

Engineering, Project Management & Land Surveying





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Aspirations Trustworthiness Commitment Organization Morals

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ATCOM Engineering, Projects Management & Land Surveying Consulting was established to serve the Dammam Metropolitan area, Eastern Province and the Kingdom of Saudi Arabia. The company is looking forward to expand regionally and internationally. ATCOM will be operating under the guidance of professional engineers and technicians with a cumulative work experience of 120 years. Since its establishment, ATCOM has made a number of MOUs with several regional and international companies to join forces for our next projects. We welcome international companies interested in expanding their business into KSA and GCC by joining ATCOM in a business relationship (JV, MoU, Partnership) for future projects

<u>ATCOM Plans</u> to achieve a solid reputation for providing thorough and reliable service to municipalities, governmental agencies, and private industries located throughout the Kingdom of Saudi Arabia and GCC countries.

<u>ATCOM Staff</u> represent three major divisions: the consulting engineering division, the project management division, and land surveying division. These fields consist of registered professional engineers in & out KSA, project management experts, land surveyors, designers, draftsmen, and supporting field and office personnel. We match our highly qualified personnel with the unique requirements of each assignment and consistently achieve success by allowing them to work under the direct leadership of ATCOM professional management and expert staff.

<u>ATCOM Ensures</u> our firm is qualified to effectively handle a wide variety of projects with <u>ATCOM</u> high managing staff are directly involved in every and each project.

<u>ATCOM Believes</u> every person at <u>ATCOM</u> will to work hard to finish the client project as defined by the scheduled time, project budget and the required quality. Our professional staff will pay attention to detail which will produce successful projects and satisfied clients. Our motivation and high degree of coordination, communication, and client contact, keeps <u>our clients repeatedly coming back again and again</u>

<u>www.Atcomeng.com</u>



Mission & Vision

Our Mission:

ATCOM aspires to be the leading provider of Engineering and Project Management services. ATCOM aims to use practical engineering judgment concurrently with professional skills when evaluating our work ATCOM looks to continually improve our standard of service through clear and responsive communication. ATCOM commits to providing up-to-date standards in terms of reliability, safety, sustainability, and profitability. ATCOM promises to provide our clients with innovative solutions with emphasis on quality, costs, and timeliness. ATCOM pledges to be client dedicated, and hold the highest professional standards ATCOM is determined to provide engineering and technical solutions that are responsive to our clients' needs.

Our Vision:

ATCOM aspires to secure a leading local and regional market position, and to be recognized as the frontrunner in the Engineering & Projects Managements arena. ATCOM aims to be recognized locally and abroad through delivering outstanding engineering consultancy services focusing on grander merit, as well as being flexible, cost effective, and providing integrated engineering solutions in compliance with the latest local and international codes. We will exceed our client's' expectations, and this will become a reality through strengthening our relationship with the local, regional, and global corporations, institutions and public authorities



Values & Goals

Values:

ATCOM Values Towered Our Clients:

ATCOM To demonstrates openness and honesty in business relationships.

ATCOM To respects and honors matters of confidentiality.

ATCOM To meet deadlines and work effectively.

ATCOM To make decisions that contribute to client satisfaction and performance of the firm.

ATCOM To deliver what we promise to our clients, and promises only what can be delivered.

ATCOM To Responds with urgency to clients' feedback, including both complaints and suggestions.

ATCOM To aspire provide a prompt, efficient and reliable service that keeps our clients coming back

ATCOM Values Towered Our People & The Company:

ATCOM To Provides opportunities for employees to develop new skills, expertise & perspective.

ATCOM To Expects people to perform their job and be accountable.

ATCOM To Shares information freely in all directions, both good news and bad news.

ATCOM_To Treat everyone with dignity and courtesy and have mutual respect among each others

ATCOM To Defines the boundaries of accountability and freedom and remains flexible for changing business needs

ATCOM Values Towered Our Community:

ATCOM To Focuses on problem prevention rather than problem resolution.

