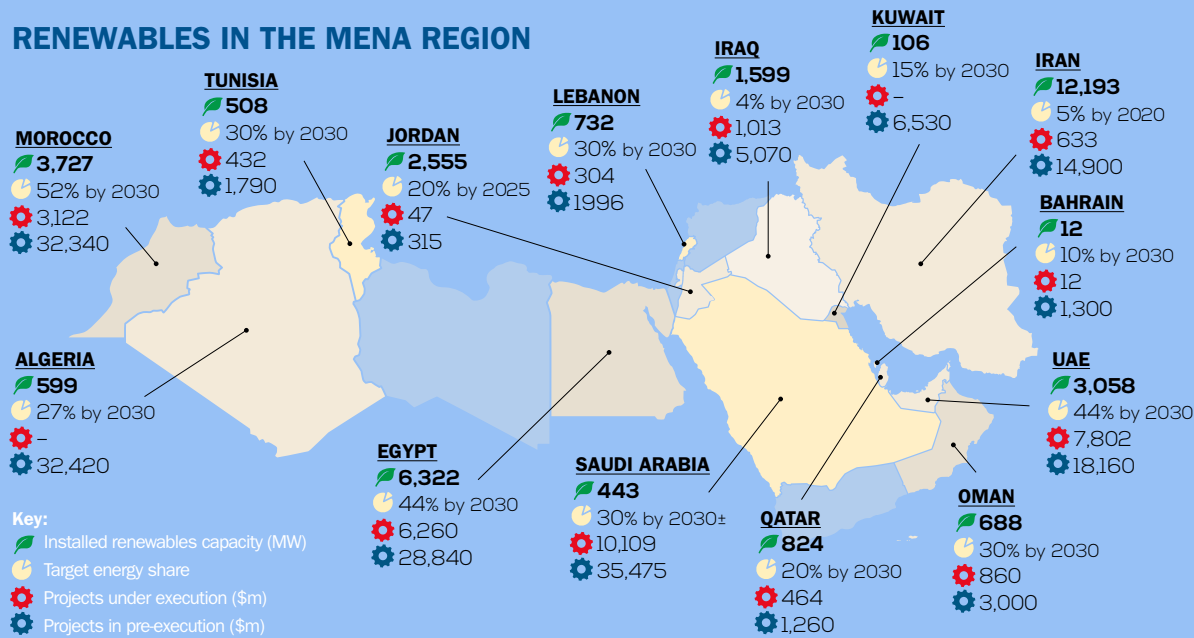


MARKET SNAPSHOT: RENEWABLE ENERGY PROJECTS

Planned and unawarded Mena renewable energy projects total \$150bn

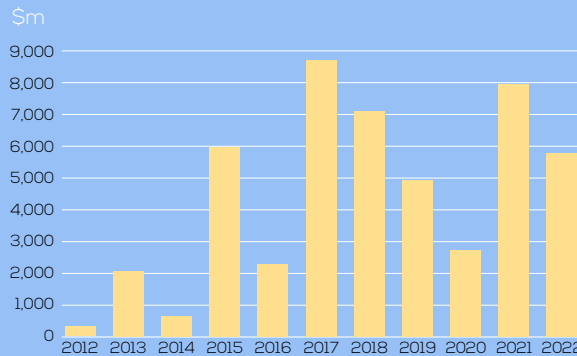
RENEWABLES IN THE MENA REGION



HISTORICAL PERFORMANCE

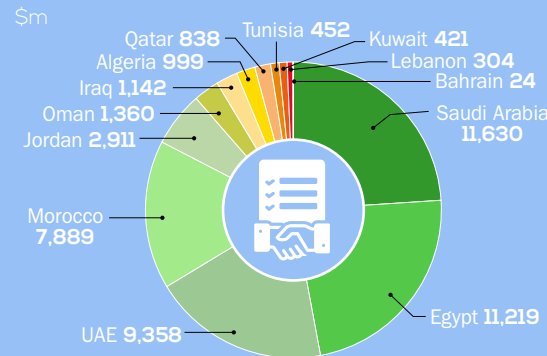
Over \$48bn-worth of renewable energy projects have been awarded in the Middle East and North Africa over the past decade, with Saudi Arabia being the biggest proponent of renewable energy in the region.

