4D CONSTRUCTION PLANNING

KEEPING CONSTRUCTION PROJECTS ON TIME.

‘Teamwork - one goal’
Construction planning is a huge factor in today’s construction industry. While a wide range of planning methodologies have been used over the years, the disparity between execution and plan is still a huge and costly issue in this sector. FC International has a proven record in implementing 4D planning and effectively minimising risks, costs overrun and delays.

4D planning enables stakeholders in a construction project – from architects to contractors and subcontractors – to visualise the duration and sequence of a series of construction activities from start to finish, regardless of the complexity of the project.

Using visual representation of physical and functional characteristics of construction sequence in relation to time, FC International provides extremely robust construction plans that can be used to visually coordinate between all subcontractors/tradesmen, designers, and the owners. FC International promises an exceptional outcome.

KEY BENEFITS:
- Accurate and realistic plan to manage and construct your project
- Validate and optimise project plans before starting on-site
- Review, communicate and co-operate in a digital and interactive visual environment
- Better quality, safety, productivity and efficiency of projects globally
- A platform that provides a single technology solution to create your approach to accurately visualise, analyse, edit and track your entire project including logistics and temporary works
- A visually data rich environment engages all team members in a transparent process to optimise construction projects of all types, from tendering through construction, commissioning and handover

FC International offers your organisation the power of real time visualisation to deliver construction projects reliably, better, faster and cheaper.
FC International provides comprehensive construction scheduling services to ensure building projects run smoothly, on time and to budget.

Working on infrastructural, industrial and commercial projects across the private and public sectors, the team of experts at FC International has many years’ experience in engineering and construction and apply this knowledge to the everyday challenges that owners, contractors, engineers, and architects face throughout the construction process.

The company offers specialist consultancy services in construction programming (time scheduling) and planning. To this end, we have invested in the latest 4D Building Information Modelling (BIM) technology to ensure construction runs more smoothly, and has a greater chance of being completed in accordance with schedules and budgets.

We look forward to working with you.

**OUR OTHER SERVICES:**
- Construction claims & disputes
- Panel of experts
HOW WE CAN HELP

PRE-TENDER / TENDER
- Commercial and risk advice
- Independent governance
- Planning and scheduling
- 4D planning
- Contract review and preparation

KEY DELIVERABLES/TASKS
- Strategic review of contract/tender documents and advise accordingly
- Identify key risks and provide mitigation plan/advice
- Detailed review of contract documents and recommendations
- Independent governance
- Master planning
- Detailed construction planning
- 4D planning

PRE-CONSTRUCTION
- Commercial and risk advice/plan
- Tender evaluation
- Planning and scheduling
- Independent governance
- Project structure set up

KEY DELIVERABLES / TASKS
- Setting up risk management plan
- Setting up commercial activities
- Ensure good practice is implemented
- Independent governance
- 4D planning
- Detailed construction planning
- Tender evaluation
- Set up project compliance strategy
- Pre-construction project health check
- Peer review of budget allocation

DURING CONSTRUCTION
- Commercial and risk advice and implementation
- Scheduling and planning
- 4D planning
- Project health check

KEY DELIVERABLES/TASKS
- Frequent project health checks
- Implementation of risk management
- Commercial support and positioning
- Scheduling and planning
- 4D planning
- Programme monitoring and control
- Resource allocation/analysis
- Cashflow analysis
- Earned value
- Contract reconciliation
- Estimate to complete

SOLUTION (DURING ANY STAGE)
- Dispute solutions
- Delay and disruption claims
- Forensic delay analysis
- Forensic cost analysis

KEY DELIVERABLES/TASKS
- Commercial positioning and negotiations
- Delay and disruption claims
- Commercial damages
- Liquidated damages
- Loss of productivity
- Loss of opportunity
- Forensic cost analysis
- Entitlement assessment:
  - Acceleration
  - Breach of contract
  - Differing site conditions
  - Delays
  - Disruption
  - Defective and deficient specifications
  - Independent expert witnesses

CONTACT US
If you need help with construction scheduling or planning or would like a demonstration of our 4D planning, please call us on: +64 800 333 009 or email us: info@fsc-intl.com

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