

Behaviour | Mindset | Attitude  
transformation in organization | Processes | Methods



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

By INVITATION ONLY

November 18, 2019

Venue : Tagore Chamber, Core - 8, SCOPE Complex,  
7 Lodi Road New Delhi- 110 003

**EXCLUSIVE EXECUTIVE ROUND-TABLE ON**  
**"EPC 4.0"** EPC - Engineering / Procurement / Construction

Jointly Organised by

  
**Centre**  
for Excellence in Project Management (P) Ltd.  
CEPM - Strengthening project management since 1992

**i2P2M**  
International Institute of  
Projects & Program Management  
(a not for profit company)  
setting a new benchmark in executive education globally

Supported by

  
**NITI Aayog**

In Association with



**Collaborate by Partnership**

ALLIANCE  
CONTRACTS  
INTEGRATED  
TEAMS

...needs **trust**

**the human factor**

collaborate by partnership	flatten the supply chain	build flexible organizations	focus on core competences
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**Build flexible Organizations**

OUTSOURCING  
STRATEGIC PARTNERS  
AGILE METHODS

...requires **agility**

**Flatten the Supply Chain**



STRATEGIC SUPPLIER  
INTEGRATION  
SMART CONTRACTS  
PAY-PER-USE

...defines new ways of **collaboration**

**the opportunities of digitalization**

**Digitalization – Industry 4.0**

BIM  
BLOCKCHAIN  
AUTOMATION and AI

...leads to **transparency**

**Focus on Core Competences**

RISK COMPETENCE  
INVEST IN INNOVATION  
BE THE BEST

...will deliver **performance**

[www.project-team.org](http://www.project-team.org)  
[www.cepm.com/epc4](http://www.cepm.com/epc4)

 **EPC 4.0**

"EPC 4.0 is a joint initiative by ProjectTeam®, Tiba, M8International, maexpartners and d1g1talAgenda".

***“We need to halve the cost of capital projects to enable them to do twice as many projects with the same allocated budget, not through putting more cost pressure on supply chains, but through fundamentally rethinking the delivery model.”***

*- Paul van Weert, Manager of Shell*

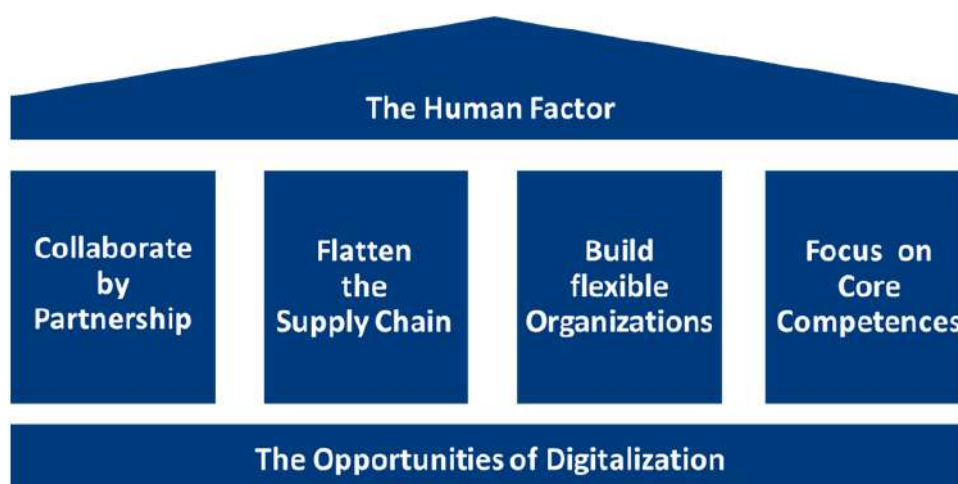
***The question to 80 EPC\* executives in India was: “Are you in the comfort zone continuing the traditional way with continuous improvement or do you feel the need for radical transformation”. All 80 responded for radical transformation.***

*\*EPC Industry Top Management Seminar by CEPM /I2P2M in New Delhi on December 12, 2018*

Innovation Project EPC 4.0 is an initiative undertaken by five prominent German EPC consultancy companies under the leadership of ProjectTeam®. The partners involved in this initiative are Tiba, maexpartners, M8International and D1g1talAgenda. The results of this project were published in May 2019 and an extract can be downloaded on [www.epc-4-0.eu](http://www.epc-4-0.eu).

**Invited participants to the Executive Round Table in New Delhi will exclusively receive the full 115-pages report that normally comes with a nominal fee of 500 EUR.**

The team under the lead of ProjectTeam® has developed a model with 6 transformational levers that have the potential to unleash the hidden potential in the EPC of industrial plants and to save up to 50% of CAPEX. These findings are endorsed by other international organizations, such as ECI (European Construction Institute, London UK) and CII (Construction Industry Institute, Texas US).



The traditional way of performing EPC business does not work any longer. The way how we manage the Engineering, Procurement and Construction (EPC) of industrial plants (and other businesses) today has not very much changed in the past 50 years. The plants we build are technically not much different from the ones built 50 years ago. The oil and gas industry is world champion – in avoiding digitalization. The EPC industry as a whole is spiritless in driving innovations, compared to automotive or even the IT sector. It is an open secret that productivity has not increased since 20 years. Consequently in the global competition for investments the EPC business is clearly the loser.