Value of renewable energy contracts awarded, 2012-22



2017 was the sector's strongest year in the past decade

Renewable energy contracts market share, 2012-22

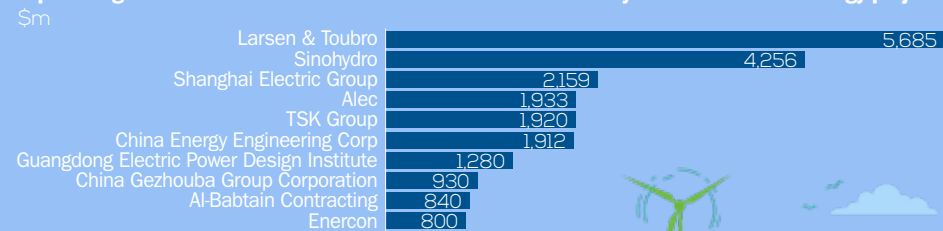


Saudi Arabia has accelerated its investment in clean energy in recent years and the trend is likely to continue in future

CONTRACTOR RANKING

India's L&T is the largest contractor for renewable energy projects followed by Chinese state-owned Sinohydro

Top 10 largest contractors in the Middle East and North Africa by active renewable energy projects



Source: MEED Projects



AL-AJBAN SOLAR PHOTOVOLTAIC IPP

The Al-Ajban solar independent power project (IPP) is set to have a design capacity of 1,500MW. Ewec has qualified 19 companies to bid for the contract to develop it. Once completed, the project is expected to generate enough electricity to power about 160,000 homes across the UAE.

Country:	UAE
Value:	\$1.1bn
Owner:	Emirates Water & Electricity Company (Ewec)
Status:	Main contract bid



SONELGAZ RENEWABLE PROGRAMME

Algeria's Sonelgaz plans to develop a 22,000MW renewable energy programme using energy sources such as solar photovoltaic, wind power, biomass energy, cogeneration and geothermal. Once realised by 2030, about 27 per cent of the country's energy production will be through renewable sources.

Country:	Algeria
Value:	\$34bn
Owner:	Societe Algerienne de Production de l'Electricite (Sonelgaz)
Status:	Main contract PQ



SAUDI NATIONAL RENEWABLE ENERGY PROGRAMME (NREP)

Saudi Arabia aims to install 27.3GW of renewable energy capacity by 2024 and 58.7GW by 2030 through the NREP. The Energy Ministry is tasked with procuring 30 per cent of this capacity through public tendering; the Public Investment Fund will procure the rest under the kingdom's Price Discovery Scheme.

Country:	Saudi Arabia
Value:	\$30bn
Owner:	Repdo, which has since been restructured, oversaw the first three rounds
Status:	Execution



GREEN ENERGY OMAN INTEGRATED GREEN FUELS PROJECT

With a capacity of up to 25GW upstream wind/solar – which equates to about 10 million tonnes a year of green ammonia – the coastal green hydrogen project will be built in four phases.

Country:	Oman
Value:	\$28bn
Owner:	Oman Oil Company (OO); InterContinental Energy (ICE); EnerTech; Shell
Status:	Feed



MOROCCO/UK POWER PROJECT

The ambitious Morocco-UK power project entails building a 10,500MW solar and wind farm in Morocco's Guelmim-Oued Noun region and sending 3,600MW a day of energy exclusively to the UK via four 3,800-kilometre HVDC cables.

Country:	Morocco
Value:	\$22bn
Owner:	Xlinks
Status:	Execution

TOP RENEWABLE ENERGY PROJECTS UNDER EXECUTION

Project	Owner	Country	Sector	Contract Value (\$m)
Neom City: green fuels: renewable energy project	NGHC	Saudi Arabia	Solar power	4,000
950MW MBR Al-Maktoum solar power plant CSP (phase 4)	Noor Energy 1	UAE	Solar power	3,866
Renewable energy programme: phase 2: Shuaibah 2 solar PV power plant	Acwa Power/PIF	Saudi Arabia	Solar power	2,560
2,400MW hydropower power plant in Attaqa	MoEE	Egypt	Hydropower	2,080
2,400MW pumped storage power plant in Attaqa	EEHC	Egypt	Hydropower	2,080
Al-Warsan waste-to-energy plant	DWMC	UAE	Waste-to-energy	1,100
2,000MW Al-Dhafra solar IPP	Ewec	UAE	Solar power	1,000
Moroccan solar plan: Noor Midelt IPP (Noor M1)	Masen	Morocco	Solar power	960

NGHC=Neom Green Hydrogen Company; MBR=Mohammed bin Rashid; CSP=Concentrated solar power; PV=Photovoltaic; PIF=Public Investment Fund; MoEE=Ministry of Electricity & Renewable Energy; EEHC=Egyptian Electricity Holding Company; DWMC=Dubai Waste Management Company; Ewec=Emirates Water & Electricity Company; IPP=Independent power producer; Masen=Morocco's Agency for Sustainable Energy