

Newsletter

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Developing World on the Rise



With the US and European markets working through a prolonged stagnation, the

market in the developing countries is on the rise for the Engineering, Design & Consulting firms.

Market economic conditions are driving our clients to desire gaining more with their limited existing assets, so in Monenco, we are globally demonstrating our capabilities to exceed our clients' expectations.

In these challenging times, we are also providing our cost effective specialized know-how and patented technologies to help our clients achieve their business goals rapidly to be able to be responsive to their future demand.

To date, in the international market, we have gained the success in establishment; in Oman-Muscat Monenco consulting Engineers, in Nigeria-Abuja Monenco Engineering Limited, in Kenya-Nairobi Monenco Kenya Consulting Engineers, we are involved in Consultancy, Design, Management and Supervision of energy and infrastructure Projects and always

endeavored to protect client's interest while leading plan in line with project requirement.

In this newsletter you are going to read more about Monenco activities and leadership in the energy market.

We hope that you enjoy reading this issue of Monenco News Letter and we would welcome your feedback.

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New Fields

Study of Renewable energy influence on national grid

The irregularities naturally caused in the renewable power generation would effect on the stability of the power grid network. Monenco, as a pioneer consulting engineer in the field of system studies, works to identify the influence of renewable energy resources penetration on Iran national grid. Monenco has good experiences in grid interconnection studies and has been involved in many projects in this field.

Petrochemical Industries

Stepping into the field of Basic Design in oil and gas and especially petrochemical industries is indication of Monenco's engineering capability in process plants. The core of this activity is our experts in process section.

Penetrating in this field is started by SRPC complex and bio ethanol plant, which will be completed by methylamines complex. Utilization of the most updated engineering software is backing up our engineers to be more satisfied from their engineering outputs.

FTTx

Fiber To The X (FTTx) is a network, based on fiber optic technology which provides direct access to the broadband telecommunications through fiber optic for an enormous number of customers. The speed of fiber optic and copper cables are both limited by length but copper is much more sharply limited in this respect.

For the purpose of improvement on the telecommunication network, Monenco is providing consulting services together with our European partner to provide the Strategy, High Level Design (HLD), Business Plan and tendering of the first National Broadband Network (NBN) of Iran.

Sample Projects

Synchronous Interconnection of Iran-Iraq Grids

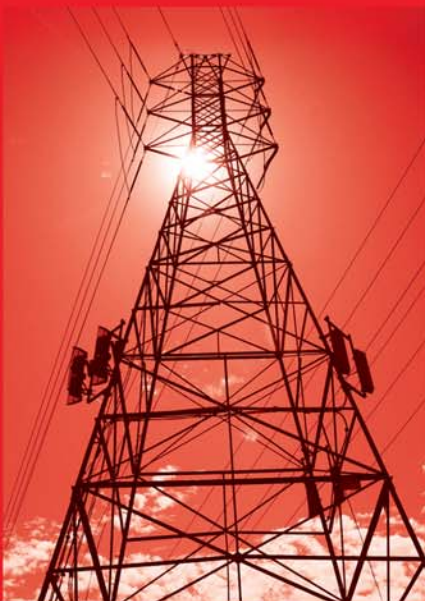
Start date: 2013

Client: Electricity Ministry of Iraq

Location: Iraq

Description:

Following the plan of developing an interconnected electrical network in Iran, it is time to investigate options concerning connection to neighboring countries. So, it is decided to conduct a comprehensive study regarding integration and synchronization of Iranian network to Iraqi power grid. In this project, by means of internal and global experiences of networks integration, a feasibility study about interconnection and synchronization of Iranian and Iraqi electrical networks will be performed and all strength and weakness points along with advantages and disadvantages of the plan will be investigated through an inclusive study from different technical and economical points of view.



Consultancy Services for Preparation of Network Asset Maintenance Standards & Associated Asset Management Documentation

Start date: 2013

Client: Majan Electricity Company SAOC (MJEC)

Location: Oman

Description:

Majan Electricity Company SAOC (MJEC) is progressively implementing a best practice of Asset Management System (AMS) suitable for accreditation to PAS 55 by December 2015. As part of this initiative, it intends to enhance its maintenance and asset management practices. Therefore, bellow documents will be submitted by Monenco based on Project time schedule.

