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## **INTEGRATED SOLUTIONS CONSULTANCY**

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#### **ABOUT THE CHAIRMAN**



Dr. Ahmed Helmy, The Director & Founder of ISC Dr Ahmed Helmy is the Director and Founder of INTEGRATED SOLUTIONS CONSULTANCY and based in the UK. His professional skills include Project Management Support Services, Value Engineering, Claims Management, Building Information Modelling, Risk Management and Lean Construction.

#### LEAN CONSTRUCTION AS AN INNOVATIVE **APPROACH FOR MINIMISING RISK**

in Mega-Construction Projects

In the past two decades, developing countries in the Middle Eastern Gulf have enjoyed a rapid increase in construction projects. This expansion has been fuelled by increased spending on infrastructure by the region's governments.

Despite the successes, construction companies still face many challenges, including completing projects on time and within budgets. Any failure to meet deadlines create a negative image of the industry in that region.

The negative impact of these challenges has been confirmed through three sources. Primarily, data collected from documents concerning completed construction projects in which the researcher has been professionally involved. Secondly, the researcher's experience in the field of construction project management in the Middle East and risk management in particular. Thirdly, an extensive study of the literature in this domain.

These findings have identified a set of the most common problems associated with construction projects in one of the Gulf Area countries - the Kingdom of Saudi Arabia (KSA). These risks have been categorised into three individual types: Construction Waste, Delayed Schedule, and Project Over Budget.



## **SECTION 1 ISC COMPANY OVERVIEW**





SOLUTIONS CONSULTANCY

#### **COMPANY OVERVIEW**

Over the past few years, ISC has earned a reputation as Project Management specialists based on the highest professional standards and the broadest base of skills, experience and knowledge.

ISC provides a professional, personal and comprehensive service whilst maintaining a proactive and flexible approach to meeting the specific needs and objectives of our clients. We are committed to maintaining a focus on service delivery.

To maintain this focus, ISC employs only the most experienced and committed people. The success of a project ultimately comes down to the people working on the project. ISC provides high calibre people with the commitment, drive and enthusiasm to see a project to its successful conclusion.

Through its people, ISC has project experience across a wide range of market sectors including building, infrastructure and engineering projects in both the public and private sectors. Our ability to handle a spectrum of construction projects is well proved. At ISC, we genuinely pride ourselves on the repeat business we receive. A selected list of clients is provided within this profile and testimonials are available if required.

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## **SECTION 2 ISC CORPORATE DATA** SHEET





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#### **CORPORATE DATA SHEET**



#### **INTEGRATED SOLUTIONS CONSULTANCY**



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## **SECTION 3** ISC's VISION, MISSION & PHILOSOPHY





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#### **VISION, MISSION & PHILOSOPHY**

#### VISION

ISC's vision is to be recognised as a leading international project management company that consistently delivers exceptional service to its clients. This service is based on mutual trust, respect and the highest level of efficiency, expertise and experience.

#### **MISSION**

Our mission is to provide a professional and personal, reliable and trusted service, whilst maintaining a commercial and flexible approach to meet the specific needs of our clients.

#### **PHILOSOPHY**

We aim to provide consistently high quality service, delivering projects on time and within budget. We strive to establish client relationships built on a foundation of trust and mutual respect. We pursue growth, learning and innovation, creating improved integrated solutions on every project.

#### Values:

- Integrity
- Commitment to Customers
- Innovation
- Passion
- Constant Improvement
- Leadership

#### **Principles:**

- Safe Work Environment
- Efficiency
- Open Book Management
- Honor









# **SECTION 4**



## **ISC'S PROFESSIONAL SERVICES**

#### **COMPETITIVE ADVANCEMENT CONCEPT**

- Lean Construction Management
- Six Sigma Management
- Building Information Modelling (BIM)

#### **PROJECT MANAGEMENT**

- Schedule Management
- Cost Management
- Quality and Performance Control Management
- Communication Management
- Risk Management
- Procurement Management
- Stakeholder Management

#### **PRE-CONTRACT MANAGEMENT**

- Design Management
- Planning Permission
- Contract Management

#### **POST-CONTRACT MANAGEMENT**

- Construction Supervision
- Logistic Management
- Commercial Management
- Claim & Disputes Management

#### **GLOBAL DEVELOPMENT MANAGEMENT**

- Sustainability Management
- Health, Safety, Security & Environment Management

#### **OTHER**

**Support Services** 





# **SECTION 5** WHAT ISC DO









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#### **SECTION 5.1** WHAT ISC DO

#### LEAN CONSTRUCTION MANAGEMENT

Lean Construction Management (LCM) was developed to meet emerging needs, putting

the focus squarely on an integrated project solution.

LCM applies agile software development approaches to The Planning Phase and lean management to The Execution Phase of construction projects.

These planning processes are dovetailed to achieve desired goals efficiently.

