PICO Technologies: a technology provider of sophisticated oil field equipment and tools specialized in openhole wireline logging and progressing cavity pumps systems; as well as upstream services provide specialized in Surface Well testing.

Superior, differentiated, cost-effective; are all illustrative of what PICO Technologies offers to the market.

Founded in 2008, PICO Technologies started to serves as the research and development arm of PICO Group. PICO Technologies offers a complete portfolio of services including electronic and mechanical design, research and technology consultation, prototype development, commercialization, sales and marketing, product development, product management, and after sales support. This technology arm addresses the operating needs of the E&P industry by focusing on developing patented proprietary openhole wireline logging tools and production optimization controllers for progressive cavity pump systems. A relatively new addition to the PICO Energy family, PICO Technologies has worked to improve the functionality and operating efficiency of existing technology. PICO Technologies’ tools are based on Gearhart open hole tools but offer modern updates which facilitate efficient operation of the wireline logging equipment.

With a team of more than 20 employees and contractors, in the research and development center Houston-based PICO Technologies has successfully developed and patented a set of high quality open hole (Triple Combo) tools including Telemetry, Natural Gamma, Spectral Gamma, Neutron, Density and Array Induction. These cost efficient tools have been field tested and have shown results comparable to the majors and independent players in the market; with more intense field validation testing to be completed. PICO Technologies’ Triple Combo sets are on pilot production; meanwhile, developments are ongoing for Full-Wave Sonic, Imaging, and Pulse Neutron tools.

PICO Technologies is a humble member of PICO Group. PICO Group has an established Well Testing business unit that provides Surface Well Testing to high profile E&P clients across the globe in The Middle East and Mexico, now expanding in USA market under the umbrella of PICO Technologies, thus concentrating on South and West Texas market. PICO Technologies has the equipment, technology and personnel that provide a high quality job with the most competitive price to gain a remarkable access to the market and a bigger market share.

This success is a hallmark of PICO Energy Group companies, which offer upstream, marine, logistics, R&D and R&D services that meet the demands of high-profile national, regional and global clients in the Middle East and North America.

The Group is comprised of distinct, independent, integrated companies, including PICO Petroleum Integrated Services, PICO Technologies, PICO Marine Services, PICO Logistics Services, and PICO Research & Analysis. PICO Technologies success is derived from PICO’s partnership with Marvin Gearhart. PICO and Gearhart’s partnership was established in 1986 when Gearhart helped PICO become the first Egyptian company in the region to own and operate logging equipment. This partnership paved the way for partnerships with other majors and resulted in the addition of the E&P sector to the Energy Services Group. The technical expertise that has been established over the past 30 years has allowed PICO Technologies to branch from Open-hole wireline logging projects to others such as PCP artificial lift systems and allowing it to provide a high quality service to the Surface Well Testing.

PICO Technologies’ efficient and high standards business model has positioned the company to capture a slice of the market share in this highly competitive field. A number of buyers have shown interest in PICO Technologies’ products, and it seems it will only be a matter of time before the company’s efforts prove to be very valuable beyond the open hole logging market.

This company is one to keep an eye on.

Contact PICO Technologies: PICO Technologies LLC
19407 Park Row
Houston, TX 77084
Phone:(956) 688-8201
Website: www.picotecnologielc.com

Oil Forecast: The New Normal

Expect oil prices to remain around the $50/barrel mark for the upcoming year. The US Energy Information Administration (EIA) models show that if OPEC keeps its production cuts in place through June 2017 as promised, supply and demand will be roughly in balance, and we could see supplies fall below consumption in the second half of the year. Expect the industry to remain within this "medium-low for longer" price level for some time, with the potential for continuous short-term cyclical fluctuation.
**Today, the number one oil and gas producer in the world is no longer Russia or Saudi Arabia; it’s America.**

**President Barack Obama**

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**If supply stays where it is, and demand remains weak, you have to believe it is going down some more. But if supply is taken off the market, and there’s some growth in demand, prices may go up. But I sure we’re not going to see $100 a barrel. I said a year ago, the price of oil above $100 is artificial. It can’t continue.”

**Alwaleed Bin Talal**

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**“**

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**Our primary responsibility to the owners is to raise the highest caliber within our team to carry out our Strategy well into the future.”

**Eng. Salah Diall, Chairman of PICO Corp**

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**Should you find yourself in a situation where oil and gas production from both platforms flows to the onshore facility, it is requesting to build and install new offshore platform “PFM-C” to accommodate and handle the expected production volume.**

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**Dick Cheney**

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**I have not seen Al Gore’s movie.**

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**Today, the number one oil and gas producer in the world is no longer Russia or Saudi Arabia; it’s America.**

**President Barack Obama**
Oil price slump costs Texas 65,000 energy jobs – and more

Last month, while on its way to eking out a net gain of just 2,100 jobs, the state lost 6,600 mining and logging (energy) jobs, according to the Texas report issued Tuesday. Declining oil prices have slowed the sprinting Texas energy-consuming economy that benefits related sectors, Texas also has a large energy-production severance taxes. They raise taxes on sales, fuel and business, concentrating on South and West Texas market. STAT aims to provide a variable selection of surface well testing services in all permanent production facilities.