This exclusive Executive Round Table on EPC 4.0 will clearly demonstrate the tasks ahead of EPC business in tune with the current business and technological setting.

## Keynote Speakers



**Yaduvendra Mathur, Special Secretary NITI Aayog, Government of India**

Mr. Mathur is an Indian Administrative Service Officer of the 1986 batch. A First Class Graduate in Economics and an MBA in Finance, Mr. Mathur has worked with Golden Tobacco and Associated Cement Companies in Mumbai between 1982 – 1984 before joining the Indian Revenue Services (Income Tax) in 1984 and then the IAS in 1986, topping his batch. He has had long stints in various positions in the Finance Department including Principal Secretary Finance, Government of Rajasthan. During his position under the Department of Economic Affairs (2001 - 2003) at Cote d'Ivoire and Tunisia, Mr. Mathur worked as Assistant to the Executive Director of African Development Bank. He served as the Chairman and Managing Director of Export - Import Bank of India since February 20, 2014 until February 22, 2017. Currently he serves as Special Secretary to Government of India at National Institution for Transforming India (NITI) Aayog.



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

Frank - Peter Ritsche has 25 years of experience in EPC projects world-wide. He is certified PMP® since 2005 and holds a mechanical engineering degree from the Technical University of Braunschweig (Germany). He holds 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".



**Adesh Jain, Chairman, International Institute of Projects & Program Management (i2P2M), India**

Adesh Jain is Chairman of i2P2M which has set a new benchmark in executive education through its International Executive Diploma in Project Management (I/EDPM) and is one of the four global PM certification bodies. He holds B.Sc., B.E. in Electrical Engineering from Indian Institute of Science, Bangalore and Masters of Engineering in Control Systems from Canada in 1967. After 8 years in Canada, he returned to India in 1973 and initiated both the IT and project management movement in India. Adesh is a past President and Chair of the IPMA and till date, is the only non-European to be a President of IPMA. Adesh has addressed or trained over 100,000 people worldwide, has made over 50 keynote presentations, is author of the book "New Dimensions in Project Management" (1992) and in 2014, his book "Assorted Thoughts on Project Management" was released by Shri Nitin Gadkari, Union Minister of Government of India. He has authored over 50 articles on project management. In 2006, he was conferred the title of Honorary Chairman of China's Construction Project Management Committee (CPMC), the first non-Chinese to enjoy such a privilege. He spoke twice in NASA PM Conferences in 2010 and 2012. **In short he is a visionary leader shaping the project management profession globally and is often referred as Bhishma Pitamah of project Management.**



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### Part 1 Contemporary Trends

09.00	Registration	
09.30	Transforming EPC for Transforming India	Yaduvendra Mathur, IAS Special Secretary NITI Aayog, Government of India
10.00	EPC 4.0 -Unleashing the Hidden Potential	Frank-Peter Ritsche CEO, ProjectTeam®Int'l Ltd
10.30	Digitalization in EPC - A Case Study	Navtej Garewal, Head, AVEVA India
11.00	Tea Break	
11.30	Collaborating Contracting	Frank-Peter Ritsche CEO, ProjectTeam®Int'l Ltd
12.00	Integrating the Supply Chain	Reinhard Wagner, Director, TIBA Group, Germany
12.30	Flexible Organizations - Standardized Education	Ruchira Jain, Managing Director, CEPM
13.00	The Human Factor-the master key	Adesh Jain, Chairman, i2P2M
13.30	Business Lunch	

### Part 2 This special session is aimed to phrase participant's recommendations about how the industrial community and the government can support the transformation of EPC industry in India.

14.30	Issues in EPC Contracts - Indian Context	16.30	Strategies for resolving key issues
15.30	Prioritisation of Issues	17.15	Summary
16.00	Tea Break	17.30	Close

### Who will benefit

We invite strategic decision makers from investors/ owners/ operators of industrial plants, from companies and from the associated supply chain supporting this industry to discuss the potential of EPC 4.0 to transform the EPC business in India.

**Investors and Owners/ Operators** (from the massive cost savings in their combined CAPEX/ OPEX with a feasible potential to cut project costs by up to 50%, determined by fundamental strategic decisions taken at the earliest stage of project development EPC Contractors)

**Subcontractors and Suppliers** (from a better balanced and more efficient use of resources, and from the innovation potential to improve their processes and products that arise through the opportunities of digitalization and through the access to operation and maintenance)

**Project Partners** (from the significant reduction in own risks in an approach where risks are allocated to the party that is best able to manage these)

**Consultants, Researchers and Regulators** (from the (overdue) innovation move in the EPC business towards industry 4.0, not only in digitalization and innovative technologies, but also in the areas of human resources (competencies) and agile organizations, and in related processes and methods, such as new contracting models)

### Participation by Invitation only

**For Invitation, please contact :** Shikha Kandelwal, EPC 4.0 Coordinator  
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