities in industry (manufacturing), construction, government and service organizations (healthcare, etc.). In the past, attendees have included corporate leadership, engineers of all types, marketing, sales, finance, quality and manufacturing disciplines.

This Value Methodology Fundamentals 1 Workshop has been approved by the SAVE International Certification Board

SAVE INTERNATIONAL
VMASM
CERTIFICATION

SAVE
Adding Value. Enhancing Ideas.

This workshop is
approved by
SAVE International[®]

Individuals planning to become a Value Methodology Associate (VMASM) or Certified Value Specialists (CVS[®]) are required to attend.



Upon completion, each participant will be awarded a licensed certificate and those wishing to take the SAVE VMASM exam may do so.

 @valueavg

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SAVE International VMASM Certification

Professional certification for VM is administered by SAVE International[®]. Our Group is approved by the SAVE International[®] Certification Board to teach the Value Methodology Fundamentals 1 (VMF 1) and the Value Methodology Fundamentals 2 (VMF 2) courses.



SAVE International[®] (www.value-eng.org) is the premier international society devoted to advancing and promoting the Value Methodology (VM), also known as Value Engineering, Value Analysis or Value Management. SAVE members are trained and certified in and practice the VM in more than 35 countries. Applications can include construction, product design and manufacturing, transportation, health care, government and environmental engineering.

Beginning in June 2016, the SAVE International[®] Certification Board will offer only two levels of certification:

- The first level is the Value Management Associate (VMASM). VMASM is a recognition designed for Individuals who are new to the Value Methodology field and have received basic Value Methodology training. Someone with a VMASM certification has demonstrated a good understanding of the principles and the basic tools of the Value Methodology and is able to contribute effectively as a member of a value study team. This entry level certification is encouraged for those desiring to have ongoing involvement in Value Management. If desired, after gaining experience, a VMASM may advance to CVS[®] certification.
- The second level is the Certified Value Specialist[®] (CVS[®]). CVS[®] is the highest level of certification attainable through the SAVE Certification Program. Designation is reserved for value specialist who have demonstrated expert level experience and knowledge in the practice of the Value Methodology. The CVS[®] is the only qualified and approved by SAVE standards to facilitate a value study.

VMASM Certification Requirements:

To achieve the VMASM certification, one must:

- Select an advisor who is a Certified Value Specialist[®] in good standing. It is common that your VMF1 instructor will become the advisor for all participants
- Complete this approved Value Methodology Fundamentals 1 course
- Submit and pay the required application fee
- Successfully pass the VMASM exam

VMASM Application Fee:

| <i>US Dollars</i> | SAVE Members | Non-members |
|-------------------|---------------------|--------------------|
| Application fee | \$125 | \$125 |
| Certification fee | \$0 | \$300 |

The certification fee for SAVE International members is waived, and members will receive a certificate upon passing the exam. Non-member candidates must pay the certification fee after the exam to receive their certificate. We encourage you to become a member before this course starts. [Just click here.](#)

Application and certification fees are paid directly to SAVE International[®] through the application and examination process.



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WORKSHOP LEADER

Javier Masini, CVS®
President
Advanced Value Group, LLC



Javier Masini is a Certified Value Specialist CVS®. Javier's experience with Value Engineering and Tear-Down Analysis started in 1999 when he was in Japan. Since then, he has been perfecting his skills through training and in-company workshops. He has successfully led workshops in Austria, China, India, Mexico, Italy, Switzerland, Turkey, Colombia, Qatar and the United States. Since the year 2000, he has trained hundreds of professional engineers in Lean Six Sigma systems as well as Value Engineering. He also created the first Value Engineering Course that was granted with official Certification from SAVE International in Latin America, and as a result, engineering graduates were able to receive the Associate Value Specialist Certification.