Project execution is timed to the smallest detail and flexibly managed on-site.

#### **LEAN CONSTRUCTION PRODUCES:**

- Significant increase in project efficiency
- · Achievement of schedule, cost and guality goals
- Increased efficiency across the entire value chain with improved quality
- Improvement in communication and processes
- Time savings of up to 30%
- Greater stability ensuring everything goes according to plan
- Avoidance of obstacles and disruptions
- · Early identification and avoidance of risks

#### LEAN PRODUCT DEFINITION

- Target definition
- Modules and systems
- Specifications

#### LEAN DESIGN MANAGEMENT

- Target value design
- Modularization/standardization
- Specifications
- Agile planning management

#### LEAN SITE MANAGEMENT

- Standardization & prefabrication
- Construction site production system
- Construction site logistics
- Commissioning





#### **PROJECT STRUCTURE/LEAN PROJECT SETUP**

- User integration
- Project organization
- Change management
- Reporting

#### ABOUT SIX SIGMA MANAGEMENT

ISC is committed to the Six Sigma process. Six Sigma is a set of techniques and tools for process improvement which aims to identify and eliminate defects. The word 'defect' refers not only to mistakes but also to any result that fails to meet client specifications/could lead to a process likely to dissatisfy clients.

ISC uses Six Sigma to create a culture where continuous efforts are taken to achieve stable and predictable process results. These efforts apply to every stage of a construction project - from sales to bidding to on-site operations and in-house financial management.

#### **Building Information Modelling (BIM) Services**

- Coordination and clash detection analysis
- Project's Management and responsibility matrixes
- 3D Modelling
- 4D Simulations
- 5D sequences
- 6D spreadsheets Construction Operations Building Information Exchange (COBie)
- IFC Certifications and Facility Management
- BIM Level II
- Level of Details / Development (LOD) 500

ISC intelligently implements Building Information Modelling (BIM) Services during construction so that it would guarantee accurate delivering, maintaining, handling, facilitating and Engineering a 3D model-based file; coordinated.

Carrying out 4D Simulation and 5D sequence during the construction phase and delivery.

ISC efficiently achieved to reach 6D model-based project by introducing "Construction Operation Building Information Exchange" or COBie to the Egyptian market, Industrial Fundamental Class (IFC) Certifications and lifetime operational cost control which fulfills ISC's main goal.









#### WHAT ISC DO

#### SCHEDULE MANAGEMENT

Large schedules require the management, coordination and integration of multiple, concurrent assignments.

From concept to completion, we provide the necessary technical and administrative services to help our clients meet their program objectives. ISC act as an extension of our clients' staff, protecting their interests as our own.

ISC is an industry leader in program management services for large capital programs. We oversee activities ranging from planning, coordination, scheduling and cost control to design, construction and commissioning.

ISC specialize in serving both public and private clients with extensive expertise in community infrastructure including facilities for education and healthcare, sports and leisure, transportation and water as well as public gathering venues.



#### **COST MANAGEMENT**

It is essential that procedures adopted for the management of the construction phase are clearly understood.

These procedures must be established prior to work commencing on-site. In standard forms of contract used by government departments, many of the management procedures are requirements of the contracts themselves.

# The Key Aspects of The Management of The Construction Phase are:

Monthly valuations and cash flow management as part of change control, establishing formal

procedures for issuing variations, including the pre-agreement of estimated costs and the effects on the programme.



Ongoing value engineering (part of the value management process) of design and construction, including an examination of buildability.

The main contractor is generally required to present monthly reports on construction issues, contribute to ongoing value engineering activities and to any design development. Major sub-contractors are also required to make similar reports.

#### **OUALITY AND PERFORMANCE CONTROL MANAGEMENT**

A central feature of our internal quality management system for the provision of project management services is our Quality Plan.

The ISC Quality Plan is a standard document, part of our quality management system which is completed and operated uniquely for each project.

Our Quality Plan defines the services to be provided and the proposed method of executing those services.

The subsequent use of the Quality Plan provides the checks and balances at all stages, the essence of a sound quality system.

This system avoids prescribing the method of management for technical services, leaving professional staff free to exercise their judgement within a framework of sound controls.







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#### **SECTION 5.2** WHAT WE DO

#### **COMMUNICATION MANAGEMENT**

#### An informal exchange of information must be supported by a formal reporting system.

The purpose of these reports is to ensure that the Project Sponsor and Project Team are fully aware of the current project's status. The reporting system is tailored to meet the requirements of the client. The reports rely on input from the entire Project Team, Project Sponsor and user representatives as depicted in the next page. The formal monthly reports are considered separately from the end-stage reports mentioned earlier.





#### **RISK MANAGEMENT**

for each project. ISC's approach is based on the four key stages:



We have developed a methodology which goes through these stages systematically. Our methodology identifies, on a risk register, the risks that are critical to the outcome of the project and considers the impact of those critical risks on time, cost and quality. The first risk review workshop is undertaken during the start-up phase.