ATCOM To Provide governments agencies with innovative tools to develop a significant community services. **ATCOM** To Ensure the longevity of our community by providing premium quality service in a safe and friendly work environment.

<u>Our Goals:</u>

ATCOM To have an in depth-understanding of current environmental regulations. ATCOM To represent the small municipalities, and communities who has no full capacity as their City Engineer. ATCOM To established positive working relationships with privet sector and government agencies ATCOM To have a quality and flexibility to partners with specialized firms as needed regionally, and internationally. ATCOM To build positive, long-term professional relationships with our customers, JV partners, and contractors, colleagues that are built on respect, trust, and collaboration



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ATCOM provides a full range of services in the Engineering, Project Management & Land Surveying to public and private clients . Our professional engineers, technicians and support staff have the expertise needed to provide comprehensive services with cost effective solutions to meet our client's expectations. In addition to our comprehensive engineering services, our survey and mapping services can be contacted for stand-alone projects and in support of larger engineering assignments. Below, are our basic services in this domain:

Engineering Division Services

- ✤ Studies & Designs (SD)
- Environment (ENV)
- ✤ Transportation
- ✤ Geotechnical

Project Management Division

- Project Management Office (PMO)
- Construction Management (CM)
- Construction Supervision (CS)
- Quality Management (QM)

Surveying Division Services

- Sit Surveyors
- Technician



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Engineering Division Services

ATCOM Engineering Services provide different services in the area of Studies & Design, Environment, Transportation, and Geotechnical. Below list of Engineering Services Division under each departments of the domain. We are glad to have the opportunity to serve you on your next development project.

✤ Studies & Designs

- □ Planning & Studies
- □ Architectural Design
- □ Civil/Structural Design
- □ Mechanical Design
- Electrical Design

Environment

- □ Waste Water
- □ Storm Water
- □ Potable Water
- □ Waste Management
- ✤ Transportation
 - □ Streets & Highway
 - □ Traffic Analysis
- ✤ Geotechnical
 - $\hfill\square$ Geotechnical Engineering



✤ Studies & Designs

The Studies and Designs department specializes and contains the sections of Planning & Studies, Architectural Design, Civil/Structural Design, Mechanical, and Electrical. These services include more specifically:

□ Planning & Studies

ATCOM Planning and Studies section specializes in urban planning developments, mixed-use development, Study and design of residential, commercial, industrial site development, municipal street and infrastructure. In our urban planning design we aim to have real connection and harmonic space between the people and the places surrounding and living in. Also our planning, studies and designs section provide and layout the design of all utility, streets pavement layout, and drainage for subdivision development site. We also have the experience to serve the local and regional developers in their future development. These services included specifically but not limited

- Urban planning & design, Master planning,
- Urban spaces Public Recreation, Parking, Resorts, Coastal, Parks,

Architectural Design

ATCOM Architecture section to provide the highest quality architectural services to a broad range of clients in both the public and private sectors throughout the Eastern Region. As dedicated professionals to maintain a high-level of project involvement, from start to finish, and thereby ensure delivery of each project's goals and objectives. Our team looking forward to be the most influential architecture and a leaders in the region. We are always supporting our professionals team of architectures, landscape architectures, planning to deliver the most effective solution, serving and Achieve the project ultimate goals. Our professional architects and engineers team is focusing and committed to address the clients' needs, build the best of the best in up coming projects, *our areas of expertise include the following:*

Engineering

- Multifamily housing, Single Family housing, Mixed-use
- Affordable housing, Student housing, Senior living,
- Commercial office, Retail, Education , Financial, Building , High
- Public building, Libraries, University buildings, Museums,
- Theaters, Restaurants, Residential, Corporate office, Healthcare,
- Office Building, Privet Recreation, Civic-Government, Education,_,
- Rise Building, Hospitality, House of worship, Retail, Healthcare,
- Research Institute, Sports, Landscape, Senior community home
- Parking Garages, Building Renovation, Historic Preservation

Civil/Structural Design

The Civil/Structural Section provides structural engineering for post frame buildings, foundation Design, steel and concrete analysis for use in structural applications. Also provides Structural Analysis for foundation design, post frame design, member analysis & sizing, and Structural modifications

Mechanical Design

The Mechanical design section main function is to support other sections and departments internally with the projects in hands. The mechanical section main support goes to Architecture department, civil/structure section, and other division if needed

□ <u>Electrical Design</u>

The Electrical design section main function is similar to the Mechanical section supporting other sections, departments and other division internally with the projects in hands, big support can go to Architecture department, Civil/Structure section if needed.