**Case Study—Production optimization control systems for Progressing Cavity Pump systems: (CPOP)**

PICO Technologies Customized Production Optimization (CPOP) control systems targets primarily for heavy oil applications with the goal of optimizing production, improving efficiency and extending run time of the pump. The system collects data from artificial lift operations and provides the critical information required to increase production and decrease maintenance cost. CPOP provides data gathering and online monitoring on everything from power-quantity to health of the system so that manpower can be spending managing problems rather than identifying them. The system also allows the operating personnel to control the system remotely should the field be inaccessible. The system’s flexibility allows the scalable control of driveheads of power ratings from 0.5– 30 (from ABB manual) horsepower using FC/DC 1.1. The system can be deployed to back the USA Market.

**Well Testing activities are all those with focus on the following:**

- Distributing a static reservoir pressure by flowing the fluid through the formation and collecting pressure transients in order to determine the characteristics of the formation. The system collects data from artificial lift operations and provides the critical information required to increase production and decrease maintenance cost. CPOP provides data gathering and online monitoring on everything from power-quantity to health of the system so that manpower can be spending managing problems rather than identifying them. The system also allows the operating personnel to control the system remotely should the field be inaccessible. The system’s flexibility allows the scalable control of driveheads of power ratings from 0.5– 30 (from ABB manual) horsepower using FC/DC 1.1. The system can be deployed to back the USA Market.

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PICO LiftBoats: Game Changers in Mature Fields

PICO 4 Liftboat offers major personnel safety advantages over rigs and fixed platforms—and has proven its ability to weather the Gulf of Mexico

PICO 4 is a self-propelled jack-up barge including offshore work-over service units. Also known as a Liftboat, PICO 4 is presently deployed to the Gulf of Mexico, having proven itself resilient to the region’s severe weather patterns.

PICO 4 has the ability to travel in winds of up to 25-30 knots and at a wave height of 5 feet. Its fast jacking capabilities—it is able to self-decommission at a rate of 6-8 ft/min—and its travel speed of 7-8 knots allow it to mobilize very quickly even during very short weather windows.

PICO 4’s liftboat features include:

- **Pernament installations**
- **Water ballast**
- **Fishing**
- **Removal of toxic, hydrocarbon or hydrous plugs**
- **Flow control of horizontal and deviated completions**
- **Wellbore cleanout**
- **Remedial cementing**

Who Needs Twenty Contractors to Drill One Well?

PICO Petroleum Integrated Services offers the full spectrum of services required by Egypt’s Oil & Gas companies

Oil companies in Egypt are currently faced with a number of challenges such as resource scarcity, competing interests and administrative and contractual hassles. As a result, service providers like PICO Petroleum Integrated Services (PPIS) need to be well positioned to address these market needs. By making tools, equipment and human resources available at a fixed cost on a lump sum basis, Oil & Gas operators do not need to go through the administrative and contractual hassles that arise when dealing with multiple suppliers.

One of PPIS’s primary goals is to change the mindset of the oil and gas market to seeking integrated solutions and high-quality products and services. Having one contractor that includes a full bouquet of downhole drilling services, logistical support and the supply and maintenance of all associated equipment improves productivity and allows the client to meet production plans and budgets.

With over 30 years of experience in the industry, PPIS is a leading integrated drilling services company. Through its well-developed network of subsidiary companies, PPIS offers the full spectrum of services required by Oil & Gas companies in Egypt.

The company has grown to become more than just the preferred supplier of hydro-mechanical and fully hydraulically powered jacks on the Egyptian market. Today the PPIS service menu includes well planning and design, well testing and completion services as well as full project management.

Integrate Services is a spin-off from the engineering and oilfield service company that has grown to become a major player in the Egyptian market. The company is well able to apply years of engineering experience and innovative designs, aided by a sophisticated engineering database management, to deliver optimal quality drilling solutions based on materials selection, service applications and carefully formulated performance criteria. PPIS uses a value-based approach with customized financial and risk models, fully aligning the interests of service providers and customers.

Solutions that improve overall economics and Health, Safety and Environment (HSE) programs ensure optimal well performance with reliable, durable production.

Our state-of-the-art machine shops are staffed with the latest technology and fully equipped. Our six major & minor workover contractors in the Middle East and Asia are staffed with the latest technology and fully equipped with the latest equipment.

PICO Marine Services: Meeting the Highest International Standards

Targeting the_RIGHT fields, with the_RIGHT equipment, and with the_RIGHT people enables PICO to provide the RIGHT results.

