

ATRAK ENERGY LTD. Our Objective Is to Solve the Problems

شرکت مهندسی باسترل محدود

OUR OBJECTIVE IS TO SOLVE THE PROBLEMS. Our objective is to solve the problems. This is the motto and main goal of the Atrak Energy Engineering Company.

The Atrak Energy Engineering Company was set up in 1993 grouping a team of experts including the Company's managers and associates.

The Atrak Energy Engineering Company was established with the fundamental objective of solving problems related to infrastructural industries and installations of the organizations and offices. These relate to optimization, development, improvement and maintenance in the fields of "energy", "electricity", "instrumentation", "automation", and "control".

This relatively macro and vast objective was set, given the long, extensive, and highly profound and in-depth experiences of the managers and associates of Atrak Energy Engineering Company in the three major fields of "design and consultation", "implementation and supervision", and "maintenance and repair" of various projects related to the heavy industries, including oil, gas, chemicals, cement, textiles, towers, administrative and industrial buildings, power transmission and distribution networks and substations.

Also the Atrak Energy Engineering Company's

wide range of experiences through teaching at the universities and compiling and translating reference books for the students and engineers engaged in the fields of electricity, telecommunications, and

We are of the view that materialization of the declared objectives entails awareness of "the problems affecting the industries", "the culture of the technical workers, technicians, engineers, and managers", "the relevant economic issues", and "mastery over the related sciences".

In other words, academic and technical know-how, technological advancement, application of advanced and intelligent technologies, and in short "sound diagnosis", "prescription of the apt solution which is technically and economically viable", and "implementation and enforcement" or "solution of the problem" are imperative.

At the view of its awareness of the problems besetting industrial units in the aforementioned fields, the Atrak Energy Engineering Company conducted studies on advanced and intelligent technologies. The Company was equipped with the M-SCADA and ION, PEGASYS from the Canadian Power Measurement Ltd. This system provides real time information on electric energy and all electric (and, in some cases, even non-electric) parameters under normal and abnormal conditions, supplants errors, conducts harmonic analysis up to the 63rd harmonic. These are done with a precision and scope that is far higher than the existing analog measurement instruments in the electric installations. These can accurately elucidate and pinpoint

the problems that occur, enabling the management to easily run the Preventive Maintenance Program (PM) and stopping problems before occurring.

Considering the specific conditions of Iran's industries, installations, and economy, the PM is a major approach to maintain the existing facilities and installations; and also to preserve the national assets. In addition it reduces foreign currency expenses (related to replacing new equipment for damaged ones and repairing equipment that is out of order).

Another significant policy of the government is "management of fossil or electric energy." The

The seminars zoomed in on "the application of advanced and intelligent systems in energy management, maintenance, repair, dispatching, and telemetry".

When these seminars were held, managers and experts in the fields of electricity, instrumentation, maintenance, and repair of all important industries and officials of ministries and companies became acquainted with the Company's highly advanced and economical system. They expressed eagerness to have their industrial facilities and electric and non-electric installations equipped with this system.

Over the past two years, more



President Saeed Shari'atpour

PM highly facilitates such management at industrial units and services sectors at home.

B) After becoming the exclusive representative of the Canadian Power Measurement Ltd. for industrial and commercial affairs, the Atrak Energy Engineering Company simultaneously declared its objective by conveying more than 100 academic, specialized, and applied seminars in industrial, services, treatment, and university centers and professional associations.

than 25 industrial, services, and commercial units have been equipped with this system, including the National Iranian Oil Company (NIOC), Ahvaz And Zones Production, Alvaz Steel Industries, Kayvan Steel Co., Abadan Refinery, Kermanshah Refinery, Cement Factories of Fars, Abeyk, Soofian, Kerman, Behbahan, Urmieh, Neka, Ekbatan, the Iran Wood and Paper Industries, Tabriz Machine Company, Tabriz Shahid (Martyr) Qazi Serum Production Plant, Sarcheshmeh Copper Complex,

New Battery Manufacturing Company, Mehrabad International Airport, and others.

By being equipped with this system, these plants and companies have realized many of their problems and eliminated them. In this way, the Atrak Energy Engineering Company intends to enhance its activities on the basis of the main objective that it has declared.

To this end, the Company has become a member of the Iran-Canada Chamber of Commerce. The Company hereby wishes to express gratitude to the honorable Ambassador of Canada Mr. Donald P. McLennan, the honorable commercial counselor Mr. George H. Rassam, and commercial officials of the Embassy of Canada.

