

Project Management In Construction Workshop

3 CPD

**Dates: 17-18 Feb 2022, 19- 20 may 2022,
11-12 Aug 2022, 20-21 Oct 2022**

Venue :Johannesburg , South Africa /Online

NB* dates set according to availability of our subject matter expert



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Project Management in Construction Workshop

Project management is an art, and all profitable and successful business endeavours need to be approached from a Project Perspective. This is even more important in the construction industry as there are many variables and often many restraints that can both hamper or help construction projects to succeed. This CASI Construction Academy Workshop will provide some new and additional insights into the project management approaches, human behaviour, interdependencies, and relationships that facilitate successful projects. Whilst project focus is often ideally to improve quality, volumes and reduction of costs, they are normally driven by ongoing improvement, fluctuating pricing, competition, capacity and capability issues, and ongoing change. Managing and executing projects that are on time and within budget is the primary goal. This can be done by identifying, exploiting, and managing project improvements and changes.

There are a number of different project management methodologies such as Rational Unified Process, Agile, and Prince2 that form part of the project management and are applied within the construction industry. This workshop focuses on the most proven and reliable techniques that encapsulate various management aspects from the above methodologies that have been applied successfully across the world. By definition, construction project management is the act of planning, organising and overseeing the various tasks with insights of governance, change and risk management involved in a construction project. It is performed by individuals known as project managers, who represent the builder or contractor hired to perform the work. Construction project management is a complex task that changes dramatically from project to project. Employees working in this field will find that the requirements and processes of management will constantly shift depending on the specifics of the project. This workshop will explore the practical issues that project owners, managers, contractors and stakeholders face in nearly all projects. At an operational level, projects are fundamentally about vigilance and ongoing innovation and improvements.

What Will be addressed

Delegates will gain insight and knowledge regarding:

- The changes in the Construction Regulations of 2014 and how these changes influence construction projects
- The principles of Construction Project Management
- How approval processes work and why they are needed
- New ways of managing people in projects
- Integrating safety issues at a more advanced level in projects
- Managing ongoing and significant improvements in projects
- New skills in terms of risk management
- Dealing with change management
- Projects and system thinking and implementation
- Verification and cross-checking techniques
- Monitoring and evaluation practices, including how to obtain and give feedback
- Documentation practices, including version control
- Professional responsibility and respect for ethics, society and others
- Implementing Corporate Governance in terms of Construction Projects

Who Should Attend

- Project managers/planners
- Junior Project Managers
- Operations managers
- Middle to Senior Engineering Managers
- Building contractors
- Quantity surveyors
- Supply Chain
- Risk managers
- Sheq Officers
- Financial Managers

Overview





Project Management in Construction Workshop

Benefits of Attending

- Take a fresh look at the intricacies of construction project management.
- Evaluate the changes in Construction Regulations (2014) and the implications in construction projects.
- Look at the roles responsibilities of the key players in terms of the Regulations.
- Discover the importance of project communication within the multidisciplinary construction environment
- Look more deeply at the relationships between all stakeholders in construction projects.
- Gain insight into human behaviour.
- Determine how projects are affected by physical and logical constraints, and other core conflicts.
- Explore Scope Management in terms of Quality- Time-Cost (QTC).
- Review good corporate governance in order to manage projects more effectively
- Determine best fit project methodology for individual projects.
- Establish how to significantly reduce your project time, maintain costs and the scope/quality of the project.
- Re-evaluate critical issues that affect projects including time usage, protection, late starts and rework.
- Ascertain the impact of project performance to ROI, opportunity costs, financials and shareholder value.
- Explore reporting methods and measurements that facilitate effective decision making.
- Planning/Scheduling approaches with various examples to get practical results.



Training courses on set dates, online/ venues across the country. Suitable for those looking to attend a training course and share knowledge and practical experiences with like-minded others in an interactive learning environment.