The register is updated at the monthly Project Team Meetings (a particularly complex

project may demand separate risk review workshops carried out at regular intervals and at key end-stages).

Strategies for minimising and managing these risks are identified and responsibilities allocated to named individuals in the Project Team.

Where feasible, we allocate specific contingency sums to risks and manage the expenditure of the contingency sums as risks become apparent or obsolete. The contingency sum can then be reallocated or omitted from the cost plan. This is part of the overall cost management strategy. We find that the Project Sponsor has an important role to play in the risk management process.

# It is essential to establish a risk management strategy which involves the project team

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#### **PROCUREMENT MANAGEMENT**

A procurement strategy is identified that best meets the needs of each project. The procurement strategy takes into account the following criteria:

WHAT WE DO

- Cost certainty
- Time certainty
- Flexibility
- Quality
- The degree of acceptable risk
- The size and complexity of the project



Forms of contract are selected to suit the chosen procurement route. We believe in reviewing the procurement strategy, and the forms of contract, throughout the pre-contract stages. We are prepared to change the approach if the project develops in ways which may invalidate the initial choice; it is not unusual, particularly with projects that are initiated as relatively minor works, for the scope of works to increase as the client's requirements become clearer.

#### STAKEHOLDER MANAGEMENT

Effectively managing stakeholders is a key component of successful project management which we never ignore. We are aware that intelligent stakeholder management can be used to gain support for a project and anticipate resistance, conflict, or competing objectives among the project's stakeholders.

## **PRE-CONTRACT MANAGEMENT**

#### **DESIGN MANAGEMENT**

ISC's design management plan can be used to coordinate design activities and includes:

- A design responsibility matrix.
- Schedules of drawings and other information produced by each discipline/specialist.



- Standard methods and procedures.
- Estimates of staff hours to be spent by designers on each element.
- Change control procedures.
- · Monitoring and reporting procedures.

#### **PERMISSION PLANNING**

This role is to lead and manage the process of Authority Approvals on behalf of the **Employer and Project Management.** 

ISC has significant experience in the permitting process and dealing with authorities. One example is Dubai, including OM, RTA, Civil Defence, DEWA and Civil Aviation. ISC is able to add significant value through facilitating the master plan and design approvals that prgress the development.

#### **ISC'S KEY RESPONSIBILITIES INCLUDE:**

- Developing a Statutory Authority and Approvals strategy.
- · Ensuring authority approval requirements are known and planned.
- Executing, monitoring and updating the Authority Approvals / Permits register and working with regulatory authorities to ensure that approvals are in place expediently.
- · Developing relationships and holding regular meetings to ensure that all necessary permits for delivery of construction works are in place.
- Supporting the Project Managers, Design Consultants and Contractors to resolve Authority Approval and permit interface issues as necessary.
- Together with the wider project team, developing systems to ensure that permits are current and valid for the construction activity undertaken.



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#### **CONTRACT MANAGEMENT**

In general terms, the lifecycle of a construction contract includes several phases:

- 1. Contract Creation
- 2. Contract Negotiation
- 3. Contract Execution/Signing
- 4. Contract Performance, Changes, Claims and Disputes
- 5. Contract Termination/Completion/ Expiration
- 6. Contract Archiving

To date, most construction contracts have been managed through these phases manually, and with little automation.

A typical construction contract is created digitally from an industry form or a previous project (a draft or precedent contract).

Draft or precedent contract documents are reviewed by other parties.

Final terms may be negotiated by exchanging multiple drafts in printed or electronic form.

The contract is signed as a paper document, filed and stored somewhere (frequently in multiple locations in hard and/or soft copy).

The contract is then managed (or not managed) against key performance milestones, budgets and estimates, progress schedule dates, and events. These measures may be electronic and automated but are usually paper-based and manual.

The management of changes in construction contracts is itself a major issue, as some changes can themselves involve complex negotiations.

As the complexity of construction contracts increases, problems and inefficiencies with this approach grow more acute. Construction industry enterprises can benefit from improved ways to prepare and manage construction contracts through each phase of their lifecycle.

Key business drivers for the automation of construction contract preparation and management include the need for cost savings, the need for improved description/recognition of events affecting the obligations of the parties during construction. Equally, there is the need for improved interoperability of construction contract information with other automated systems such as estimating, accounting and scheduling software - and the need for faster, more flexible processes in order to remain competitive.



#### POST-CONTRACT MANAGEMENT CONSTRUCTION SUPERVISION

ISC is committed to delivering high-quality construction supervision services. Our inhouse quality management system ensures that we meet technical, statutory, budget and programme requirements.

