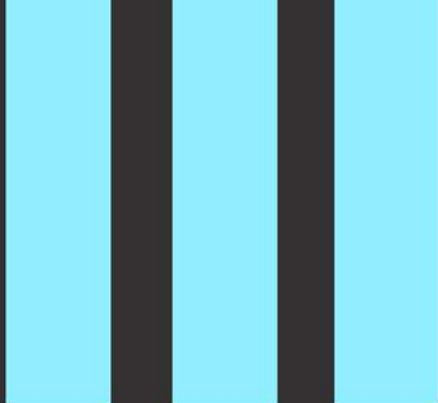


ثقب الأسود للمقاولات
Thaqab Al Aswad for Contracting

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About Us

We, at ETAC believe in answering for our actions to our Creator, as a result we fulfill our business and client's deliverable obligations as part of our ethos. We are on a mission to become the preferred partner for engineering and consultancy services in creating a positive impact in people's lives and shaping a better tomorrow for Saudi citizens.

Our project managers and supporting teams are selected not only for their qualifications and skillset but also for their work ethics. We work in an open and friendly environment; extending to our clients and building partnerships as service providers.

At ETAC we make engineering happen. We do not shy away from challenges or unknown and unforeseen circumstances, we face them, we fix them; we engineer solutions, get back on track and achieve the desired or even better results.



Our Vision

To be a reliable source of engineering and consultancy.



Our Mission

Our goal is to provide services with honesty and dedication.



Our Objective

Our objective is to provide quality in least amount of time.



Our Work Ethics

Clients concern is our concern.



Our People

We are specialists who deliver more than just engineering solutions and fixes.



Our Services

- CONSTRUCTION
- ARCHITECTURE AND DESIGN
- PROJECT MANAGEMENT
- PAVEMENT
- GIS
- IT SOLUTIONS
- ELECTROMECHANICS
- INDUSTRIAL ELECTRONICS REPAIR, SERVICE & MAINTENANCE
- FIBER OPTIC CABLING SERVICES

CONSTRUCTION:

We, at ETAC are engaged in designing, project budgeting, fabrication, installation of steel structure and sandwich panels. Our main products cover sandwich panels, OEM prefab house, container house, construction material, light steel structure house, light steel villa, nonstandard design house, steel structure projects and installation service.



DETACHABLE CONTAINER HOUSE





ARCHITECTURE

ARCHITECTURE AND DESIGN

Our team of professionals has comprehensive experience of the trades of architecture and in-depth knowledge of the tools, industry standards, codes and modern technology.

We provide architectural design to detailed architecture and engineering design and coordinated engineering design services all under one roof.

Our services include:

- Lighting and power distribution system design
- Smart building system design
- Building information modeling for SBS and BMS integration
- Lightning protection
- Fire detection and alarm systems
- Public address system
- Low current and telecommunication system
- Heating ventilation and air-conditioning system
- Firefighting system design
- Water supply and sanitary sewer system
- Site grading and storm drainage system
- Irrigation systems design
- International code compliant engineering design
- Renovation and remodeling
- Façade uplifting modeling
- Interior design
- Architectural design
- Architectural drawings and consultation
- Civil engineering drawings and consultation
- Electromechanical design and implementation
- Steel design fabrication
- Landscape and hardscaping solutions
- Wooden flooring and ceiling



- Security and safety design
- Fire code and escape routes implementations
- Documentation of existing structures
- Digitizing of manual drawings to CAD
- Field of experience:
 - Detached residential and multistory apartment building
 - Residential master planning and urban design
 - Commercial and business centers
 - Hospitals, health centers and laboratories
 - Industrial warehouses and workshops
 - Value engineering of commercial and institutional projects
 - Aircraft maintenance hangers and workshops
 - Educational facilities, colleges and universities master plans
 - Production of shop drawings for construction contractors

Code review:

We do code compliance check for your architectural and engineering design from international building code and national fire protection association (NFPA) code

We study your design, provide assessment of occupancy classification, propose convenient code compliant fire zoning, fire barrier ratings and escape routes.



PROJECT MANAGEMENT

When companies are implementing new business solutions, engineering processes, constructing a new building, transforming their digital systems or undertaking any other type of project having the right project management team at the helm can make all the difference in how smoothly the project goes and whether or not it stays on budget and time line.

When project management goes wrong companies can suffer in a number of ways like budget overruns, missed deadlines, large scope changes, insufficient resources, stakeholder dissatisfaction etc and projects can fail.

We can help keep your project on track.

