



E-LEARNING

100% online. May include pre-recorded session, live streaming/webinar and discussion forum, where applicable.

18th RUN

ONLINE LEARNING:

Date: To be advised

FEE (incl of GST): S\$800.00

TARGET AUDIENCE

FM Managers, Engineers, Estate Managers, Property Managers, Design Professionals who wish to understand how facilities management can be implemented at a strategic level.

AWARD

e-Certificate of Attendance (e-COA) will be awarded to participants who meet the attendance requirement.

CPD POINTS

PEB: Pending

SCEM-CPD: Pending

Sustainable Facility Management Solutions

INTRODUCTION

The role of facilities managers is to manage the operations of buildings so as to minimise operational costs and the environmental impact of the buildings. To perform this role effectively in this competitive business operation, FM professionals need to be knowledgeable about business management, strategic planning, construction management and engineering towards sustainability in FM.

OBJECTIVE

The 2-day course aims to equip the participants the business case for sustainability; establish programs to reduce, reuse and recycle; analyse the life cycle costing of sustainable buildings and carry out building commissioning.

CONTENTS

Business Case for Sustainability

- Concept of sustainability investment
- Integrating environmental issues into business strategies
- Key role played by FM in sustainability strategies

Relating Sustainable Performance Measures of Facilities to Business Indicators

- Sustainability building indicators
- Measurement, benchmarking and performance in FM

Establish Programs to Reduce, Reuse and Recycle

- 'Zero Waste' approach – going beyond best practices
- Solid waste / energy management and water conservation
- Certification and benchmarking

Operational and Maintenance Expertise Critical to Building Performance

- Management and maintenance planning
- Operations and maintenance strategy, role and approaches within an organization
- Procuring operations and maintenance works
- Performance measures for buildings including cost estimation
- Challenges facing Operation and Maintenance professionals

Life Cycle Costing of Sustainable Buildings

- Life Cycle Costing of buildings – overview, objectives and constraints
- Life Cycle Costing model, analysis and comparison
- The need for life cycle costing for buildings and its effect on building activities
- Complexity of life cycle costing in time and space

Building Commissioning and Retro-Commissioning

- Overview of commissioning
- The commissioning team and process
- The economics of commissioning
- Retro-commissioning
- Case studies on building commissioning in practice

LECTURERS

DR KANG KOK HIN, *Adjunct Associate Professor, School of Mechanical and Aerospace Engineering Faculty, NTU / Managing Director, Best Land Consultants Pte Ltd*

Dr Kang earned his 1st class honours Bachelor Degree in Mechanical Engineering from Monash University, Australia under a Public Service Commission scholarship. He has a Master of Engineering and a Doctor of Philosophy in Building Science from NUS. Dr Kang is a Chartered Engineer in Australia and UK and Corporate members of IFMA (USA) and BIFM (UK).

Dr Kang has more than 30 years experience in property and facilities management, property maintenance and management services. When Dr Kang was with the CPG Group as Chief Operating Officer in 2000, he managed over 1,000 buildings in Singapore with a gross floor area of 8 million square metre, and approximate 3 million square metre gross floor area in China offering strategic, tactical and operational facilities management, and training services to MNC and government clients in building audit, condition assessment and green management. Dr Kang was also involved in Wuxi Industrial Park, China on township, asset and infrastructure management.



REGISTRATION

To register, please log into our Online StoreFront (OSF) at <https://eservices.bcaa.edu.sg/registration/#/> Login or scan QRcode and search for course code **71926**