

## Construction Project Manager's Roles and Knowledge

by

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# Topics Covered Construction Project Manager's roles and knowledge

- Who is a project manager?
- Role and responsibilities of project manager
- Construction project management structure
- Key knowledge and skill of project manager

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#### WHO IS A PROJECT MANAGER?

It has been said that everyone is responsible for projects, but that doesn't mean everyone is a project manager....

- A person who leads the project management processes
- •A project manager is a person who plans, coordinates and organise resources, people, machine, money and materials.
- •Get the coordination over the different professional, subcontract, design team, client and produce the job and fit for the purpose



## Question

Who is a Project Manager? Generalist or Specialist?



#### A project manager suppose to be a GENERALIST

In the field of work other than industry (business activity, manufacture or production of goods) you must be a generalist before you can specialise.

Eg: "A physician must qualify as a general practitioner before he/she can be a neurosurgeon or cardiologist or heart specialist"

However, in such as construction industry, you have to be a technical specialist first (engineer, architect, quantity surveyors etc.) then only can you be a project manager.





#### **ROLE OF A PROJECT MANAGER**

The project manager should:

- Leading and encourage the project team
- Help the team members get the work completed
- To run interference for them and communicate with them
- To get resources that they need to carry out the work
- To buffer them from outside forces that would disrupt the work



#### **ROLE OF A PROJECT MANAGER (cont'd)**

#### A project manager must be competent and has 3 basic skills:

- Must be creative in solving problems because all projects are unique
- Must be very self discipline in the approach and employs technology, charting techniques and budgeting tools to define the project
- Got to develop ability, to absorb the essence of the project

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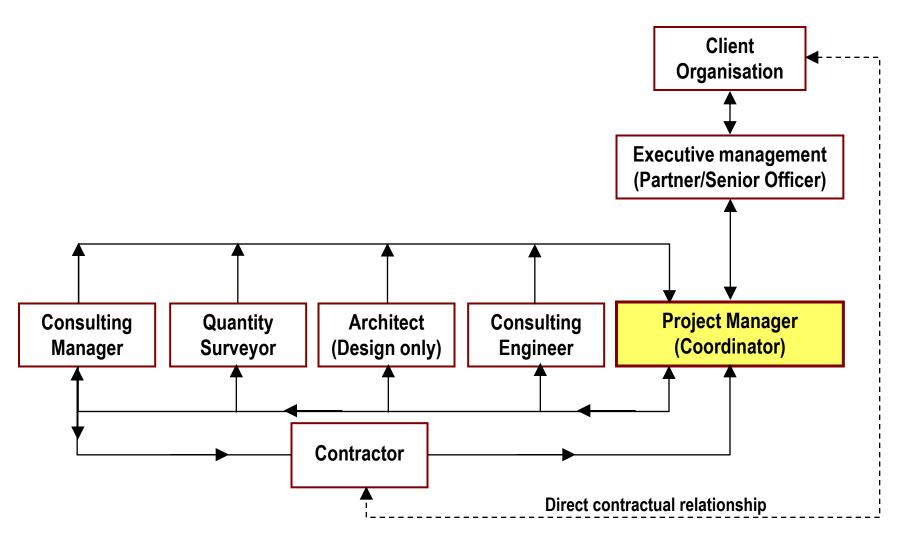
#### **CONSTRUCTION PROJECT MANAGEMENT STRUCTURE**