ISC has a dedicated construction division with specialised personnel and procedures to manage and supervise construction activities. Our teams work to reduce technical risks, prevent construction errors, control budgets and meet project deadlines. To maintain quality control, we regularly audit the site teams and ensure that our procedures are being followed. Our extensive experience spans every aspect of construction in sectors such as education, government, military, commercial and residential complexes.

#### **LOGISTIC MANAGEMENT**

The first step to accomplishing a task is planning. The purpose of planning is to attain maximum work in the least possible time while maximizing profits.

Planning may involve procuring the goods, storage facilities, and the delivery of products to an exact location. Other potential parameters are time, transportation, and costs.

A supply chain operative should be able to devise the flow chart for the whole operation. An experienced Manager will be able to prepare for unforeseen circumstances

which may be related to:

- The products
- Unavailability of the transportation
- Any internal issue in the organization





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#### WHAT WE DO

#### **COMMERCIAL MANAGEMENT**

Commercial management is the discipline that both informs and implements business strategy and policies.

It informs in the context of testing and aligning market requirement with organizational capability. Commercial Management ensures the effective and efficient operational procedures that establish and maintain those capabilities.

In going to market, any product or service must be supported by performance commitments that are relevant to its customers and consumers. Those commitments may be specific to the product or service (for example, price, delivery, maintenance and support) or specific to the organization (for example, brand values, ethical standards or regulatory compliance). Commercial management is the process through which performance commitments are gathered, assessed and reconciled (taking account of the needs and interests of all relevant stakeholders) and ensuring their affordability and sustainability.

#### **ESCALATION OF PROBLEMS - DISPUTE RESOLUTION**

- > More time to resolve
- > More people involved
- > Higher costs to resolve
- > Entrenched expectations



ISC reviews the facts from an independent position and suggests the best course of action to minimize or resolve the dispute. With the high costs of litigation, many of our clients opt for Alternative Dispute Resolution (ADR).

Many of ISC's consultants have hands-on ADR experience as arbitrators and mediators.

ISC's independent position allows us to review the facts and form opinions without bias. Often in disputes which develop over a period of years, the ability to reason is impaired.

Rationalization, reinforced by premature conclusions, prevents the involved parties from accurately determining responsibility.

## ALTERNATIVE DISPUTE RESOLUTION (ADR)

Arbitration, mediation and negotiations are common forms of dispute resolution techArbitration, mediation and negotiations are common forms of dispute resolution techniques used in the construction industry. However, contractors, attorneys and designers involved in ADR sometimes forget that ADR is not litigation.

Success in ADR requires different skills, preparation, and presentation than those used in courts of law.

ISC has hands-on ADR experience earned in thousands of disputes. ISC consultants regularly sit as arbitrators, mediators and/or negotiators giving us a unique perspective on the dispute resolution process. We know how to prepare, present, explain and resolve disputes better than anyone in the industry.

#### **CONSTRUCTION CLAIMS ANALYSIS**

Unbiased Construction Claims Analysis without bias can determine both strong and weak points. By emphasizing assets and neutralizing liabilities, possibilities for satisfactory resolutions are increased. Through careful analysis of the facts, ISC will determine what went wrong on your project allowing us to assess responsibility and determine if, and to what extent, a claim is worth pursuing.

#### **DAMAGE RESOLUTION**

ISC Construction Consultants will calculate damages incurred by either party to assert claims or refute opposing party claims. We will help you formulate a realistic approach to recouping damages, which can then be substantiated through a trial or in arbitration/-mediation.



#### **DELAY / DISRUPTION & INEFFICIENCIES**

ISC was one of the first consulting firms to use Critical Path Method (CPM) scheduling techniques to prove delay/disruption/inefficiencies on construction projects; our personnel excel at analyzing Loss Of Productivity (LOP) claims.

ISC examines the bid estimates and original as-planned conditions and compares them to job conditions. ISC recognizes that overtime, adverse weather, out of sequence work, trade stacking, contract changes, and increased labour crews are among the many factors that result in LOP. Ultimately, we provide a realistic approach to quantifying damages and assessing liability.

#### **DELAY ANALYSIS**

ISC is a leading authority in the innovative use of detailed construction schedule analysis to prove construction delays. ISC consultants will review or prepare 'as-planned'/ 'as-built' schedules to reflect the relevant delays. Once identified, ISC's consultants can pinpoint the cause of each delay and how much time is impacted by the delay. We will visually show if or how the delay changed the sequence of construction. ISC examines concurrent and nonconcurrent delays, as well as compensable and non-compensable delays, and applies CPM scheduling principles to the delay analysis.

Owners, architects, engineers, contractors, subcontractors and suppliers all need to know who caused the delay so a just and equitable decision will result from any construction dispute.

#### **DESIGN / WORKMANSHIP ISSUES**

ISC's consultants will identify the difference between improper workmanship and inferior design. Our consultants will perform a detailed investigation to study all of the factors involved in any design/workmanship issue, and arrive at an opinion consistent with the standards of the industry.

