

## *Focus on Energy and Environmental Protection*



Primary energy remains the Northern Gulf's economic lifeblood, and the sector will witness multi-billion dollar investments for the foreseeable future.

Balancing future energy requirements with environmental preservation is more vital today than ever, and renewable and alternative energy technologies are an increasingly important component in business models for many companies.

As an established showcase for innovation and innovators, Gulf Industry Fair 2012 brings conventional upstream, downstream and midstream energy companies face-to-face with specialists – from reservoir technology experts to process control developers and pipeline maintenance engineers.

In keeping with energy industry trends, the exhibition also features companies specialising in solar, wind and nuclear technologies, as well as inventors of 'smart grid' energy management systems, all of which are geared to powering the GCC's future industrial growth.

### KEY MARKET INDICATORS

- Average Saudi oil output in June 2011: **9.8 million barrels per day (estimate)**
- Planned expenditure on new oil production capacity in Saudi Arabia in next five years: **\$30 billion**
- Value of Kuwait's oil and gas industry modernisation programme in next five years: **\$90 billion**
- Qatar's total liquefied natural gas (LNG) production capacity: **77 million tonnes per year**
- Estimated GCC capital investment in new petrochemicals and chemicals capacity in next five years: **\$50 billion**
- Total GCC investment in new power generation facilities up to 2020: **\$300 billion**
- Expected electricity consumption growth in Qatar up to 2014: **15%**
- Forecasted electricity demand in Saudi Arabia by 2032: **120 gigawatts**
- Number of nuclear reactors to be built in Saudi Arabia by 2030: **16**
- Amount of private sector investment in alternative energy in UAE by 2020: **\$100 billion**
- First nuclear power plant online in UAE: **2017**
- Timescale for Bahrain to start generating energy from sun and wind: **Three years**

### Strategic Sector Sponsor

## National Oil & Gas Authority ( NOGA )

Noga is the government body responsible for regulation, policy and control of Bahrain's hydrocarbon assets. Via its umbrella companies, Noga is currently spearheading the development of several important strategic initiatives. These include investments in key projects to meet both the kingdom's future energy needs, as well as securing valuable international revenue streams for its products. Noga is also pioneering energy conservation and environmental protection programmes in Bahrain, and has launched and supports several important initiatives in this regard.