Environment

The Environment department specializes in environmental and water resource engineering, these services dealing more specifically with utilities such as potable water, sanitary sewer and storm-sewer. Our design professionals staff are uniquely qualified to address projects that require an effective, multi-discipline team approach, and also our environmental engineers, and technicians, have the specialized expertise needed for perform comprehensive environmental engineering projects and compliance services in accordance with local and international standards, guidelines and regulations.

□ <u>Waste-water</u>

The Wastewater section staff has the deep experience to work and execute the design of Wastewater Collection and Treatment systems such as the design of collection System Piping, treatment Analysis & design, and last but not less the Inflow/Infiltration Study & Flow Measurement for privet and public sectors

□ <u>Storm-water</u>

Our Storm-water management services include the design, storm water containment, Treatment Sampling and Pollution Prevention- Retention & Treatment Pond Design, Erosion Control, Water Quality Sampling and hydrologic analysis and hydrologic , Hydraulic & Hydrologic Engineering & Storm Water Management, surface profile and discharge determination for various return periods, designs for capacity, estimates of cost, bidding, Hydrological and Hydraulic Engineering design and Modeling for Drainage Projects including but not limited to hydraulic analysis,

□ <u>Potable-water</u>

The Potable Water section staff has the capability and the experience to work and execute the design of water supply distribution network and treatment systems such as the design of watermain distribution piping net work, fire protection, water supply & pressure analysis, filtration & purification for privet and public sectors

Waste Management

The Waste Management section staff has the capability and the experience to provide the Solid Waste Management, and Hazardous Waste Management for privet and public sectors

□ Environment, Safety & Health (ESH)

ATCOM Environmental Safety & Health section is dedicated to providing Environmental, Safety & Health (ESH) services to industrial, commercial and manufactures, organizations, companies, and corporations to assess ESH risk, occupational exposures, workplace injuries and liabilities through conducting comprehensive assessments and offering solutions to achieve business goals along with assuring compliance with the regulations, policy and procedures of the environmental and health Agencies. *Some of the services we offer under our (ESH) include*.

- Indoor Air Quality Evaluations, Air Permitting
- Industrial Hygiene Chemical Exposure Monitoring
- Noise Exposure Assessments
- Non-Ionizing Radiation Exposure
- Asbestos Inspections
- Industrial Hygiene Services
- OSHA Audits, Compliance Assistance, regulations, manuals
- OSHA Program Development and Training
- Injury Prevention Program & Policy Development
- On-Site Safety Monitoring for Construction Projects
- Slip-Resistance Testing / Evaluations
- Sick Building Syndrome and related illness (e.g. Legionella)
- Epidemiological Evaluations of Outbreaks / Illness Clusters
- Chemical Hygiene Programs and Chemical Specific Compliance
- Safety Management Systems



The Transportation department specializes in streets & highway engineering design and traffic analysis. These services include performing: new roadway design, rehabilitation services, and parking lot design for government agencies such Municipals and Amanats. Our design professionals staff are qualified to address projects that require effective performance. Our professional staff have already performed numerous municipal designs. On the other hand, our environmental engineers and technicians have the specialized expertise needed for perform comprehensive environmental engineering projects and compliance services in accordance with local and international standards, guidelines & regulations.