1. NON-EXECUTIVE PROJECT MANAGEMENT STRUCTURE

2. EXECUTIVE PROJECT MANAGEMENT STRUCTURE

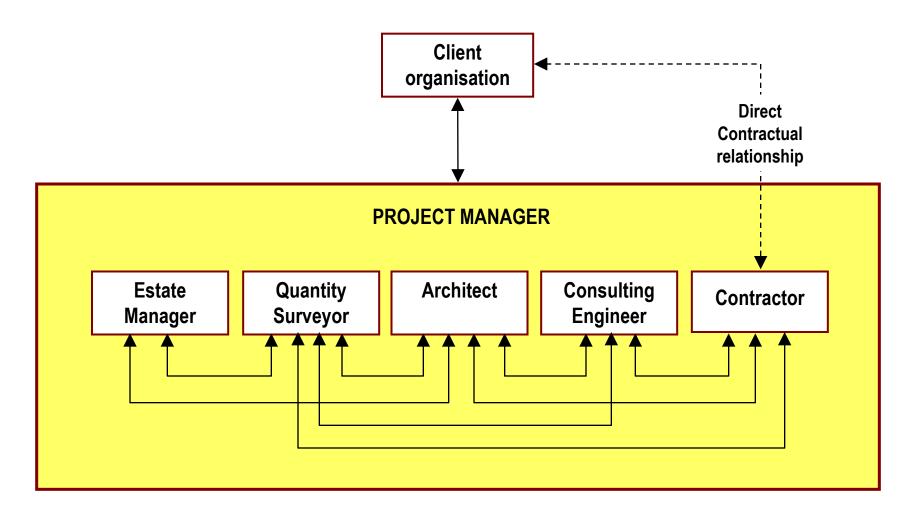


#### NON-EXECUTIVE PROJECT MANAGEMENT STRUCTURE



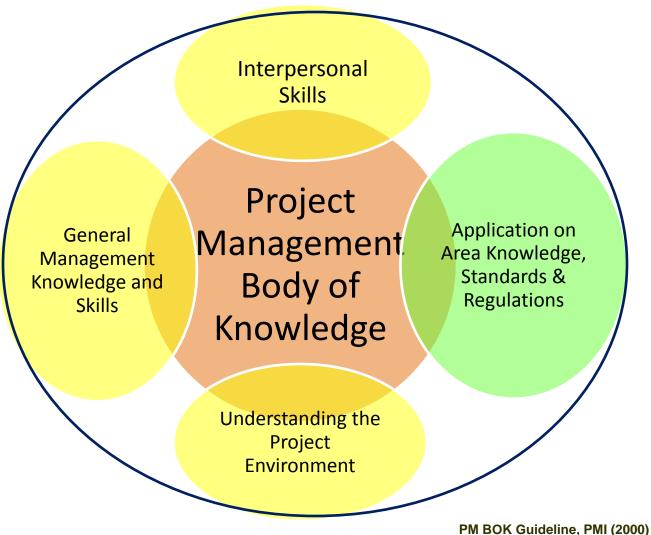


#### **EXECUTIVE PROJECT MANAGEMENT STRUCTURE**





#### Key Knowledge & Skills of Project Manager





#### General management knowledge and skill (explicit knowledge)

General management encompasses planning, organising, staffing, executing and controlling ongoing operations. Therefore, it is necessary also for project manager to have the following knowledge and skill

- Financial management and accounting
- Procurement and purchasing
- Sales and marketing
- Contract and commercial law
- Manufacturing and distribution
- Strategic planning, tactical planning and operational planning
- Organisational structure, organisational behaviour
- Health and safety practice and regulation
- Information technology



#### Interpersonal skill (Tacit knowledge)

- Effective communication
- Influencing the organisation ability to get things done
- Leadership developing vision and strategy
- Motivation energising people to achieve high level of performance
- Negotiation and conflict management arbitrate
- Problem solving



#### **Understanding of the environment**

- Cultural and social environment aspects of economics, demographic, educational, ethical, ethnic, religious and other elements
- International and political environment international, regional and local laws and regulations, political climate; time zone differences
- Physical environment local ecology and physical geography

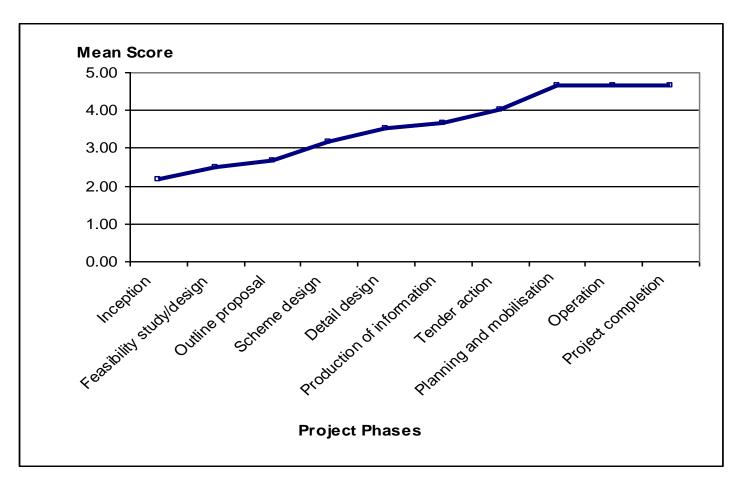


## Impact and Value of project manager's knowledge to the project

- By sharing the knowledge to project team; maximise the input
- By ensure project team is function; encouraging the team and trusting the team to use their experiences
- Ability to recognise strength and weakness; steering / lead the project team to achieve the goal.
- Minimise the risks, by using different techniques, approach to solve the problem arise;
- Minimising the costs & completion of projects within time.



## Relative influence of project phases on level of applying project managers' knowledge





### References and further reading

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