## **GLOBAL DEVELOPMENT MANAGEMENT** SUSTAINABILITY MANAGEMENT

As sustainability moves up the boardroom agenda, it is increasingly being integrated into corporate level strategic planning.

Modern management needs to balance increased regulation, protecting their brand and ensuring stable supply chains with seeking opportunities for enhanced performance and using the sustainability agenda for strategic advantage.

Developing and integrating a detailed sustainability vision into a long-term strategic plan, in a way that creates lasting value whilst also building public trust, is a challenge for all types of organisations.

#### ISC can help you to:

- Identify your issues and goals to determine where the pressures are likely to be and raise awareness of what needs to happen to make your business more sustainable.
- Prioritise issues from both a sustainability and commercial point of view and help growth.
- Map the short and long-term ambitions for your sustainability vision, assess the risks, and address any gaps in delivery.
- Support the alignment and integration of your sustainability vision into your overall corporate strategy.
- Develop and deliver a robust sustainability programme that includes prioritised targets.

What is becoming increasingly evident is that a sound sustainability strategy protects a company's reputation. A sound strategy drives innovation and employee engagement, it satisfies consumers and attracts and retains top talent, it demonstrates compliance and leads to market differentiation - all key ingredients for long-term growth and profitability.

you recognise and manage risk while improving efficiency, revenue potential and

initiatives, enablers, milestones, key performance indicators and measurable

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## SECTION 5.5 WHAT WE DO

#### HEALTH, SAFETY, SECURITY & ENVIRONMENT MANAGEMENT

The purpose of this Health & Safety (H&S). Security (S) and Environment (E) Policy (hereafter "HSSE Policy" or 'Policy") is to outline how ISC achieves its commitment to establishing and maintaining safe and secure working conditions. ISC respect the physical environment and follow the principles of sustainable development in accordance with its Values and Code of Ethics and Business Conduct.

This Policy is the foundation for all ISC's HSSE and sustainability management processes and systems. It is the governing corporate document that outlines ISC's expectations



for a common and consistent approach towards health and safety, security, and sustainable environmental management and HSSE performance.

The HSSE Policy brings together three fields of expertise, all of which come under the auspices of Integrated Management Systems (IMS). When put into practice, these distinct domains are interconnected, mutually reinforcing, and form the pillars on which all ISC's activities are conducted. Indeed, HSSE is the basis for our continued business success: enabling and ensuring that activities can be carried out without any incident and avoiding unanticipated costs or overruns.

Under the umbrella of the IMS corporate function, each domain (in collaboration with one another where appropriate) develops strategies, Standard Operating Procedures (SOPs), internal controls, objectives, targets and performance indicators, along with technical systems and tools to help manage HSSE risks and improve HSSE performance. ISC is committed to the highest standards in the management of HSSE and Sustainability.

## **SECTION 6** ISC'S APPROACH





INTEGRATED SOLUTIONS CONSULTANCY

#### SUPPORT SERVICES

ISC was formed to provide a higher level of support to clients and to support the growing commercial need for managing smarter buildings. The division retains experienced professionals in building design, construction and commissioning to provide project-oriented services with an emphasis on energy, new technologies and building automation controls.

Technology is changing how facilities are managed; connected buildings provide the ability for remote monitoring and directional management. Smart Building systems have the ability to cross-communicate, share data and make intelligent decisions to optimize performance. These data-rich environments pose great opportunities, but with new technology comes new challenges. Our professionals provide the expertise to ensure your buildings are properly integrated, communicating and functioning to their optimum level reducing your cost of operations.

#### **CAPABILITIES**

- Consulting, planning and design to ensure the best technology choices for your facility assets and business structure.
- Energy management solutions tailored to your unique needs.
- Building Automation System Commissioning and Re-Tuning to ensure the system's sequence of operations are performing per the design engineer's intent.
- Remote monitoring and directional management of connected facilities.
- Building System Integrations for Smart Buildings to reduce operational expenses.
- Secure network environments to support building technology growth.

#### **OUR APPROACH IN GENERAL**

The primary resource managed in any project is the people. An essential element of the management style used by ISC is forming good working relationships and building a strong team spirit.

An important aspect of this is the creation of a project culture, where each team member can utilise their skills and abilities whilst contributing to the projects' common goals.

Our style is to be a hands-on proactive manager of all those associated with the project and all the activities and situations that occur during a project's life. Our approach to the management of the activities is based in principle on the stages outlined below.

#### **PROJECT BRIEF**

A project can be described in terms of its functional time, cost and quality objectives; the success of a project will be judged against how well it meets these objectives.

Our role is to manage a project to achieve these objectives and to do so, we need a basis from which to monitor and control. Our first step is to create a project brief which accurately describes the objectives.

