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partnering for progress

ESCO • SOLAR ENERGY • TUNNEL VENTILATION & ITS • RAIL • TURNKEY INSTALLATION • PRODUCT SOLUTION



ABOUT US

Multidisciplinary firm established in 2003, focusing on Engineering Services, Product Solutions and Professional Services. Our capabilities match numerous Electrical, Instrumentation, Mechanical, Renewable and Solar requirements. Our objective is to satisfy the needs of our customers, anticipating their aspirations and responding creatively with technologically superior solutions. To this, we bring our wealth of knowledge and expertise to the service of our customers.

We have successfully executed several engineering service contracts and provided engineering solutions with regionally recognized customers. As SAT's local success grew exponentially, business demands throughout United Arab Emirates necessitated an expansion of territory.

Currently employing over 70+ personnel, including Engineers and Field Technicians. S A T is continuing its growth as a result of its commitment to its client and single-minded in its goal to be the go- to source for competent, reliable, cost-effective engineering solutions and products services.



OUR MISSION

"Partnering for progress" - Our business philosophy is to align ourselves with our customers as partners to ensure our mutual success.

Our objective is to satisfy the needs of our customers, to anticipate their aspirations, and to respond creatively with technologically superior branded products and services which raise the quality of life. To this, we bring our wealth of knowledge and expertise to the service of our customers and this is the core of SAT Engineering's mission



OUR VISION

The ongoing commitment of SAT Engineering is to provide all its customers with the highest quality of service. We want to expand our service and product portfolio and achieve recognition for being a leading engineering company in this region. We are committed to future investment in people through training, and technology, thus enabling us to maintain continuous improvement and the provision of the best possible service to our customers.



QUALITY

It is the policy of SAT engineering to provide engineering services & products solution of the highest quality. In order to maintain the company's success and achieve customer satisfaction, we are fully committed to good quality practices. This policy will be reviewed periodically to ensure its continued suitability.

ENGINEERING SERVICES



ESCO - Energy Optimization

An ESCO is a company that offers energy services which may include implementing energy-efficiency projects on a turn-key basis. ESCO is committed to helping our clients turn their facilities into places that are more cost-efficient, environmentally responsible places to do business.

Based on an Energy Saving Performance Contract (ESPC), the ESCO model works by examining an organisation's current energy usage mainly for lighting and air conditioning. Calculations are then made for the financial savings that could be achieved through a range of key energy efficiency measures and upgrades.

For a customer, the process requires no capital outlay. We can arrange

all upfront capital with the investment recouped over an agreed payback period, through the energy savings generated.

We're offering:

- Indoor & outdoor lighting retrofit with high efficient LED and Air condition retrofit with high efficient AC systems, the service is structured around the energy savings to repay monthly leasing/debt service costs.
- We manage the sizing, design and installation of the correct solar system for your electricity needs. We arrange the capital investment to build it. We operate and maintain the system. You only pay at lower cost, for the electricity we generate.

- Renewable water heating / steam generation technologies are an effective and energy efficient way for hospitals & hotels, while helping to reduce carbon emissions and energy bills.

ESCO's lighting, AC retrofits and solar energy on lease dramatically reduce that cost and make your facility more marketable, sustainable and efficient as you head into the future. We guarantee energy savings and provide the same level of energy service at lower cost.

Positive cash flow - Our solar leasing options mean no capital investment and an immediate reduction in your current electricity bill.

The typical ESCO project includes the following elements:

- Site survey and preliminary evaluation
- Investment grade energy audit
- Financial presentation and client decision
- Guarantee of the results by proper contract clauses
- Project financing
- Comprehensive engineering and project design and specifications
- Procurement and installation of equipment
- Final design and construction
- Project management, commissioning and acceptance
- Facility and equipment operation & maintenance for the contract period
- Measurement and verifications of the savings results
- Operation and maintenance.

Our Street Light Conversion Program enables your community to cost-effectively take control of your street lighting operations and achieve significant energy cost savings. Our programs deliver maximum, verified energy and operational savings while improving the quality of light. Your Street Light Conversion Program can be structured with no initial capital outlay required and immediate positive cash flow to your locality.

