

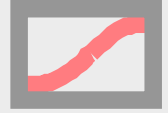


Centre

for Excellence in Project Management (P) Ltd.

CEPM - Strengthening project management since 1992

Jointly Organised by



PROJECT TEAM

First Time in  
India !

Unleashing the hidden potential, participate in

Seize this  
Opportunity !

## Three Days Workshop on Project Management for Engineering, Procurement and Construction Professionals (EPC)

19-20-21 November 2019, Hotel The Royal Plaza, Janpath, New Delhi

**MUST for those dealing with engineering,  
procurement and construction related activities**



**Frank-Peter Ritsche, CEO of Project Team® International Ltd. (Malaysia/Germany)**

He is the architect of EPC 4.0 and author of the Project Management Handbook for EPC. Will take you through the best methodology and next practices in managing engineering and construction related projects. Known globally for his powerful training methodology.

**Why should you attend this workshop!**

...prepare  
for the **change!**

Learn the **advantages**  
of EPC over conventional contracts

Get to know the **latest concepts**  
in project management  
specially related to EPC

An **opportunity to interact**  
with other participants to discuss major  
issues and best practices

Bring **clarity in handling contracts**  
as in a way every agency is an EPC at  
their product/service level

**Get training on EPC**  
from the Trainer globally  
well known

**Changing the mindset and behaviour in EPC management**



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Participants learn how to manage engineering, procurement and construction (EPC) projects for industrial plants, such as

- power plants
- refineries
- oil and gas or the
- chemical industry

A training based on the „Project Management Handbook for EPC“.

[www.project-team.org](http://www.project-team.org)  
[www.cepm.com](http://www.cepm.com)

EPCP – EPC Professional® is a certification program developed by ProjectTeam® for project management professionals in the EPC industry.

Some comments

- "Great opportunity to exchange experience and work on exercises with peers from the industry"

"Finally! This is the guidebook that I have been looking for since years!"

- "No academic studies, but practical tools that I can directly apply to my project!"

## Learning Outcome

In this seminar participants will learn :

- To understand the context of project management in standards like ISO 21500 and to apply them to engineering/ procurement/ construction (EPC) projects for industrial plants
- To establish a project plan considering all aspects relevant for EPC projects
- To set-up a project organization for large EPC projects
- To manage scope and contract and to defend your claims
- To plan and control costs, cashflow, schedule and risks
- To understand role of Quality and HSE (Health, Safety, Environment) Management in Construction
- To control your project pro-actively using reporting tools, KPI's and trends
- To understand the engineering, procurement and construction processes and tools and their interaction in project management

## Your Trainer

**Frank-Peter Ritsche, CEO of ProjectTeam® International Ltd.**

Frank-Peter Ritsche has 25 years of experience in EPC projects world-wide. He holds a mechanical engineering degree from the Technical University of Braunschweig (Germany). He held both operational project management and strategic positions covering the engineering, procurement and construction of conventional and nuclear power plants as well as in the chemical industry, with globally operating companies such as SIEMENS, FRAMATOME, AREVA and THYSSENKRUPP. He gained his on-site experience with major projects in Taiwan, Spain, Slovakia, Japan, Singapore, Finland and Egypt. Mr. Ritsche is founder of the "ProjectTeam® Global Experts Network", editor of the "Project Management Handbook for EPC", licensor of the "EPCP® - EPC Professional" training scheme and initiator of innovation project "EPC 4.0".



Collaborate by Partnership  
...needs **trust**

Flatten the Supply Chain  
...defines new ways of **collaboration**

Build flexible Organizations  
....requires **agility**

Digitalization - Industry 4.0  
...leads to **transparency**

Focus on Core Competences  
...will deliver **performance**

once in a lifetime opportunity !



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## A Three Day Historic Workshop on "Project Management for EPC"