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#### **ISC's APPROACH**

The diagram on the next page describes this process.



By necessity, a project brief should be a strategic document containing concise information. The functional objectives are described in terms of user requirements. The time objectives are described in terms of key milestone dates. The cost objectives are described in terms of a total budget and cash flow requirements. The quality objectives are described in terms of standards to be achieved.

#### **KEY CONTROL DOCUMENTS**

The project brief is not a sufficiently detailed document from which a project can be monitored and controlled. We, therefore, need key control documents which interpret and describe in further detail the objectives set out in the project brief. These are the design brief, the master programmes, the cost plan and the specification.



The user requirements are described in further detail to form the basis of the brief for the design team. The milestones are described on a master programme and detailed short term programmes. The budget and cash flow requirements are broken down into further detail in a strategic cost plan. The standards to be achieved are reflected in the specification.





#### **ISC's APPROACH**

#### **KEY TASKS**

ISC's key tasks are therefore to produce or manage the production of these key documents at the various stages in the project process as shown below.



#### **KEY MANAGEMENT PROCESSES**

The documents described relate to the specific requirements of the project and allow the instigation of the following key management processes by ISC: programme control, change control, cost control and quality control.

However, in isolation, these processes are not enough to ensure the success of a project. There are two other essential processes: risk management and value management.

To manage risk there again needs to be a key control document known as a Risk Register. Value management, however, is an all-encompassing process that requires the communication of a philosophy to the project team. This may include initial analysis of the client's requirements against the project brief, analysis of the key control documents against the project brief and, in turn, analysis of the project design against the key control documents.

The diagram below reconciles the management processes with the project process.



#### ISC'S APPROACH

#### **OTHER TASKS**

What we have described above are the key tasks and processes required to set up and manage a project. There are, however, other tasks which must be undertaken to enable the procurement of design, construction, fitting out and occupation. These may include appointing consultants and contractors, recommending a procurement route and obtaining statutory and other consents.



#### THE PROJECT MANAGEMENT PLAN

The carrying out of the management tasks and the instigation of the management processes by ISC (together with the procurement of the design, construction, fitting out and the final occupation) must be well planned and communicated in a form that all parties can readily understand and absorb.

This takes the form of a Project Management Plan as depicted below.





# **SECTION 7** ISC'S CLIENTS

#### **ISC selected list of Clients includes:**













INTEGRATED SOLUTIONS CONSULTANCY

## Announcing









#### Partnership to modernize construction Industry in Egypt

Integrated Solutions Consultancy (ISC), a leading PMC in Egypt and Teknobuilt have joined hands and have come together to revolutionize the digital construction world and move towards a more sustainable and smart future. Together, ISC and Teknobuilt are looking towards the upcoming opportunities offered in digital construction and the scope of transformation that can be achieved through end to end program management and construction workflow automation.

With local intelligence and global practices going hand in hand, the partnership will open doors for 360-degree project management which will cover all phases of project delivery from design, integrated procurement, on-site construction, quality to health and safety processes.

Especially in COVID times, digital transformation of the construction industry has become increasingly essential to solve problems facing the sector. This is a challenging ongoing process with great potential to increase productivity and efficiency. It is most beneficial when it involves the integration of digital technology with best practises and allows people-based collaboration.

Teknobuilt, dual headquartered in Canada and UK, is a pioneer in the world of digital construction and bringing the latest technological advancements GIS and Machine Learning based automation to the industry. Being an innovative construction technology company, Teknobult accelerates platforms to aid all aspects of program management and execution of workflow automation, collaborative manual tasks systems. ISC dual headquartered in Egypt and UK, provides consultancy services in management of design, procurement, and construction delivery. ISC has project experience across a wide range of market sectors, including building, infrastructure, and engineering projects for both public and private sector clients. Their ability to handle the whole spectrum of construction projects is well proven.

With skills, experience, and knowledge to back up the volume of work, ISC follows a proactive and flexible approach to meet the goals and objectives of construction projects.

Together, ISC and Teknobuilt will be able to raise the bar in Digital Construction and Project Management. Using Innovative technology and advanced platforms for digital program management, we would be giving construction workflow automation and Al driven project delivery with a mission to help the world build better – safely, smartly, and sustainably.