□ <u>Streets & Highway</u>

Our staff have been involved with the roadway & utility design and construction management of many highway and roadway improvements throughout the region. Their involvement included providing study & design and construction management for municipal projects improvement, providing feasibility studies, providing cost analysis, providing street & utility design, performing reduction and street reconstruction, performing road utility and street realignment, performing street & utility improvements, and performing street & utility

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Our Traffic team specializing in traffic engineering, transport planning and operations. We offer consultancy services for traffic, transport and pedestrian aspects. Working closely with governments, operators, financial institutions, developers, architects, planners, engineers and contractors, in both public and private sectors, our professional team is experienced in providing consultancy services from initial concept stages, through to planning, feasibility, design and construction. Types of services we offered include, but not limited to:

Engineering



□ <u>Traffic Analysis</u>

- Master Planning and Land-Use Development
- Transport Planning
- Traffic and Highway Engineering
- Traffic Studies for Property Development
- Rail Planning and Station Design
- Public Transport
- Aviation and Airport
- Pedestrian and People Movement
- Transport Investment
- Transport Modeling and Simulation
- Vertical Transportation
- Car Park Design
- Traffic Management and Control Business,
- consultancy services in transportation planning,
- land use planning,
- traffic engineering and
- management environmental engineering,

✤ Geotechnical

ATCOM Geotechnical section offers a comprehensive range of geotechnical engineering in order to support a wide range of clients from private developers, builders, architects to professional engineering firms, contractors and mining companies throughout the different local, governmental, industrial, and commercial organizations. Our staff provides our clients with cost-effective and practical solutions for their critical problems that they may face during the projects. Our staff has the combined education and professional experience as well as technical training, equipment, and facilities to ensure that we meet and surpass our client's expectation. Our Geotechnical staff are willing to serve projects and make investigations for: hospitals, hotels, schools, shopping centers, communication towers, bridges and highways, and parks and recreation facilities. *Our Geotechnical sector offers many services including but not limited to:*.

Geotechnical Engineering

- Site dewatering
- Pipe Lines Grading
- Foundation Design
- Bridge foundations
- Settlement Analysis
- Dam and weir design
- Ground Improvement
- Protective Construction
- Underground structures
- Ground Motion Analysis
- Traffic and Pavement Studies
- Development of Feasibility Studies
- Pile Analysis and Drivability Studies
- Flexible and Rigid Pavement Evaluations and Design
- Earth and Earth/Rock Dam and Embankment Design
- Groundwater studies and Seepage Analysis and Design
- Pavement designs for streets, highways, ports, airports
- Landslide/Slope stability analyses and slope stabilization
- Geotechnical Engineering Site investigations and Analysis
- Pavement, sub-grade and materials investigations & Evaluation
- Shallow and Deep Foundation Evaluations and Recommendations



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Project Management Services

ATCOM provides Project Management services in the domain of Project Management Office (PMO), Construction Management (CM), Construction Supervision (CS), and Quality Management (QM). Below are our basic services in this domain:

- Project Management Office (PMO)
 - □ Project Management Office
 - □ Project Management Training (PMT)

Construction Management (CM)

- □ Construction Management
- □ Facility Management (FM)

Construction Supervision (CS)

- □ Building Supervision
- □ Roads Supervision
- □ Water/Waste/Storm Supervision
- □ Bridges/Tunnels Supervision
- □ Electrical Supervision

Quality Management (QM)

- □ Quality Assurance/Quality Control
- Cost Control



Project Management Office (PMO)

ATCOM Project Management Office (PMO) can serve your business by Deployment, Operation, or Development & Improvement of your existing PMO to meet a set of evolving challenges, functions, and services. We will work with you to identify, prioritize, and establish a set of fundamental PMO functions and services to fit your business culture. The solution that we can provide are as follows :

Project Management Office (PMO)

- Establishment and Set-up of PMO (Different types & different industries)
- OPM assessment & maturity models
- EPM set-up (Business, Technical design & deployment)
- Complete Strategy implementation)

□ Project Management Training (PMT)

ATCOM offers basic training courses in Project Management starting from introduction to a project management to project close out. Also our professional team conducts workshop training that apply and connect the theoretical knowledge gained to a practical application. We also provide Advanced Project Management Training and it will cover all the modules based on the latest Project Management Body of Knowledge (PMBOK) issued by the Project Management Institute (PMI).