1 <sup>st</sup> Day	19 Nov 2019	2 <sup>nd</sup> Day	20 Nov 2019	3 <sup>rd</sup> Day	21 Nov 2019
	9.30 - 5.30		9.30 - 5.30		9.30 - 5.30
<p><b>01 Welcome (Interactive)</b></p> <ul style="list-style-type: none"> <li>Introduction of the Trainer</li> <li>Introduction of Participants</li> </ul> <p><b>02 Introduction to EPC Project (Interactive)</b></p> <ul style="list-style-type: none"> <li>What is special to EPC Projects</li> </ul> <p><b>03 The Project Life Cycle</b></p> <ul style="list-style-type: none"> <li>The EPC Cycle</li> <li>From Inquiry to Warranty</li> </ul> <p><b>04 A Reference to Project Management Standards</b></p> <ul style="list-style-type: none"> <li>ISO Standards</li> <li>ProjectTeam - The PM Handbook for EPC</li> </ul> <p><b>05 Bidding for the EPC Contract</b></p> <ul style="list-style-type: none"> <li>Easibility and Pre-Qualification</li> <li>Big Preparation</li> <li>Introduction to FIDIC Contracts</li> <li>Bid Review and Contract Review</li> </ul> <p><b>Exercise: The Compliance Matrix (Interactive)</b></p> <ul style="list-style-type: none"> <li>Working with Assumptions Clarifications, Exclusions</li> </ul> <p><b>06 Planning the EPC Contract</b></p> <ul style="list-style-type: none"> <li>Project Initiation : The Project Charter</li> <li>Project Planning</li> <li>Establishing Internal and External Project Procedures.</li> </ul> <p><b>07 Project Organisations for Large EPC Projects</b></p> <ul style="list-style-type: none"> <li>The External and Internal Project Organisation</li> <li>Governance Processes with Executive Management</li> <li>Roles and Responsibilities in a Project Organisation</li> <li>Integration and Interface management</li> <li>Managing Human Resources in Project</li> </ul> <p><b>Exercise: A Project Organization (Interactive)</b></p> <ul style="list-style-type: none"> <li>Develop the org - chart for our sample project</li> </ul> <p><b>08 About Communication in a Project</b></p> <ul style="list-style-type: none"> <li>Stakeholder Management</li> <li>The Communication Plan</li> <li>Lessons Learne</li> </ul> <p><b>Exercise : Stakeholder (Interactive)</b></p> <ul style="list-style-type: none"> <li>Understand by key stakeholders in our sample project</li> </ul>	<p><b>Warm-up for day two</b></p> <ul style="list-style-type: none"> <li>Recap of the 1st Day, Q &amp; A</li> </ul> <p><b>09 Managing the Scope</b></p> <ul style="list-style-type: none"> <li>Project Structure</li> <li>The Definition of work Packages and the WBS</li> <li>Assigning the work</li> </ul> <p><b>Exercise The Responsibility Assignment Matrix</b></p> <ul style="list-style-type: none"> <li>Mapping OBS and WBS</li> </ul> <p><b>10 About Contract and Claim Management</b></p> <ul style="list-style-type: none"> <li>Setting up Contract Management in a Project</li> <li>Preventive and Active Claim Management</li> <li>Scope and Cost Change Control</li> </ul> <p><b>11 Managing Time</b></p> <ul style="list-style-type: none"> <li>The Scheduling Organisation and Procedures</li> <li>Freezing the Baseline and Controlling the changes</li> <li>Tracking the Physical Progress</li> </ul> <p><b>Exercise : The Critical Path Analysis (Interactive)</b></p> <ul style="list-style-type: none"> <li>Perform a Schedule Risk Analysis</li> <li>How Schedule Risk Change the Critical Path</li> </ul> <p><b>12 Managing Resources</b></p> <ul style="list-style-type: none"> <li>Quantitative and Qualitative Resource Planning</li> </ul> <p><b>13 Managing Cost and Cash</b></p> <ul style="list-style-type: none"> <li>The Commercial Organisation and Procedures</li> <li>Develop the Cost plan/budgets</li> <li>Budget Freeze and Budget Change Control</li> <li>Controlling Coat and Earned Value</li> <li>Payment Schedule and Cash Flow Planning</li> <li>Controlling Cash and Payment</li> </ul> <p><b>Exercise: Earned Value Analysis (Interactive)</b></p> <ul style="list-style-type: none"> <li>Determine PV, EV, AC, CP and EAC</li> </ul> <p><b>14 Business Administration</b></p> <ul style="list-style-type: none"> <li>Financing, Taxes, Guarantees, Insurances</li> <li>Legal and Corporate Compliance</li> </ul> <p><b>15 About Communication in a Project</b></p> <ul style="list-style-type: none"> <li>Identification and Evaluation of Risk</li> <li>Risk Mitigation</li> <li>Managing the Risk exposure and risk Contingencies</li> </ul> <p><b>Exercise : Risk Exposure (Interactive)</b></p> <ul style="list-style-type: none"> <li>Determine the Actual Risk Exposure of a Project</li> </ul>	<p><b>Warm-up for day three</b></p> <ul style="list-style-type: none"> <li>Recap of the 1st and 2nd Day, Q &amp; A</li> </ul> <p><b>16 Quality, Health &amp; Safety and Environment</b></p> <ul style="list-style-type: none"> <li>Standardization in QHSE</li> <li>Quality Management &amp; Quality Control</li> <li>HSE Management in Construction Projects</li> </ul> <p><b>17 Performance Control and Reporting</b></p> <ul style="list-style-type: none"> <li>Internal Project Management Reporting</li> <li>Reports, KPI's and Trend Curves</li> <li>Executive reports and Client reports</li> <li>The Monthly reporting cycle</li> </ul> <p><b>Exercise: Performance Control (Interactive)</b></p> <ul style="list-style-type: none"> <li>Review the reports and discuss consequences</li> </ul> <p><b>18 Engineering Processes</b></p> <ul style="list-style-type: none"> <li>The Engineering Disciplines</li> <li>Engineering IT</li> <li>Improving Engineering Efficiency</li> </ul> <p><b>19 Technical Configuration Management</b></p> <ul style="list-style-type: none"> <li>Quality Gates, Design Reviews, Design Freeze</li> <li>Technical Change Management</li> <li>Date Exchange and Data Life Cycle</li> </ul> <p><b>Exercise: Technical Change (Interactive)</b></p> <ul style="list-style-type: none"> <li>Review the change and discuss consequences</li> </ul> <p><b>20 Licensing Management</b></p> <ul style="list-style-type: none"> <li>The Requirements Management Process</li> <li>The Construction and Operation License</li> </ul> <p><b>21 Document Management</b></p> <ul style="list-style-type: none"> <li>Document Planning: The Master Document List</li> <li>Generation of Document</li> <li>Tracking Document Submittals &amp; Approvals</li> </ul> <p><b>22 Procurement</b></p> <ul style="list-style-type: none"> <li>Material Take-off</li> <li>Purchasing: Solicitation &amp; Supplier Selection</li> <li>Tracking Procurement, Manufacture, Shipping</li> <li>Material Management on Site</li> </ul> <p><b>23 Construction</b></p> <ul style="list-style-type: none"> <li>Site Organization and Logistics</li> <li>Aspects of International Construction Sites</li> <li>The Construction Processes</li> <li>Site Coordination and Supervision</li> </ul> <p><b>24 Commissioning</b></p> <ul style="list-style-type: none"> <li>Mechanical Completion Management</li> <li>Plant Commissioning</li> </ul> <p><b>25 Information Management</b></p> <ul style="list-style-type: none"> <li>The Project-Specific IT Architecture</li> <li>Data Security</li> </ul> <p><b>26 Closing out Project</b></p> <ul style="list-style-type: none"> <li>The Project Closeout Checklist</li> </ul>			