DAY 1

Session One

Construction Project Management: A look at the real challenges and the realities of Construction Projects

- What is Construction Project Management?
 - The Specific roles and functions of a Construction Project Manager
 - Roles in the Design, Pre-Construction, Construction and Project Completion phases
 - The multiple disciplinary construction environment
 - Traditional Design/Bid/Build challenges
 - Scope – QTC Impact
 - Project organisation and management structure
 - Project Life Stages: (RUP) – Rational Unified Process – Iterative Approach
 1. Inception – Beginning – Business Case, Idea Generation, Secure Budgets, Initial Approvals, Stake holder buy-in etc
 2. Elaboration –
 - a. High Level Design, Integration Information
 - b. Detailed Design, Budget Re-review and approvals, Stake holder Proceed/Green!
 3. Construction – Building, Test and Fix
 4. Transition – Transformation of idea into actuality
 5. Implementation/Closure – Complete and Close the project
- Project Life Stages: Waterfall Approach -Initiation, Planning, Implementation (BTF) and Close

Session Two

Construction Regulations (2014) and its impact on Construction Projects

- The law and construction
- What is new in the Construction regulations of 2014?
- Roles and responsibilities in terms of the Regulations
- The Construction Project Manager and Health and Safety Regulations
- Creating systems to implement the Construction Regulations effectively

Session Three

Communication in Construction Projects

- The need for effective communication
 - Creating communication feedback systems
 - Involvement and accurate communication
 - Systems for communicating conflict, variations and change orders
 - Meeting systems for better communication
 - Creating an interactive communication culture between all the disciplines
 - The need for negotiation skills
 - A look at the need for effective conflict management
- A means to keep projects on track

Session Four

Project Management Process, Risk Management and Mitigation

- Specific task deliverables
- Time estimations
- Task performance, time and quality
- Project overruns/savings on time, costs, scope or content
- Reducing project uncertainty
- The effect of Parkinson Law “works expands so as to fill the time available for its completion.”
- Why gains, time and costs from tasks/projects are hardly ever transferred
- Most tasks experience late starts, late completion and still have rework
- Volume of tasks/resources, long and wide chains creates challenges
- Qualifying and quantifying the task and/or project effectiveness versus efficiencies
- Construction project risk assessments
- Designing and managing your risk matrix
- Continuous risk management and risk mitigation principles



Session Five

Key Deliverables in Construction Projects

- Analyses key deliverables: On time; On budget; Within Scope and, with Quality
- Discussion and review as to whether it is important that all tasks are completed in time, or that the project is completed on time
- The conflicts that arise surrounding priorities, resource availability, costing and variations.
- Challenges to improve reserve net present value, quality, production and financials
- Project managers often have too little time to solve many problems - issue of focus
- Productivity, lead time vs. touch time, exploring the flow principles and time consumption within projects
- Analysing the effect of interdependencies and relationships between tasks/projects and how they present themselves as variations/fluctuations,
- Murphy, blockage, starvation, setups and reworks
- How and where time is lost, haulage example and general time analysis.
- What we believe, what is in our control and what is not?
- Summary, why project owners/ managers often juggle between time, costs, scope or content

Session Six

Effective project management, planning and scheduling

- Allocation of people, tasks, and time in projects
- Balancing capacity vs. balancing flow
- Understanding leverage points
- Reliable project execution, by
- Integration and synchronization
- Project staggering
- Building and managing safety
- Selecting correct planning/scheduling approach to meet the need of the project (CP-CC)
- Knows where to focus to bring the project on track
- Effective project reporting methodology
- Reviewing potential project time and costs savings, and the impact on the opportunity costs/income

Session Seven

Successful change processes that ensure effective project execution and performance

- The importance of Quality Management
- Continuous Quality Management as a core procedure
- Quality and change
- Summary of the solutions and how to effect change
- Influencing behaviour and measurements that drive behaviour
- The 4step change process, simple and powerful approach
- Steps to generate, focus on, and drive significant improvements
- Continuous improvement
- Knowing when to and what to, stop, start, continue doing
- Where to focus for investment and return on investment
- Being successful creates momentum and trust

Session 8

Overall Project Governance and Reporting Standards

- Governance – Reporting on Schedules, Reporting on Financials (TD), Simultaneous Tasks – Saving time
- Vendor Management
- Supply Chain Management
- Contractor Management
- Design-Construction Management
- Scope Change Management
- Risk Management
- Integration Management
- Financial Management
- Human Resource Management



In-house Training

Maximize on learning and reduce on company downtime by managing your employee training .