ETAC paves the way for your success while increasing your business growth by delivering quality consultation on your projects within budget, time, and scope constraints while focusing on clients' requirements. We start every project with an analytical approach to diagnose risks and resolve technical issues and provide best-in-class solutions while leading teams. While consulting on projects we are skilled at cultivating relations with customers, contractors, and stakeholders to make sure everything keeps running smoothly.

Our services include Technical Project Management and Bid & proposal development.



PAVEMENT

Pavement Surface Condition Survey and Data Analytics:

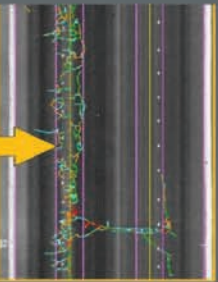
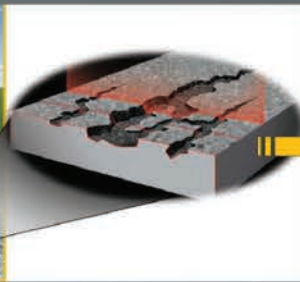
ETAC has delivered high standards of consultancy for Highway Maintenance and Management System for roads, highways, and bridges across Saudi Arabia. We have managed surveys (pavement structural and functional evaluation) and integrated them with Geographical Information System GIS.

ETAC has facilitated Asset Management solutions that have helped clients effectively monitor the condition of their infrastructure.

ETAC has provided technical lead on operation and maintenance of survey machines and highway repair devices.

ETAC has trained project teams to improve performance standards in scoping, implementation, and completion phases.

ETAC has steered site acceptance visits to ensure quality delivery of projects



Pavement and asset management systems.

ETAC has several years of experience and technical expertise in latest technologies, advanced equipment's and data analytic software systems of international leading transportation infrastructure and pavement engineering companies such as Australian Road Research Board (ARRB), Dynatest, Geophysical Survey Systems, Inc. (GSSI) etc

ETAC has conducted workshops and trained engineers/technicians on Asset Management System, Pavement Management System and use of Maintenance Equipment.

Project management

When companies are implementing new business solutions, engineering processes, constructing a new building, transforming their digital systems or undertaking any other type of project having the right project management team at the helm can make all the difference in how smoothly the project goes and whether or not it stays on budget and time line.

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Areas of Expertise In Pavement.

- Highway Maintenance Survey
- Pavement Structural Evaluation
- Deflection testing
- Ground Penetrating Radar (GPR) testing
- Operations & Maintenance
- Pavement Functional Evaluation
- Visual distress surveying
- Ride quality assessment - IRI
- Friction testing
- Video logging & GPS Referencing
- Asset and sign inventories/MMS
- Team Training & Leadership
- Data Processing & Analysis
- Reporting
- GIS integration

Survey Services:

We use state-of-the-art technology in the field of survey so that we are able to conduct surveys and give accurate results efficiently. Our equipment and results are up to the accepted standards of the concerned authorities and therefore save our clients from deduction and fines.

We offer services for the testing of new pavements, pavement maintenance, test profile of the road, International roughness index, texture, rutting routine pavement monitoring surveys, road geometry and mapping surveys

We are professionals in repairing, maintaining and calibrating survey equipment.

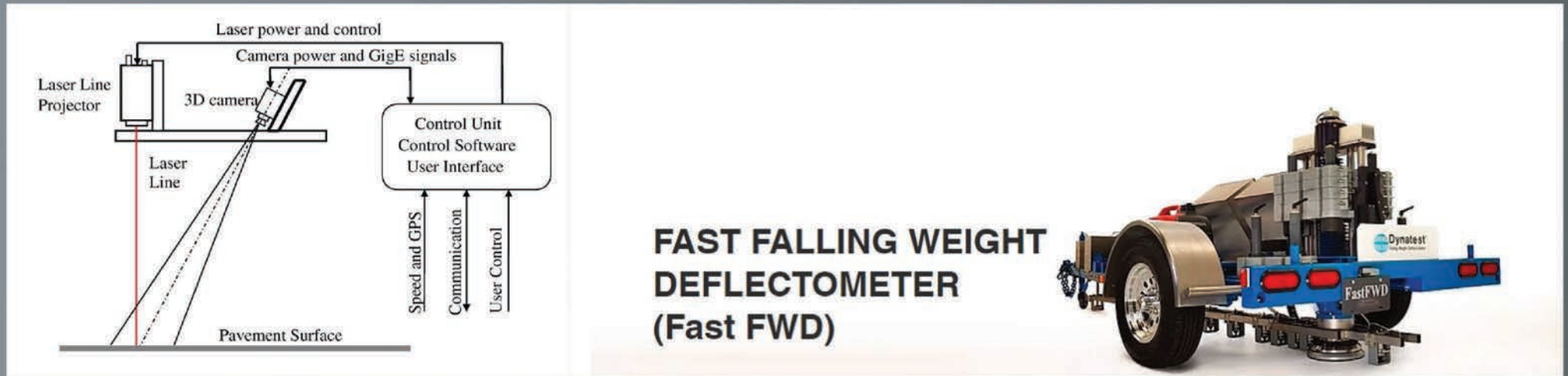
We offer services for:

- IRI (International Roughness Index) survey / Riding quality survey
- Polyline survey

Benefits

- Penalties can be avoided if contractors are aware of factors affecting ride quality.
- Avoiding heavy deductions in IRI inspections from related authorities.
- Monitoring road quality.
- Controlling projects and project supervisors by periodic check by using the DLP.
- Company's staff safety.
- Reducing time and increasing accuracy by using DLP rather than walking profiler.
- Increases life expectancy of the road.
- Decreases road user costs.
- Increases user satisfaction.
- Fulfilling the requirements of Ministry of Transport and Consultants that have implemented mandatory ride quality testing for rehab and new construction.

Buying your own equipment: ETAC can help you in buying and selling of the survey equipment. We also provide proper training for using the equipment.





Enable innovation in your organization through geographical information system GIS and develop and expand your existing capabilities.

ETAC specializes in Geographical Information Systems (GIS) solutions development and offers our clients design and development services for customized GIS. Our team has been successful providing consulting, software development, data conversion, training, digitizing and systems integration services to private and government organizations. Our GIS expertise has allowed us to provide end-to-end GIS solutions. Our knowledge base enables us to develop the most effective integrated GIS solutions. Whatever your GIS need, ETAC is ready to respond with the most cost effective solution delivered in a timely manner.

ETACs solutions provide innovation, accuracy, and reliability.

Our services include:

GIS Surveys and Mapping:

Geographic survey and data collection.

Create and maintain location mapping (bridges, culverts and roads)

Location mapping and fixing reference points physically

Polyline surveys

Digital information development with reference point

Develop and maintain a geographical information system GIS

Integration solutions

GIS Application

Develop GIS software application to support businesses according to unique client needs

IT



IT can play a major role in the success of your organization. But you can also find yourself burning far too many valuable cycles keeping it up and running smoothly—cycles better spent on the strategies and innovation needed to move your business forward.

If you “own” IT but have few or no internal resources to support it, Managed IT Services make a lot of sense. Rather than going it alone, let our team of professionals become your expert IT department. You’ll get end-to-end IT management with unlimited support, a single point of contact for your needs, plus cost stabilization with fixed monthly pricing

**Your technology should accelerate
growth, not slow you down**



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COMPREHENSIVE SERVICES PORTFOLIO



SUPPORT SERVICES

Technical and logistical expertise comes from deep experience maintaining thousands of products for many of the world's leading companies. Our portfolio of support offerings leverages this expertise to assist you throughout the service lifecycle.

Experienced technical support engineers are available via phone to answer your product questions and solve technical problems during normal business hours Monday through Friday. Support for critical system problems is available 24x7x365.

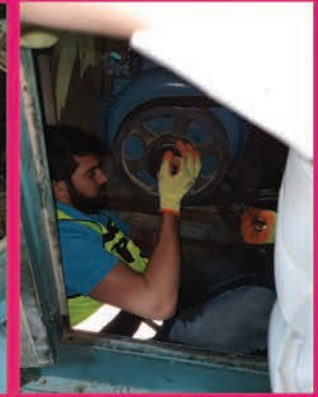
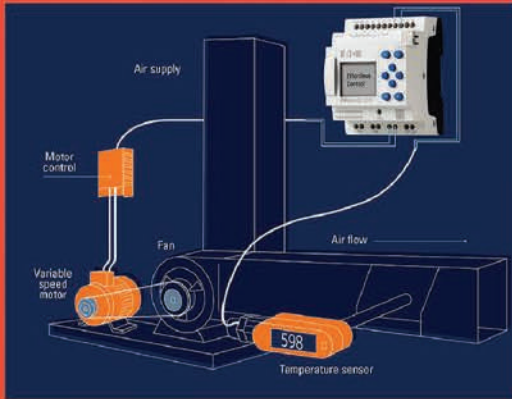
If a technical problem cannot be corrected through phone support, ETAC service engineers are available to travel to your location. While on-site the field service engineer will diagnose the problem, implement a temporary workaround when appropriate, and identify the steps needed for final resolution. Field service engineers are also available to install replacement parts, perform scheduled and preventive maintenance, and to provide general engineering support as an extension of your staff. We are available

24x7 to proactively diagnose problems before they cause service outages.