"Transform learnings to application at workplace  
Measure benefits and document best practices"

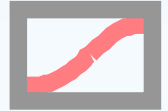


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## About The Main Organiser (CEPM)

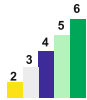
In 1992 Centre for Excellence in Project Management (CEPM) had organised India's first international conference on project management in association with United Nations Development Programme (UNDP) which laid the foundation of scientific project management in India.

- CEPM organised India's first international conference on project management in 1992 in association with UNDP with lead faculty from USA. This laid the foundation for creating a project oriented India.



- CEPM has trained 30,000+ persons on various project management topics and preparation of PM certifications e.g. CIPM, CrtPM, CrtAPM, CrtEVM etc. Totality of Project Management, Advanced PM Concepts, MS Project, Agile PM, Critical Chain, Soft Skills etc. We provide a large number of project management related training courses that are available as in-company / public workshops through traditional face-to-face training as well as online courses.

### Measuring Organisation's Management Maturity



CEPM is one of the leading organisations in the Asia-Pacific region in carrying out applied research in the field of project management. In today's environment, people have moved away from limited knowledge and limited accessibility to unlimited knowledge and accessibility.

### Project Management Consulting



CEPM has been involved in providing project management consulting since over two decades. Some examples of the consulting services provided by us are:

Some Clients:



MoSPI



### EPC 4.0 Training & Consulting

MoU titled "Driving forward project management excellence for the EPC industry in India" between CEPM and ProjectTeam® (Germany). L-R Adesh Jain, Frank-Peter Ritsche, Ruchira Jain and TKA Nair



### National Project Management Team Excellence Award (PMTEA)



Trophy for the Winning team



Trophy for the Runner-up Team



Trophy for the Best Individual Performer



(2013) Dr. V Moily releasing CEPM MDs 1st book

### CEPM Publications (14 Books)

CEPM has also published 14 major books on project management. It covers the diversified topics covering projects, programs and portfolios including Agile methodology.



(2017) Suresh Prabhu releasing CEPM MDs 2nd book

**Registration :**  
 Rs. 39,500 Per person + 18% GST  
 Payable to : Centre for Excellence in Project Management (P) Ltd.,  
 Fee does not include travel and hotel accommodation  
 Online Payment : <https://www.pmguruonline.com/Payments>  
 GSTIN : 09AABCC7362B1ZW

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