PICO 4 Liftboat

PICO Mexico is the first subsidiary of an Egyptian company to perform services for Petro’s in the Gulf of Mexico. PICO 4 offers major personnel safety advantages over rigs and fixed platforms and is dedicated to uncomplicated workover operations.

PICO 4 has a jacking speed of 6-7 ft/min.

Characteristics:

- **Independent leg applies maximum pressure on the seabed** to achieve the highest stability.
- **Jacking speed = 1 ft/min.**
- **Seawater Cranes based on proven and perfected designs to withstand most adverse operating conditions.**
- **DP system (ABS classified).**
- **Lifeboats and life rafts installed on PICO 4.**

PICO 4 Liftboat

Mobile offshore working platform in Egypt’s Gulf of Suez.

Characteristics:

- **Deck Length x Width = 33.5 m x 33.5 m.**
- **Barge Thickness ( Hull) = 4.27 m.**
- **Length of Legs = 71 m x Diameter of 3 m.**
- **Main Deck Free Space = 400 m².**
- **Maximum Deck Load = 450 tons.**
- **Lagels are jacked up by two hydraulic pistons.**
- **Jacking speed = 1 ft/min.**
- **2 tug buoys are needed to move Zahraa at a speed of 2 m/s or 7km/h.**

Al Zahraa Barge

PICO 4 Liftboat

PICO Marine Services is the First Subsidiary of an Egyptian Company to Perform Services for PEMEX in Cantarell Field

Objective of contract: Design and perform integrated workover in the fields of the Northeast Marine Region of Pemex using a self-propelled self-elevate platform fully equipped with.

You can purchase a comprehensive database of oilfield services, which includes more than 20,000 service providers from across the globe. This database is updated monthly and provides detailed information on various services, including drilling, completions, and production.

We have extensive experience in the oil and gas industry and have worked with companies all over the world. We can help you find the right service providers for your project.

PICO Energy Research & Analysis

PICO Energy Research and Analysis is a management consulting house for the energy sector, working in collaboration with its broad range of clients in order to deliver value and enhance the effectiveness and efficiency of client performance. Our mission is to enable our clients to make decisions that will create sustainable value for their own stakeholders.

In this role, we have developed a comprehensive strategy and to assist our clients in decision-making initiatives. The tools that we have set up to implement this strategy dynamically combine insights and analytics, with the trends that shape the market and our “insider’s perspective,” to create opportunities that tailor to our clients’ needs and focus on the right market opportunities.

We have extensive experience in the oil and gas industry and have worked with companies all over the world. We can help you find the right service providers for your project.

Mexico: Delivering on Potential

Mexico is the world’s seventh-largest oil producer, and PEMEX, Mexico’s national oil company, is the largest producer of crude, natural gas and refined products. In 2019, PEMEX was the fourth-largest crude oil producer in the world.

For more than 80 years, Pemex has managed a monopoly of Mexico’s Oil & Gas industry — a status that meant reasonable pricing, limited competition and increasing inefficiency. But with the recent Mexican oil and gas reforms, it is a new era, marked by greater transparency and investor-friendly reforms. Pemex awarded its first incentive-based oil contract to private operators, making it the fourth-largest crude oil producer in the world.

PICO Energy Group and its portfolio of companies are poised to capitalize on the new opportunities that are emerging in the Mexican market. We are well-positioned to support clients with the tools which enable them to make strategic decisions for optimizing their market and portfolio positions.

The tools that we have set up to implement this strategy dynamically combine insights and analytics, with the trends that shape the market and our “insider’s perspective,” to create opportunities that tailor to our clients’ needs and focus on the right market opportunities.

In summary, PICO Energy Group is well-positioned to support clients with the tools which enable them to make strategic decisions for optimizing their market and portfolio positions.

Al Zahraa Barge

Gulf of Suez

Mobile offshore working platform in Egypt’s Gulf of Suez.
It’s time for the region to get serious about diversifying its economy.

Yes, we have had good news about multi-million dollar investments made by a few companies that are using hydraulic fracturing and horizontal drilling to extract oil from the Marcellus Shale formation. And we have heard some good reports about the productivity of those wells. But, as time goes by, the region’s oil and gas economy’s vulnerability to world events becomes increasingly clear. And energy-based economies — which already are subject to boom and bust — are becoming even more unpredictable.

An analysis by Daniel Fine, associate director of New Mexico Tech’s New Mexico Energy Policy Center, (available on The Daily Times’ website) contains some very bad news for our region. Saudi Arabia is working to scuttle the U.S. shale-oil boom by creating a “world oversupply of crude oil,” he writes.

That oversupply also takes pressure off officials who might consider lifting the U.S. ban on crude oil exports. Ultimately, although the price of a barrel of oil is lower, Saudi Arabia protects its market share, he says.

