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Qatar’s strong position in the global petrochemical industry will be further enhanced with the $6bn Ras Laffan Petrochemical Complex, one of the largest in the world, will start production by the end of 2026.
By then, Qatar’s overall petrochemical production capacity is estimated to touch 14mn tonnes a year.
The Ras Laffan Petrochemical Complex is Qatar Energy’s largest investment ever in Qatar’s petrochemical sector, and marks :u1 important milestone in the country’s downstream expansion strategy.
The petrochemical complex will not only facilitate further

expansion in Qatar’s downstream and petrochemical sectors, but will also reinforce the country’s integrated position as a major global player in the upstream, LNG and downstream sectors.
The Ras Laffan Petrochemicals complex consists of an ethane cracker “1th a capacity of 2.lmn tonnes of ethylene per year. The 435 -acre project site also includes two polyethylene trains with h a combined output of l.7mn tonnes per year of high- density polyethylene (HOPE) polymer products. His Highness the Amir Sheikh ‘Thmim bin Hamad al-Thani laid the fow1dation stone for the Ras Laffan Petrochemical Complex on February 19.
QatarEnergy has joined hands with Chevron Phillips Chemical Company (CPChem) on the projected and created a joint venture, in which QatarEnergy will own a 70% equity share, and CPChem 30% stake.

In a few years, the Ras Laffan petrochemicals complex will help meet the rising global demand for high-density polyethylene, when the largest ethane cracker in the Middle East and one of the largest in the world begins production.
Polyethylene is used in the production of durable goods like pipe for natural gas and water delivery and recreational products such as kayaks and coolers. It is also used in packaging applications to protect and preserve food and keep medical supplies sterile.

The facility will be constructed with modern, energy-saving technology and use ethane for feedstock, which along with other measures, is expected to result in lower greenhouse gas emissions than similar global facilities.
The integrated olefins and polyethylene facility will be utilising “state-of-the -art design and technology” during its construction and operation to promote energy efficiency.

It is important to stress the unique environmental attributes of this world· scale complex. It will have lower waste and greenhouse gas emissions, when compared with similar global

facilities.

The Ras Laffan Petrochemicals Complex will be utilising “state-of-the-art design and technology” during its construction and operation to promote energy efficiency.

The world-class construction, operation, and technology standards planned at the complex are all designed to ensure energy savings, and significant reduction of emissions and hydrocarbon waste compared with similar global facilities. HE the Minister of State for Energy Affairs Saad bin Sherida al-Kaabi said: “Our two companies (Qatar Energy and Chevron Phillips Chemical Company) are making sure we buy and in1plement the best technology available to reduce emissions. In the last 20 years or so, there has been a huge leap in emissions reduction and energy use. Wherever we can recycle, we will;’ Ras Laffan Petrochemical Complex will also have multiplier effects on Qatar’s economy as it is expected to generate significant economic benefits for the country including increased tax revenue and foreign investment.