- Project Management Basic Courses
- Project Management Workshop
- Advanced Project Management
- Project, Program & Portfolio management training (customized & official certificate

<u>Project</u> <u>Management</u>

Construction Management (CM)

ATCOM Construction Management (CM) department provides full program development. Our team provides Construction services for a broad range of engineering projects involving highway construction, bridge construction, building construction, commercial site development, municipal water & sanitary sewer system, and road construction. Our experienced construction staff enhances the overall performance of contracting and engineering firms by offering complete control over the manpower, appropriating the flow of records, managing costs, minimizing risks, providing organized and automated reporting. It helps the company achieve success through maximizing revenues, reducing costs and managing the changing demands of clients. Also, our CM department team offers Facility Management (FM) service. Our team develops construction management and facilities management based on each specific project requirements. *The following are our available service areas*.

Construction Management (CM)

- Construction Consulting & Management
- Construction Planning & Scheduling
- Cost Estimating & Evaluations
- Contract Administration
- Change Order Management, & Analysis
- Constructability Review
- Staff Augmentation
- Dispute Avoidance & Resolution
- Productivity Analysis
- Value Engineering
- Earned Value Management
- Construction & Project Training

□ Facility Management (FM)

- Landscaping Services
- Contract Management Consulting
- Facilities Management Consulting
- Civil Engineering, Operations & Maintenance
- Health, Safety & Quality Services
- Integrated Facilities Management
- Facility Condition Assessments
- Facility Planning

<u>Project</u> <u>Management</u>



Construction Supervision (CS)

ATCOM Construction Supervision Department provides highly qualified, accurate, and time efficient supervision service to support and enhance the project execution by employing and enhancing: the best available resources, our construction managers, resident engineers, supervising engineers, and inspectors in order to utilize their local knowledge. Our independent construction supervision can help guide your project to completion on time, on budget and in compliance with the relevant quality standards Helping you to complete your project on time and on budget, while meeting all relevant regulations and quality standards. We provide support for construction projects for public institutions, private investors, real estate owners, and insurance and construction companies across the country. <u>Our services are listed below</u>:

- □ Roads Supervision
- □ Water/Waste/Storm Supervision
- Building Supervision
- □ Bridges/Tunnels Supervision
- Electrical Supervision
 - Services project daily inspection
 - Supervision Design review Shop drawing
 - Review Material submittal
 - Approval project specification conformity Safety compliance.
 - Construction supervision
 - Inspection and commissioning for all types of construction.
 - The construction of buildings, infrastructure, industrial plants, and power facilities.
 - Independent third-party verification and certification
 - Site supervision in accordance with technical and construction legal requirements
 - Continuous supervision of construction works (quality, schedule and budget)
 - As-built documentation
 - Preparation of "As-Built" Records.

<u>Project</u> <u>Management</u>



✤ Quality Management (QM)

ATCOM Quality Management team (QM) is committed to integrating quality into all design efforts and ensuring that construction is performed according to the approved drawings and specifications. Our quality control procedures and Quality Assurance provide approved methodology and reliability for out clients. QA sets prescribed standards of performance for design, construction, sampling, and analysis; as well as the site-specific project plans required by regulatory agencies. Quality assurance and quality control services from ATCOM ensure your materials, products, machinery, equipment are in compliance with all the specified requirements. The quality of all equipment, materials, products, and structures must meet stringent regulations and standards. Our quality assurance and quality control services help you to ensure compliance with all contractual specifications, mandatory regulations, and quality standards.

Quality Assurance Personnel: The role of the quality assurance personnel is to ensure that the system is functioning properly. The primary function of quality assurance is to obtain completed construction that meets all contract requirements.