SOLAR ENERGY “SOLAR MADE SIMPLE – the brighter alternative”

We are offering Project Development, Engineering, Construction, Operation and Maintenance of solar photovoltaic infrastructures. We manage the sizing, design and installation of the correct solar system for your needs.

At the heart of this solution is the deep industry knowledge, strategic partnership with a leading western EPC and association with world leading manufactures enable us to perform a Full Service EPC at every step of the value chain including Engineering, Procurement & Purchasing, Project Management, Construction, Commissioning and Operation & Maintenance.

We're well connected with Independent Power Producer (“IPP”) to offer cost competitive solar photovoltaic plants on lease to the market. With a strong financial backing from our joint venture partners, we are constantly looking



- We provides a turnkey solar PV system to users of electricity
- We arrange to fund the entire system cost, including equipment, labor, interconnection and permitting; no cost to end user
- We customize the system's configuration and the contract to customer's needs
- We identify and source the optimal equipment from manufacturers
- We design, engineer and install the system with our own installation team
- We monitor and operate the system over the length of the contract

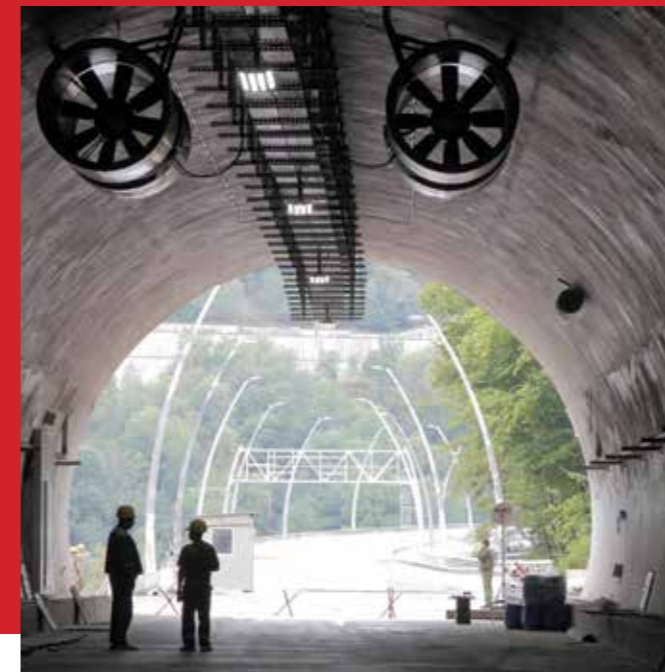
for new opportunities in this rapidly expanding global solar market. Our solar leasing options mean no capital investment and an immediate reduction in your current electricity bill.

Net metering allows you to generate solar electricity without you having to worry about when that electricity is used. At the end of the month you pay us for solar electricity, and your local utility for the net amount you have used from the grid. And if your system has contributed more to the grid than you've used, your local utility carries forward your credit. We believe in a world where the price of solar electricity is cheaper than fossil fuels, and the future of solar power is limitless.

TUNNEL VENTILATION & ITS

We're providing complete project solution from design, supply, installation, commissioning and maintenance of all mechanical, electrical and control systems in a tunnel.

We are specialists in the ventilation and automation part of tunnels. With extensive experience in the ventilation of complex tunnels in all phases of project work from design, installation and commissioning including smoke testing. We offer a comprehensive tunnel solution that unifies tunnel traffic management system and electro-mechanical and Tunnel SCADA.



Ventilation Systems

- Installation of ventilation & automation systems, fire resistant doors & dampers
- Commissioning, test & maintenance of ventilation & ITS systems

ITS

Safety - a key word for tunnel ITS systems. Monitoring, detection and control systems inside tunnels can do much to improve traveller safety. We jointly with our partners have been involved in tunnel control system supply, install and commissioning and have acquired extensive knowledge and expertise in the fields of tunnel control and automation systems.