It is unlikely this will cause any great outcry from the American public as the most visible indicator of the plan’s success is a drop in gasoline prices.

As the Saudis open the spigot — flooding world markets and depressing oil prices to a level that retards investment — it is the marginal U.S. operations that will be the first to suffer. And Fine points out that the San Juan Basin has significant problems.

“The timing of the Saudi action has hit the Southwest U.S. unconventional oil producers when they are already vulnerable to a massive infrastructure bottleneck,” Fine writes. “Producers have contracted a discounted price of as much as $15 per barrel because there is no sufficient pipeline capacity take-away from the Permian and San Juan basins to refineries on the Gulf of Mexico coast or anywhere. This is the result of unanticipated high oil production without investment in transportation to get it to markets or process it here in New Mexico.”

Fine goes on to say that, “American shale oil and gas, the revolution of hydraulic fracturing and horizontal drilling, now faces a period of consolidation, capital discipline and new project capital planning postpone.”

An official with one of the local producers told The Daily Times that their operation is profitable and will remain so even with a drop in oil prices. Fine writes about businesses that have created cash-flow hedges by selling in the futures market, but he warns that the Saudis have deep pockets and can continue the strategy for years.

“This effectively limits the 10-year-old shale oil technology play and consequent ‘energy revolution,’” Fine writes.

We have heard discussion about bringing in manufactured hydraulic fracturing and horizontal drilling, now faces a period of consolidation, capital discipline and new project capital planning postpone.

It’s time for the region to get serious about diversifying its economy.

Among our valued clients

PICO Energy Services Group companies operate in Egypt, Romania, the United States and Mexico, serving major domestic and international clients.

In August 2012, CCHL announced the signing of a service contract for its Romanian operations, with an effective start date to the contract of 1 October 2012.

Altainia is a service contract for Pemex as field owner; the field’s current 20 reserves are estimated at 10 million in the world’s 10% of the world’s recoverable oil potential.

CCHR currently developing the field as per the developing plan, with a view to producing oil as well as several technological improvements pilot that, showing strong impact on the daily production levels.

CCHR has operating office in Tampico from which it plans to expand its operations in Mexico.

Romania: Another Potential

Another Eastern European through year 2013, Cheiron Holding Limited, FORA Oil and Gas, an SPV of Cheiron owns five Concessions in Romania. The potential expansion — work in progress, PICO Energy Group to establish and expand through a Service Company in Romania.

To learn more, contact us at Corporate Development Department Cheiron Holdings Ltd. cdh@cheironpetroleum.com or visit www.cheironpetroleum.com

PICO Today

Houston’s Real Estate Market Feeling The Effects Of Oil’s Price Drop

They said it’d be different this time, but it appears that Houston real estate is at a tipping point. The oil price crash is just beginning to be felt in the market, which has until recently processed inexplicably resistant to a severe and increasingly prolonged downturn in the city’s primary economic driver. Housing costs are at an all-time high, so much so that a study from Rice University’s Shell Center for Sustainability found that Houston has crossed the line from affordable to unaffordable in the past year. Despite the fact that a barrel of crude—Houston’s lifeblood—is now going for about $40 a barrel.

As a man who spent his formative years growing up in Houston in the eighties oil bust, these high real estate prices seemed like magical thinking at work. Upstate real estate did not boom when GDP went bust, nor did Pittsburgh or Cleveland’s markets when the American steel industry cratered. As for Houston, you keep reading that it will be “different this time,” that the Energy Capital of the World’s economy has “diversified”, as locals have been musing ad infinitum since crude went into its spiral.

But many of the rumors concerning Houston’s diversification have been greatly exaggerated—the economy is little more diversified than it was in the days of Ronald Reagan, Max Headroom, and Duran Duran. The diversification claim is typically made of its attributes: they’re simply obvious, as if area booms in construction, shipping, retail, real estate, and the hotel and restaurant biz but did not all trickle down from a booming petrochemical industry.

When defenders of Houston’s diversification do bother to state exactly how our portfolio is varied, they invariably site the growth of the Texas Medical Center. Nope. Houston remains the “Petro Metro,” as it was once called in a (thankfully) failed grassroots campaign to make Houston a “gas-town.” According to a March report by Auction.com, the Mighty Med center’s expansion is dwarfed by that of good ol’ O&G.

Back in 1985, in some of the darkest days of the worst oil bust in living memory, healthcare’s share of Houston’s total economic earnings was 5.1 percent. Oil was ten. By 2013, health-care had risen to 6.7 percent, but O&G had risen even more, to 13.9 percent. That’s right. Oil’s share of the local economy is care had risen to 6.7 percent, but O&G had risen even more, to 13.9 percent. That’s right. Oil’s share of the local economy is

Houston's Real Estate Market Feeling The Effects Of Oil's Price Drop

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