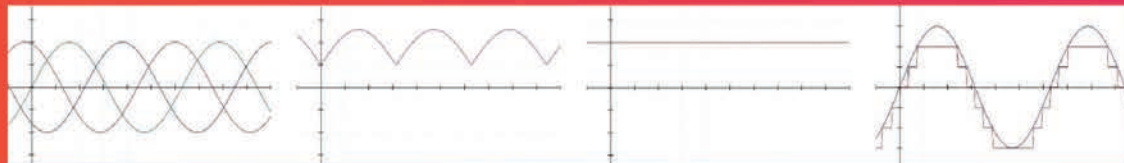
HARDWARE SUPPORT

If your product or system experiences a hardware failure you can take advantage of ETAC's hardware repair and replacement capabilities. Hardware repairs are executed at ETAC's factory locations and offer an economical way to remedy a product failure. When faster resolution is needed you may purchase an exchange part from our service inventory. Exchange parts are typically available for shipment from a regional distribution center near you. When the fastest resolution times are required you may also purchase a critical spare parts kit for standby access to common replacement modules.

ELECTROMECHANICS



We install and maintain automated machinery and computer controlled mechanical systems in industrial settings. We offer Industrial Automation Repairs and Services as well. Our offers include installation / replacement and complete resources for VFDs, servo motors, and industrial .electronic repair. Our veteran technicians deliver guaranteed cost saving, fast turn times, and available rush service



INDUSTRIAL ELECTRONICS REPAIR AND SERVICE

We are professionals in repairing, maintaining and calibrating complex electronics.

- Acoustic sensor / microphones
- Automated test equipment (ATE)
- Displays panel meters
- Electrical testers
- Generators (Function Pulse etc)
- Machine controllers
- Motor derive controllers
- Printed circuit boards (rework and repair)
- Power suppliers and amplifiers
- Process controllers and control systems
- Radio frequency microwave instruments
- Servo derives and amplifiers
- Sound level meters / dosi meters
- Timers and counters
- Automatic transfer switches (ATS) Transfer powers to other source automatically
- Manual transfer switch (MTS) system service entrance transfer switch



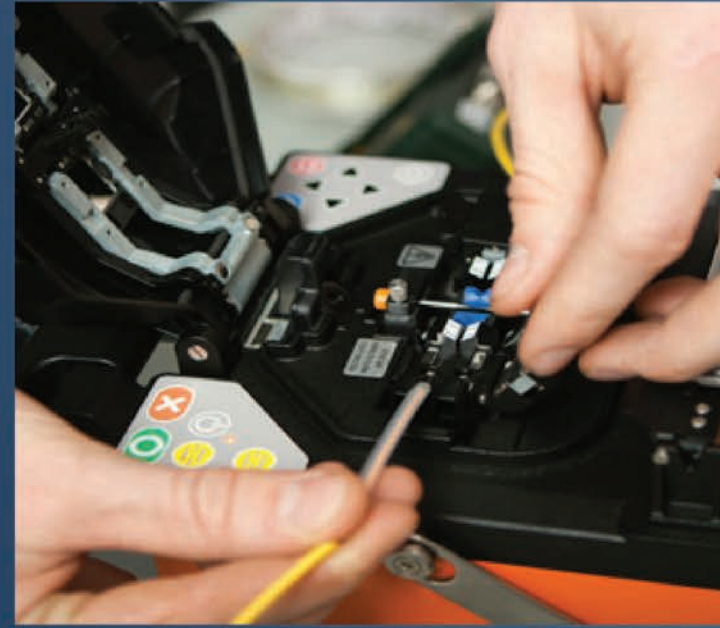
FIBER OPTIC CABLING SERVICES – SPLICING & TERMINATION

Using the latest fusion splicing and testing equipment

Install fiber optic cabling systems with accurate precision and guarantee to deliver high performance and faster speeds over greater distances that your business can rely on.

We cover the entire range of fiber optic cabling, including single mode (OS1 & OS2) and multi-mode (OM1, OM2, OM3, OM4 & OM5). We provide a complete fiber optic cabling installation service, from direct on-site fusion splicing and termination to off-site pre-terminated fiber optic cabling solutions.

Whether it's a one-off project where you need a single fiber cable splicing and terminating or the complete design and installation of a full fiber optic backbone, connecting multiple buildings and linking server rooms, ETAC can provide fiber optic cabling services to suit your exact needs.



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ETAC