With the incessant and sincere assistance and support of the Commercial Department of the Embassy of Canada in Iran, the Company has succeeded in promoting its zone of activities and becoming the exclusive representative of the Canadian Greystone Energy Systems Inc. for instruments such as different sensors of temperature, pressure, humidity, air quality, gases, etc., transmitters, transducers. Before long, these instruments, having high quality and relatively low price, were used in the industries in view of the expertise and commitment of the Atrak Energy Engineering Company.

Based on the Canadian Cymte International Inc. design, advanced electronic software such as power flow, fault analysis, harmonic analysis, transient analysis, etc. This Company's softwares are widely used around the globe.

3) The American Teletrol Automation Systems Inc. is the manufacturer of the Energy Management System (EMS), HVAC systems for buildings, instrumentation, light automation such as the refineries, water and sewage networks, simple control loops, etc.

maps. (For instance, mapping a 400-kilometer-long route takes two weeks irrespective of the

4) The American Integra Company is the major manufacturer of tape cleaners and



Managing Director of the Atrak Energy Company Engineer Saeed Shari'atpour delivering a lecture at the seminar on "Energy Management, Maintenance, Repair, Dispatching, and Telemetry Using the Intelligent M-SCADA System" held at the National Company for Refining and Distributing Oil, Tehran, Iran (June 24, 1995).

season and the difficult passes of the region!) This approach is widely used for mapping roads, pipelines, power transfer lines, provision of very exact information on the forests (such as the height and diameter of trees, topography, forest beds, etc.). This technology reduces the time allocated to design and cuts the expenses of the projects.

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testers, cartridge cleaners and testers, (MIS) modular tape management control system. For main frame computers. In view of the high expenses of purchasing new computer tapes, the great importance of data, and the dangers in overwriting and missing them, these equipment are highly useful and economical for owners of main frame computers in our country, as they are relatively expensive.

The Atrak Energy Engineering Company is fully ready to solve the problems gripping the organizations, ministries, and industrial and services units at home in the aforementioned fields. Through its bureau in Canada, the Company can also provide special items ordered by the customers.

The Atrak Energy Engineering Company meanwhile wishes to express gratitude to IRAN NEWS for affording it this opportunity to shed light on its objectives, policies, and views.



Utilizes the most advanced modern technical know-how
Applies the most progressive technological advancements
by rendering project services
rendering technical and engineering services
rendering commercial services

Advanced Airborne Laser Mapping Systems presented by the Canadian Bertha Int'l Inc. and geology, in scales of 1:2000 with wide applications in the projects below:

- Pipelines
- Roads
- Power transmission line
- Mine exploration
- Forest information

Intelligent ION, PEGASYS, M-SCADA systems presented by the Canadian Power Measurement Ltd. have widespread applications in the following fields:

- Energy management
- Maintenance management
- Repair management
- Quality management to obtain ISO 9000
- Dispatching and telemetry
- Maintenance of highly advanced electric and electronic facilities



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- Pipelines
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POWER MEASUREMENT
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By Provision of Technical and Engineering Services

- Varying energy and utility consumption using intelligent systems
- Identifying the problems gripping industrial and services units using intelligent systems and facilities (for technical check up) and rendering research and consultation services for industrial check up, trouble shooting, and problem solving
- Providing special softwares to solve a part of the existing problems in the industrial sector in collaboration with Iran's academic centers
- Holding academic seminars and training courses to familiarize the people with the application of the advanced technologies for problem solving in industrial and service units

By Provision of Commercial Services and Facilities

- Instrumentation and control systems, the Canadian Greystone Energy System Inc. includes: thermal sensors, pressure sensors, DP, humidity sensors, meteorological sensors, gas sensors, transmitters, transducers



• Magnetic tape cleaners and testers of tapes and cartridges, and tape control management system for mainframe computers manufactured by

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As Atrak Energy Ltd. zooms in problem solving, it is ready to see to the problems and difficulties of the industrial and service units and solve them through its bureau in Calgary, Canada by way of offering the required facilities and technologies.

Address: Atrak Energy Ltd. (Martyr) Kolahdoost Street, Tehran, Zip Code 19436
Tel. 2535971, 2535941-3
Fax: 2564434 P.O. Box: 19395-3459