Designed for you

Tell us your training needs, and we will plan an agenda to address the issues that matter most to your organization Focus on your own company rather than generic examples, and maximize impact by incorporating presentations from your auditors or company management.

Run the training where and when you want it – at your own premises or at another suitable venue of your choice - anywhere in the world.

Rely on our experience

Receive first class support and advice from our dedicated team from planning to delivery and de-brief.

Work with CASI CA instructor best qualified for your organization and your business sector.

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The benefits

Upgrade your team's skillset, invest in your staff and increase their job satisfaction through empowerment.

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Our cost effective In-House courses are priced per day with no limit to the number of participants. If you choose to train locally, you will save on course fees, travel expenses and time away from the office.

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Registration

- Complete the registration on the last Page
- Select delegate package
- Submit scanned copies to register@casits.co.za
- Receive invoice , Make payment , Complete pre-workshop Questionnaire
- Attend Session



www.casits.co.za

To register Email: register@casits.co.za

Contact Numbers +27 87 700 5633 /+27 794 11 70 42

Delegate Registration form- Mk www.casi.co.za +27 (0) 87 700 5633/ +27 794117042 Email scanned copy to : register@casi.co.za

Delegate Details

Full Names : _____

ID number : _____

Position : _____

Cell Number : _____

Email : _____

Regular Vegetarian Halal

Full Names : _____

ID number : _____

Position : _____

Cell Number : _____

Email : _____

Regular Vegetarian Halal

Full Names : _____

ID number : _____

Position : _____

Cell Number : _____

Email : _____

Regular Vegetarian Halal

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Delegate Fees

R8 999 Local Delegates excl. VAT per delegate

Session , Conference fees , material hand outs . Does not include Travel and Accommodation .

R9 999 International Delegates excl. VAT per delegate

Session , Conference fees , material hand outs . Does not include Travel and Accommodation .

Payment By Means Of Bank Transfer

All Payments Must be made directly into the CASI Bank Account provided on the invoice and proof of banking details

Please state the invoice number as reference .

A copy of the bank deposit / Proof of Payment receipt must be emailed to accounts@casits.co.za

Invoice Contact

Full Names : _____

Position : _____

Department : _____

Direct Line : _____

Cell Number: _____

Email : _____

I hereby acknowledge that I have read an understood all the terms and conditions of registration and have the authority to approve the registration on behalf of the company

Name _____ Position _____

Approving Managers Signature : _____ Date: _____ email: _____

Direct line: _____ Company Name: _____

Type of Business: _____ Company Registration# _____

Tel : _____ Fax: _____ VAT Number _____

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In the event that CASI postpones an event, delegate payments at the postponement date will be credited towards the rescheduled date. If the delegate is unable to attend the rescheduled event, the delegate will receive 100% credit representing payments made towards one future CASI. This credit will be available for up to one year from the date of issue. No refunds will be available for cancellations or postponements. We reserve the right to postpone a seminar due to low enrolment. CASI reserve the right to amend any part of the Conference programme if necessary at any time. CASI suggests clients wait until a week prior to course commencement that a course has been confirmed to go ahead as scheduled before booking flight and accommodation. CASI is NOT responsible for cost associated with cancellation/ Postponement of classes such as flight and accommodation for clients.

CASI will not be held liable for travel and accommodation costs. The conference fee for physical classes includes: conference material, lunches and refreshments, but excludes travel & accommodation. CASI has a strict no cash Refund Policy . We reserve the right to cancel delegate registration if delegate conduct is not followed .CASI is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/ postponement of an event. CASI shall assume no liability whatsoever in the event this conference is cancelled ,rescheduled or postponed due to a fortuitous event, act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable or impossible. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergencies. Alterations to the program will be communicated to the fully registered delegates . Any venue/ platform listed must be treated as provisional . Please note: Upon receiving the registration form, an invoice will be issued electronically.

Delegates are not permitted to record or reproduce any part of the online session . When payments are made, please supply the bank with your Invoice number as reference. The organisers reserve the right to make to the programmes, speakers, venue or the dates should the need arise. All unpaid invoices will be handed over . Invoices must be paid within 5 days of registration . We have the right to limit the vouchers being offered.