INTEGRATED SOLUTIONS CONSULTANCY

# **SECTION 9** ISC'S COMPLETED PROJECTS

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PROJECT TITLE	4 RESIDENTIAL BUILDINGS
VALUE	AED 476.5 Million
CLIENT	Azizi Developments
LOCATION	Meydan, Dubai, UAE











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#### - ISC's COMPLETED PROJECTS

PROJECT TITLE	NEURO SPINAL HOSPITAL AND RADIO SURGERY CENTER	
VALUE	AED 112.7 Million	
CLIENT	Dr. Abdul Karim Msaddi	
LOCATION	DuBiotech, Dubai, UAE	





PROJECT TITLE	AZIZI HEADQUARTERS
VALUE	AED 49.5 Million
CLIENT	Azizi Developments
LOCATION	Nad Al Sheba, Dubai, UAE







# **SECTION 10** ISC'S ONGOING PROJECTS

PROJECT TITLE	Construction & Renovation of Police Union Sports Club
VALUE	EGP 213,000,000
CLIENT	Green Modeling Contracting - GMC
LOCATION	Abbasia, Cairo, Egypt
EXPECTED FINISH	February 2021

PROJECT TITLE	Extension of Police Equestrian
VALUE	EGP 69,000,000
CLIENT	Green Modeling Contracting
LOCATION	AlSekka AlBeeda, Cairo, Eg
EXPECTED FINISH	December 2020

PROJECT TITLE	Construction of Khanka Police
VALUE	EGP 550,000,000
CLIENT	Green Modeling Contracting
LOCATION	Khanka, Dakahlia, Egypt
EXPECTED FINISH	October 2021

n Force HQ

g - GMC

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e Training Facility

g - GMC



# SECTION 10 ISC'S ONGOING PROJECTS

PROJECT TITLE	Construction of Wadi Al-Natron Police Hospital, Mosque and Visitors Building
VALUE	EGP 1,230,000,000
CLIENT	Green Modeling Contracting - GMC
LOCATION	Wadi Al-Natroun, Egypt
EXPECTED FINISH	January 2022

PROJECT TITLE	Construction of Abbasia Mechanical Multi-story Garage
VALUE	EGP 760,000,000
CLIENT	Green Modeling Contracting - GMC
LOCATION	Abbasia, Cairo, Egypt
EXPECTED FINISH	August 2021

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# **SECTION 11** COMPLETED PROJECTS BY ISC'S TEAM



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## SECTION 11 COMPLETED PROJECTS BY ISC'S TEAM

PROJECT TITLE	"ONSHORE WORKS OF 30 WATER INJECTION AND 16 QATIF CRUDE PIPELINE PROJECT"
VALUE	SAR 120 Million
CLIENT	Saudi Aramco
LOCATION	Jubail, Saudi Arabia













PROJECT TITLE	BURIED PIPELINE DAY LIGHTI
VALUE	SAR 56 Million
CLIENT	Saudi Aramco
LOCATION	Abqaiq Plant, Saudi Arabia







#### ING IN ABQAIQ PLANT







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#### **SECTION 11 COMPLETED PROJECTS BY ISC's TEAM**

PROJECT TITLE	SAFANIYA GOSP 4
VALUE	SAR 45 Million
CLIENT	Saudi Aramco
LOCATION	Safaniya, Saudi Arabia













PROJECT TITLE	REFINING PLANT
VALUE	SAR 3 Billion
CLIENT	Saudi Aramco/Total
LOCATION	Jubail, Saudi Arabia









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# **SECTION 12 ISC'S POLICY STATEMENT**

#### **OUR SUSTAINABILITY POLICY**

ISC is committed to promoting sustainability. Concern for the environment and promoting a broader sustainability agenda are integral to ISC's professional activities and the management of the organization.

We aim to follow and to promote good sustainability practice, to improve our financial performance, to reduce the environmental impacts of all our activities, enable our people to achieve their potential and to help our clients, partners and suppliers to do the same.

#### **PRINCIPLES**

Our Sustainability Policy is based upon the following principles:

- To comply with, and exceed where practicable, all applicable legislation, regulations and codes of practice.
- To integrate sustainability considerations into all our business decisions.
- To ensure that all staff are fully aware of our Sustainability Policy and are committed to implementing and improving it.
- To ensure we remain financially stable and assist our suppliers to do so.
- To minimize the impact on sustainability of all office and transportation activities.
- To ensure our people, both staff and suppliers, can fully develop their potential.
- To ensure the effect of our business on our neighbours and the public is not only minimized but enhances them also.
- To make clients and suppliers aware of our Sustainability Policy and encourage them to adopt sound sustainable management practices.





## **ISC's POLICY STATEMENT**

#### WORKING PRACTICES AND ADVICE TO CLIENTS

We believe that everyone involved with our business is part of ISC's Sustainable Policy. We will encourage our staff to adopt similar principles in their private lives. We will ensure that all our staff consider sustainability issues in their advice to clients. We will include a copy of our Sustainability Policy in all our proposals to clients.

#### **ENVIRONMENTAL POLICY**

It is ISC policy to conduct our business in an environmentally responsible manner.

#### In implementing this policy, we:

- Take environmental impact into account during our management of projects.
- · Work with designers, contractors and suppliers to ensure environmental awareness and responsibility.

Our policy extends to our own operations which we recognize have environmental consequences. In particular, we seek to reduce our consumption of paper and energy.