Spire performs construction and engineering inspections. Our construction management consultants monitor and inspect the construction progress as it develops throughout the duration of the project. <u>We provide the following professional inspection services:</u>

- Cost Estimation
- Material Testing
- Submittal Review
- Project Meetings
- Daily Site Inspection
- Construction Defects
- Constructability Reviews
- Sampling and analytical procedures
- On-site Quality Assurance and Control
- Data reduction, validation and reporting
- Final and Substantial Completion Inspection
- Review of all drawings, plans and specifications
- Equipment calibration procedures and acceptance criteria
- Project Documentation (Documentation control/procedures)
- Establishment of minimum requirements for staff credentials
- Technical review of all project reports, recommendations and related documents
- Liaison with customer QA organizations, Proper allocation of staff and resources
- Quality review audit & oversight functions for all aspects, field investigations, laboratory procedures



Our Surveying Services

ATCOM Surveying Division is a survey and development division specializing in both land surveying and construction surveying projects. We offer comprehensive surveying and mapping services for a broad range of applications and

purposes through integrated approach, analysis and management. Our team has the capability and capacity to provide the type and quality of service required to satisfy the most strict, client specified standards for survey operations and mapping preparation. We also have access to the latest terrain data through our involvement with government agencies, and we can access parcel mapping where available. The division provides surveying services for all aspects of development, engineering and planning and are looking forward to developing a rapid growing client base including Large Scale construction companies, government agencies, architects, builders, Engineers, Construction Managers, Lot Owners, Property Developers, and Building Designers.

Our surveying solutions are project tailored to suit client needs with a prompt, efficient and reliable service that keeps our clients coming back. With attention to quality product, professional management and sound advice, our Land Surveyors have the capability to serve all areas within the Eastern province and beyond.

□ Land Surveyors

ATCOM Land Surveying division has a professional and dedicated team of Surveyors, Draftsmen, Survey Technicians and Office staff that have a combined experience of over 50 years in the industry across the KSA. We have provided Topographic and As-Built Surveys and Utility and Construction Staking. We Continue to invest in the latest technology to provide accurate data with very tight tolerances for all projects. Our team equipped with field survey equipment includes Real Time GPS Receivers and Total Stations including one with robotic capabilities. Our land surveyors highly experienced and equipped with current survey/mapping/GIS instrumentation, software and technology. Total Station systems afford our team with the upmost accuracy and confidence when locating data in the field. We also utilize a range of quality software products and databases including CAD software



Our Surveying Services

□ <u>Technician</u>

Our technicians and mapping personnel are highly educated and thoroughly trained in work site safety and

CADD configuration and specifications. They are also highly experienced and equipped with current mapping/GIS instrumentation, software and technology. Our staff is completely familiar with CAD configuration, standards, and specifications and professional association requirements. Below are our basic services:

- Urban and rural land development
- Topographic surveys
- GPS & geodetic surveys
- Construction surveys & set out
- Urban design & planning
- Land administration
- Civil engineering surveys
- Existing conditions surveys
- Title re-establishment surveys
- Earthwork volume surveys
- Feature & level surveys
- Boundary Surveys
- Topographic Surveys
- Land Platting and Subdividing
- Construction Staking
- Residential Lot Corner Staking
- Construction Setout Surveys
- Engineering and Earthworks
- Work as Executed Surveys
- Project and Site Management
- Contour and Detail Surveys
- Community Title and Strata
- Title Subdivisions

Professional Associations



PROFESSIONAL ASSOCIATIONS

- ✓ Member of Projects Management Institute (PMI)
- ✓ Member of Saudi Council of Engineering (SCE)
- ✓ Member of Saudi Arabia Water & Environment Association (SAWEA)
- ✓ Member of the International Water Environment Federation (WEF)
- ✓ Member of Institute of Transportation Association (ITA)
- ✓ Member of American Water Works Association (AWWA)
- ✓ Member of Arab American Engineers & Architects Association
- ✓ Member of American Society of CE (ASCE)



<u>Contact us</u>





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