We are offering turnkey services for:

- Video Surveillance and Automatic Incident Detection Systlis.
- Water Supply and Automatic Sprinkling Systlis
- Traffic Control and Managlient Systlis, including variable signalization and traffic detection/counting
- Emergency Telephone Systli
- Public Annouclient (PA) Systlis
- Rebroadcasting Systlis for radio and cellular services
- Data Communication Network
- Supervisory Control (SCADA) and Control for infrastructure monitoring and control
- CCTV and Automatic Incident Detection
- Fire Detection, Protection & Ventilation Control Systlis
- Intercom over IP and help points
- Environment systlis
- Control desk design / build / refit
- Toll collection systlis



RAIL SERVICES

“Behind your Rail Contracts”

Turnkey Installation of Signaling & Telecommunication | Electrification | Track | Remote Engineering | Commissioning

S A T Engineering is differentiated by the quality and timely services. We along with our Indian associates are a team of innovative service professionals dedicated to provide time responsive and cost competitive engineering services as well as the highest quality construction services to your rail business.

We offer robust solutions that integrate existing equipment and new technologies as well as subsystems and services. Our key interest is to support MNC's working for Railway Infrastructure by providing skilled professionals and engineering resources.

Our professional service umbrella shadows our clients.

OHE, Signaling and Telecommunication: We undertake Railway signaling and Telecom installation on turnkey basis and assist major EPC from conceptual plan to completion.

Electrification:

With our comprehensive expertise, our team has extensive experience in all aspects of traction including D.C. and A.C.



Switching and Sub Station Track Services - We've extensive experience in Track Laying, Welding, Rehabilitation and Gauge Conversion

Rail Engineers & Skilled Technicians

Secondment - Remote Engineering Services

Correction on Secondment - Remote Engineering Services

Our rail department offers exclusive secondment services for clients throughout GCC countries.

We are capable of offering outsourced Engineers and technicians to clients enabling them to operate on cost effective basis. Our rail engineers along with skilled technical team offers a flexible service which can be tailored to the client's needs.

Our Rail Engineers can provide diversified service and work from client's offices as an integral part

of the team and remote engineering service from our partner's Indian facility. We make sure to provide every client's with flexible service options that best address their engineering needs.

Our skilled rail technicians can be made available for secondment at any flexible time schedule depending on clients requirement.