We encourage re-use and recycling of materials and discourage the use of environmentally unfriendly products. We periodically monitor our performance in this respect.

#### **QUALITY POLICY**

-ISC provides Project Management services associated with the construction and civil engineering industries.

It is the policy of the company to ensure that management and staff comply and utilize the established Quality Management System and that this system is regularly reviewed for its effectiveness. A process of continuous improvement will be driven by all employees through their commitment to quality.

ISC management will ensure that the provision of resources and the processes to manage the company's business objectives will be sufficient at all times. ISC's business objectives will be communicated through all levels of the organization. A review of this Policy Statement will be undertaken annually to measure advancement, improvement and effectiveness.

The objective of ISC is to provide a project management service which achieves our clients' project objectives. We hope to exceed our clients' expectations by implementing professional skills that manage effectively and efficiently.

The parameters for success will emerge from a cohesive examination of project plans, internal audits and project close-out documents, together with customer liaison data.

ISC continued vision is to be recognized as a principal provider within the sphere of project management and cost consultancy.



INTEGRATED SOLUTIONS CONSULTANCY

## **ISC's POLICY STATEMENT**

#### **HEALTH & SAFETY POLICY**

ISC regards the promotion of health, safety and welfare measures as an essential objective for management and employees at all levels.

We intend that our services are carried out in accordance with all relevant statutory provisions. All reasonably practicable measures will be taken to minimize risk to our employees or anyone else who may be affected by our operations.

All our employees and contractors are required to co-operate with us in carrying out this policy and must ensure that, so far as is reasonably practicable, their work is carried out with the minimum risk to themselves or others.

Adequate financial and technical resources will be made available to enable this policy to be executed.

Information and training on health and safety will be provided to all staff to enable them to perform their work safely and without risk to health. Safe and healthy working conditions will be provided and maintained in accordance with statutory requirements. Where necessary, suitable safety devices and protective equipment will be provided together with instruction on, and supervision of, their use.

We will maintain a constant and continuing interest in health and safety matters applicable to our activities, in particular, by consulting and involving employees.

Employees must be aware that under the Health and Safety at Work relevant Acts, they have a statutory duty to take reasonable care for the health, safety and welfare of themselves and of other persons who may be affected by their acts or omissions at work.

This policy applies to all the company's locations and all off-site work involving both our employees and contractors. The Principles have ultimate responsibility for health and safety within the company. The Office Manager is responsible for coordinating, implementing and reviewing our internal policy for health and safety.

#### SUSTAINABILITY POLICY

Why it is important to us and our aims.

We accept the following definitions of 'Caring for the Earth' for sustainable development:

"Development that meets the needs of the present without compromising the ability of future generations to meet their own needs.' and 'Improving the quality of life while living within the earth's carrying capacities".

However, we believe that to be sustainable a business must ensure it covers all the aspects of sustainability and sustainable development not just about the environment or 'green' issues.

As a result, ISC has adopted the following definition:

"A systematic set of objectives, and strategies to improve the financial performance of the organization, while at the same time reducing its impact on the environment and developing a positive social effect".

This commitment means we deliver our professional activities and manage our business in a way that ensures we are financially sound while helping our people to realize their potential, improving their quality of life and doing our bit to protect and enhance the earth's natural capital. This aspiration is delivered through our sustainability objectives, targets and indicators.

We are committed to continually improving the integration of sustainability into our working environment and business processes.

ISC aims to play an active role in contributing to achieving sustainability wherever we have influence. We are equally committed to accountability and transparency in our sustainability performance.

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## **SECTION 13** TRAININGS AND COURSES

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Urged by our strong belief in continuous learning and human development, ISC provides a wide range of training courses to build up your skills and enrich your knowledge to the highest industry standards. Our course materials are tailored by Subject Matter Experts (SMEs) to ensure adequate practice and smooth delivery of information.

ISC's training courses are suitable to the full spectrum of career levels, starting from Entry-level Juniors to the Senior practitioners.

We guarantee a fun learning experience filled with theoretical knowledge, industry best practices and necessary tools of application.

#### **Training Courses**

- Fundamental Project Management (FPM)
- Project Management Professional Preparation Course (PMP)
- Risk Management Professional Preparation Course (RMP)
- Planning & Scheduling Professional Preparation Course (PSP/PMI-SP)
- Certified Cost Professional Preparation Course (CCP)
- Earned Value Professional Preparation Course (EVP)
- PRINCE2 Fundamental and Practitioner
- Construction Claims Specialist
- Construction Delay Analyst
- Introduction to the Last Planner® System
- Introduction to Lean Project Delivery
- BIM implementation
- Construction Operation Building Information Exchange (COBie)

#### Software Tools

- Autodesk Revit (Architectural, Structure and MEP)
- Autodesk Navisworks
- Primavera P6 Professional Fundamentals
- Primavera P6 Professional Advanced