He has a specialized training in Company-Wide Quality and Productivity Management by Central Japan Industries Association (Chubu Sangyo Renmei is a Lean Manufacturing Consultancy firm specialized in implementing and training Lean Manufacturing and Total Quality Management for Tier 1 and 2 suppliers for automotive firms) in Nagoya, Japan. He also has second specialized training in Industrial Engineering and Quality Control by Kitakyushu International Techno-Cooperative Agency in Kitakyushu, Japan. He is also a professional Value Engineering trainer. He has a Lead Auditor training for ISO9001 granted by Det Norske Veritas and the International Register of Certified Auditors.

He has a BSIE (Bachelor of Science in Industrial Engineering) from Universidad Panamericana; as well as a Masters in Engineering with Emphasis in Quality and Productivity Systems by Instituto Tecnológico de Estudios Superiores de Monterrey (ITESM).

Value credentials:

- Founder of SAVE Chapter in Mexico
- On Miles Value Foundation Board of Directors
- Specialized training in Company-Wide Quality and Productivity Management by Central Japan Industries Association and KITA.
- Black Belt and trainer at the Lean Six Sigma Institute
- Active SAVE International member presenting at several international conferences



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AGENDA

October 29 - November 1, 2018

Lean Six Sigma Institute Training Center, San Diego, CA

856 Jetty Ln Chula Vista, CA 91914 United States

Time: 8:00 AM to 5:00 PM; Full time attendance is required to receive certificate

AGENDA

DAY 1

- Introduce SAVE International and PACE
- Introduction to Workshop
- Overview of VMF 1 & VMF 2 training
- VM Overview – The Power of VA/VE
- Value Methodology Core Competencies
- Introduction to the Value Methodology
- What is Value
- Compare VM vs VEM (Lean, Six Sigma, Etc.)
- Types of Value
- Reasons for Unnecessary Cost
- History of the Value Methodology
- Value Methodology Basics
- The VM Job Plan
- Pre Workshop (STAGE 1)
 - Planning the Workshop
 - Project Selection
 - Value Study Team
 - Effective Team Members
 - Practice
 - Effect Team Leader
- Phase 1: Information Phase
 - Project Goals
 - Cost Model / Costed BOM / BOQ
 - Voice of the Customer
 - Scope of Project and Constraints
 - Practice
- Phase 2: Function Analysis Phase
 - Define Functions and Practice
 - Identify Functions and Practice
 - Classify Functions
 - Practice (Random Function List)

DAY 2

- Phase 2: Function Analysis Phase (Cont.)
 - Organize Functions / Practice
 - FAST Diagram / Practice
 - Allocate Resources to Functions / Prce.
- Phase 3: Creative Phase
 - Ground rules for Creativity
 - Brainstorming Techniques.
 - Practice

DAY 3

- Phase 4: Evaluation Phase
 - Why do we need evaluation
 - Evaluation Techniques
 - Selecting Ideas For implementation
 - Practice (Evaluation)
- Phase 5: Development Phase
 - Basic Terms in Financial Analysis
 - How are proposals structured

DAY 4

- Phase 5: Development Phase (Cont.)
 - Life Cycle Cost
 - Practice (Life Cycle Cost)
 - Practice (Developing Proposals)
- Phase 6: Presentation Phase
 - Purpose and expected outcomes
 - Sample Agendas
 - Guidelines for a Successful presentation
- STAGE 3 Post Workshop
- VM Job Plan Recap
- SAVE International VM Certification
- Teams Presentations
- Adjourn and Celebrate



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REGISTRATION

SAVE International® Value Methodology Fundamentals 1

Training Workshop and preparation for the VMASM Examination

Registration Due Date – October 22, 2018

Registration and payment is required prior to workshop.
Fee includes: VM workbook, refreshment breaks and certificate.

Note that a minimum group of three persons is required to conduct this workshop. AVG reserves the right to cancel the course if the minimum requirement is not achieved. A full refund will be provided; however, AVG cannot be held responsible for any travel cancellation costs.

Check the appropriate box:

- Individual: \$1,400
- 3 or more from same organization: \$1,040 each

Send this form with your check to:

Advanced VALUE Group, LLC

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To pay with credit card, please send a scanned copy of this form to info@avgconsulting.com

An invoice and banking access will be provided.

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