- General FMEA Methodology & Process map
- General Methodology & Process map
- FMEA For 10 Equipment
- Maintenance and operational Tasks and frequency
- Reviewing the existing MJEC Maintenance Standard Documents
- Identifying Special Tools Required to Undertaking for Each Maintenance Process
- Asset mission Documents
- Course Notes and presentation

Consulting services for Analysis, confirmation, design, implementation and operation of FTTx NBN

Start date: 2013

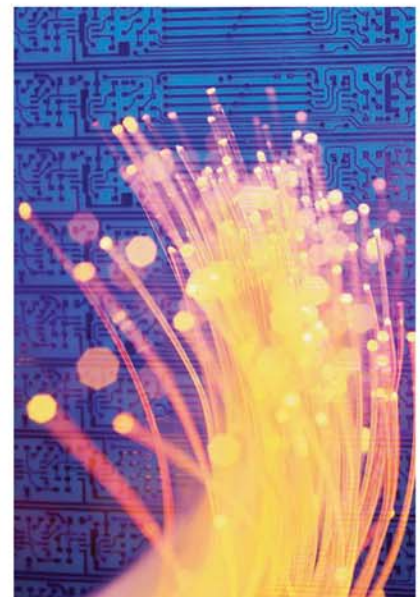
Client: Iranian-Net (the 4th telecommunication operator in Iran)

Location: All around the country

Description:

This Mega Project includes the following services:

- Data gathering and geo-referencing in 31 Cities (8 million customers)
- Competitive analysis of Iranian Broadband Market - Players Strategies
- Business Model for 8 Million FTTx port to be deployed in 31 Cities
- High Level Design of the FTTx Network
- Tendering and implementation of different RFQs
- Assistance in Vendors Selections



3D-Model Preparation for all IOOC (Iranian Offshore Oil Company) Offshore Platforms (Including Kharg, Lavan, Bahregan & Siri)

Start date: 2013

Client: Iranian Offshore Oil Company / TWI Persia

Location: Iran

Description:

- The purpose of this project is to prepare 3D- Model of all IOOC's offshore platforms(176) located in persian gulf. There are four main regions that we are gathering their data: KHARG, LAVAN, BAHREGAN and SIRI. We are gathering all platforms' data and scanning all existing installation in all platforms levels such as: equipments, piping, Instrument & electrical devices and all structure by LASER SCAN technology. Until now the below 3 zones have been covered for data gathering with Laser Scan & 3D Modeling with PDMS.
- Aboozar Oil Field - Kharg Island
- Foroozan Oil Field - Kharg Island
- Dorood Oil Field - Kharg Island



Engineering Services of Production of Formalin, Acetaldehyde and Pentaerythritol in Shahid Rasouli Petrochemical Complex

Start Date of Phase 1: 2013/06/01

Start Date of Phase 2: 2013/11/27

Client: Shahid Rasouli Petrochemical Complex

Scope of Works in Phase 1:

- Preparation Scope of Work for Phase 2
- Economical Study
- Preparation List of Basic, Feed, Detail & ... Document

Scope of Works in Phase 2:

- Basic design
- Detail designs
- Management & Supervision over procurement
- Training of client staff
- Supervision over erection and commissioning of a petrochemical complex located in Mahshahr (South of Iran).

Description:

The plant will produce 20.000 Tons/Year, Formalin, Acetaldehyde and Pentaerythritol to cover Iran and neighboring markets

Determination of strategy and technical and commercial feasibility study for Anahita steelmaking factory

Start date: 2013

Owner: Anahita Steel Co. - Iran

Location: Iran

Capacity: 2000000 ton steel

Scope of work:

Monenco provides technical, environmental and economical feasibility studies for steel making factory in three seasons. In the first season, global marketing and different kinds of steel products are introduced and investigated. In the second season the optimum scenario of steel making is chosen and finally in the third season, technical and economical feasibility. The plant is going to be constructed in the Khuzestan province, near Mahshahr (city in Southwest of Iran).

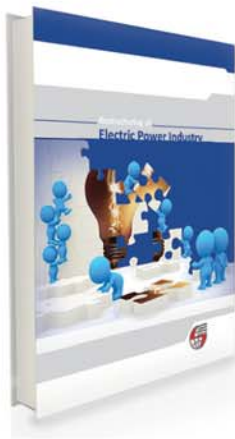




Publications

▶ Book

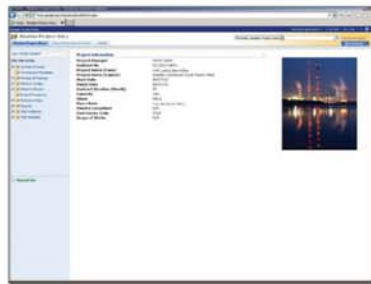
Due to the lack of appropriate references and with the aim of localization & development of technology and engineering design, Monenco has published the book "Restructring of electric Power Industry" by it's outstanding experts in 2013.



Quality Improvements

▶ Information Technology

Since the mission of Monenco, is to "grow Monenco's business through information technology" therefore, new archive system based on SharePoint 2010, the Power Plant Master Document List (PPMDL), Final Book Electronic System and the Data Exchange Package (DEP) Monenco's business units, have been applied in order to imporve the quality and efficiency of our services.



Event

Monenco attendance in 19th International Exhibition of Oil, Gas, Refining and Petrochemical

Monenco will attend in 19th International Exhibition of Oil, Gas, Refining and Petrochemical from May 6th to 8th 2014 which will be held in Tehran Int'l permanent fairground.

More than 1000 domestic and international companies will attend in this exhibition from worldwide. Those who are interested are more than welcome to visit Monenco boost at this exhibition.



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