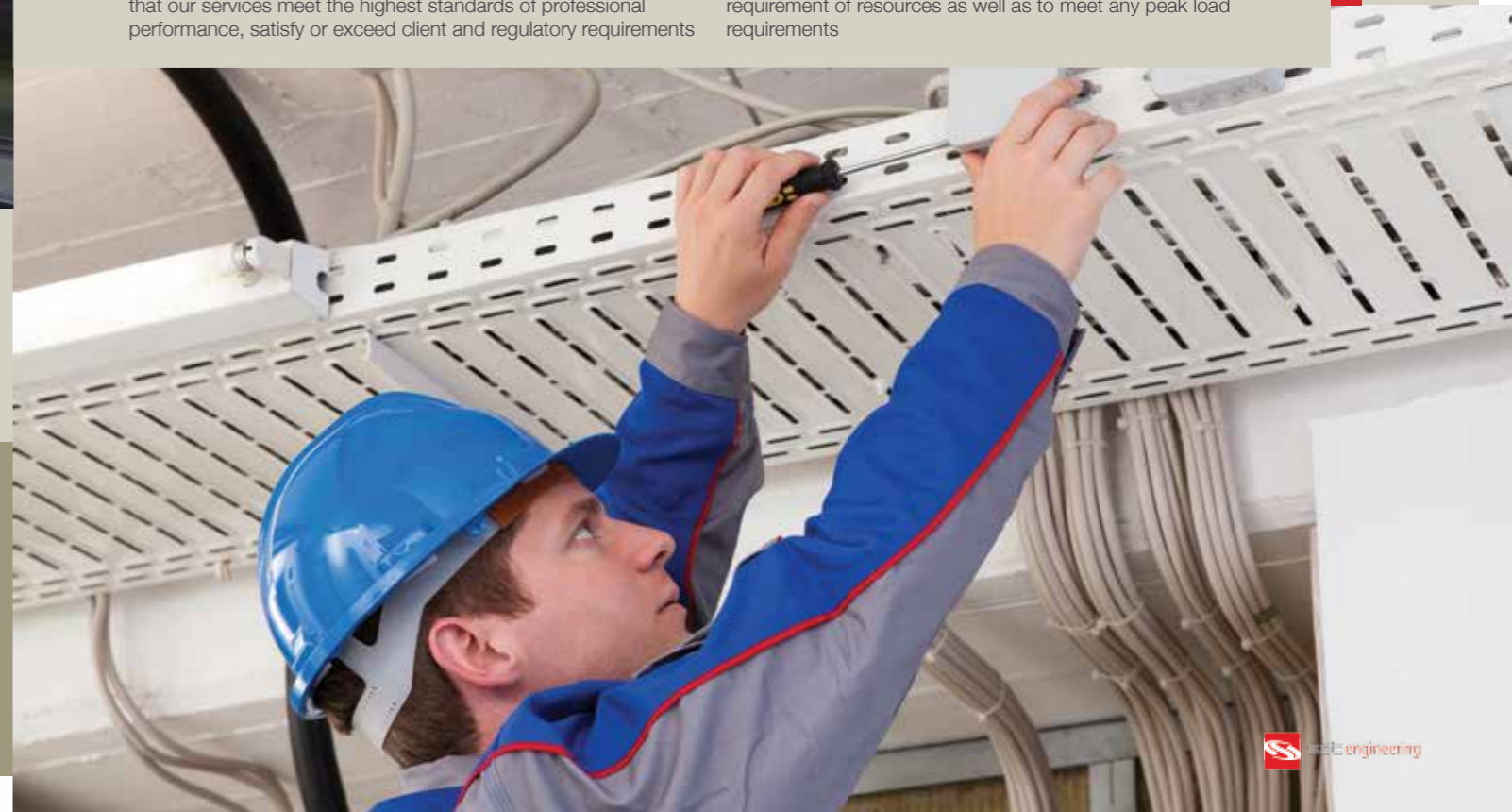
Our expertise covers remote engineering service and installation & commissioning of:

- Automatic Signaling
- Relay Interlocking
- Computer Based Interlocking
- Level Crossing Protection
- Solid state Interlocking
- Object based Interlocking

INSTALLATION SERVICE

Our Installation service has on board with domain expertise of rail, renewable energy and Tunnel. We undertake turnkey installation on lumpsum basis. We ensure that our services meet the highest standards of professional performance, satisfy or exceed client and regulatory requirements

and delivers exceptional value. Our secondment of skilled resources are offered to the contractors and end users to meet their mid-term & long-term requirement of resources as well as to meet any peak load requirements



PRODUCT SOLUTIONS

Suppliers of electrical, anchors & fasteners and offering definitive professional solution in the distribution and supply to major infrastructure, construction and industrial projects across the region.

ELECTRICAL

- Advanced Lightning Protection & Earthing...
- Explosion Protected Electrical Eqp...
- GRP/FRP Cable Management
- Metallic Cable Management
- Stainless Steel Clamping Systems
- Earthing Systems, Cable Glands...
- Electrical Safety Products
- G.I Conduits and Accessories
- Cable Accessories & Terminations
- Cable Identification
- Signalling Solution
- LED Lighting
- Busbar Risers
- Safety Isolators & Disconnecting Switches

SOLAR

- Solar Water Heater
- Solar Street Light



ANCHORS & FASTENERS

(Friulsider)

- Metal Anchors
- Roofing Fasteners &
- Chemical Anchors

Our dynamic team have many years' experience in the Middle East and the particular challenges this market brings. The knowledge this experience brings means we are able to meet your needs with flexibility and in a timely manner – we pride ourselves on our excellent customer service.

We have sales and project offices in Dubai, Abu Dhabi and Doha with a large warehousing facility, where we hold a large range of inventory tailored to the areas we operate within.

Working with some of the world's leading manufacturers, we can offer the complete solution to meet the demands of the construction, infrastructure, power, oil & gas and petrochemical industries.



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