

Evening Talk on “Integrated Engineering Services (CPC 8673) - ETI/SET – Centric Project Management and/or EPCC”

ELECTRICAL ENGINEERING TECHNICAL DIVISION



by Ir. Mah Soo

THE talk was conducted by Ir. Rocky HT Wong at the Tan Sri Prof. Chin Fung Kee Auditorium, Wisma IEM, on 11 November 2010. He kicked off the talk with an enlightening introduction on who actually practices Integrated Engineering Services. Practitioners of Integrated Engineering Services are progressive engineers who provide leadership to other engineering services professionals (ESPs) that make up the Engineering, Technology and Innovation (ETI) team, who have updated and enhanced their traditional engineering services (CPC 8672) to manage multidisciplinary Science, Engineering and Technology (SET) projects. These projects could be PMC and/or EPCC.



Figure 1: Ir. Wong and Ir. Mah Soo

He highlighted the subtle difference between EPCC and the Design Build Contract. The former is a professional services-driven delivery system being engineering-led, whilst the latter is more of a skills-driven effort supplemented with and complemented by the design outsourced to CPC 8672 for Engineering Consultancy Practices (*i.e.* ECPs).

Project (or Program) Management normally employs software tools such as Program or Project Evaluation and Review Technique (PERT), Critical Path Method (CPM) or EVA/EVM. Nevertheless, it is more important to have the ability to apply special knowledge and

methods in the areas of ‘Planning, Organisation, Control and Execution’. He stressed that “the crux of control is management, not paperwork. It involves analysing the situation, deciding what to do and doing it!”

He then introduced the outcome based on a balanced ‘People, System, Organisation’, PSO-centric approach to Project Management. This approach provides the basis of a Goal Directed Project Management (GDPM) with the application of a milestone plan and responsibility chart for all project stakeholders.

Ir. Wong also introduced the concepts of ‘Leadernomics’ and ‘Terotechnology’. He also expounded phrases such as “Great leaders spend time with their people” and “At the heart of the matter, most people stay if bosses ‘Know, Focus, Care and Grow’ their employees”.



Figure 2: Ir. Mah Soo, Advisor cum Session Chairman of EETD presenting a token of appreciation to Ir. Wong

The speaker concluded that “Street smart is more important than knowing a lot or too much!” ECPs and other Engineering Services Providers who find themselves in the crowded and lower end of the competitive spectrum will be challenged and, perhaps, motivated to shift out of the rut and chart one’s course to manoeuvre out of the “Red Sea” and into the wide “Blue Ocean”. ■