



The UAE Peaceful Nuclear Energy Program

مؤسسة الإمارات للطاقة النووية
Emirates Nuclear Energy Corporation



شركة براكه الأولى ش.م.خ
Barakah One Company PJSC



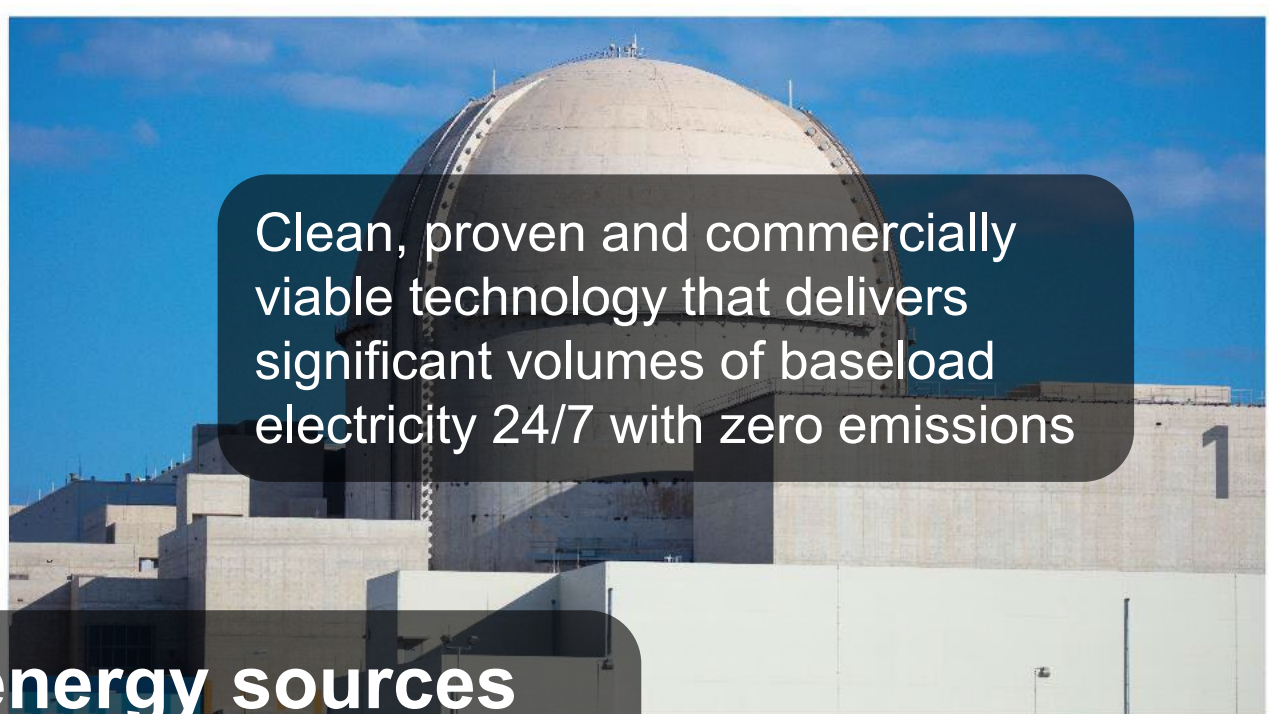
شركة نواة للطاقة
Nawah Energy Company






Generates largest share of UAE electricity today

Generates emissions but is a reliable 'transition' fuel




Clean, proven and commercially viable technology that delivers significant volumes of baseload electricity 24/7 with zero emissions

We need ALL energy sources working together in a balanced portfolio to achieve Net Zero 2050

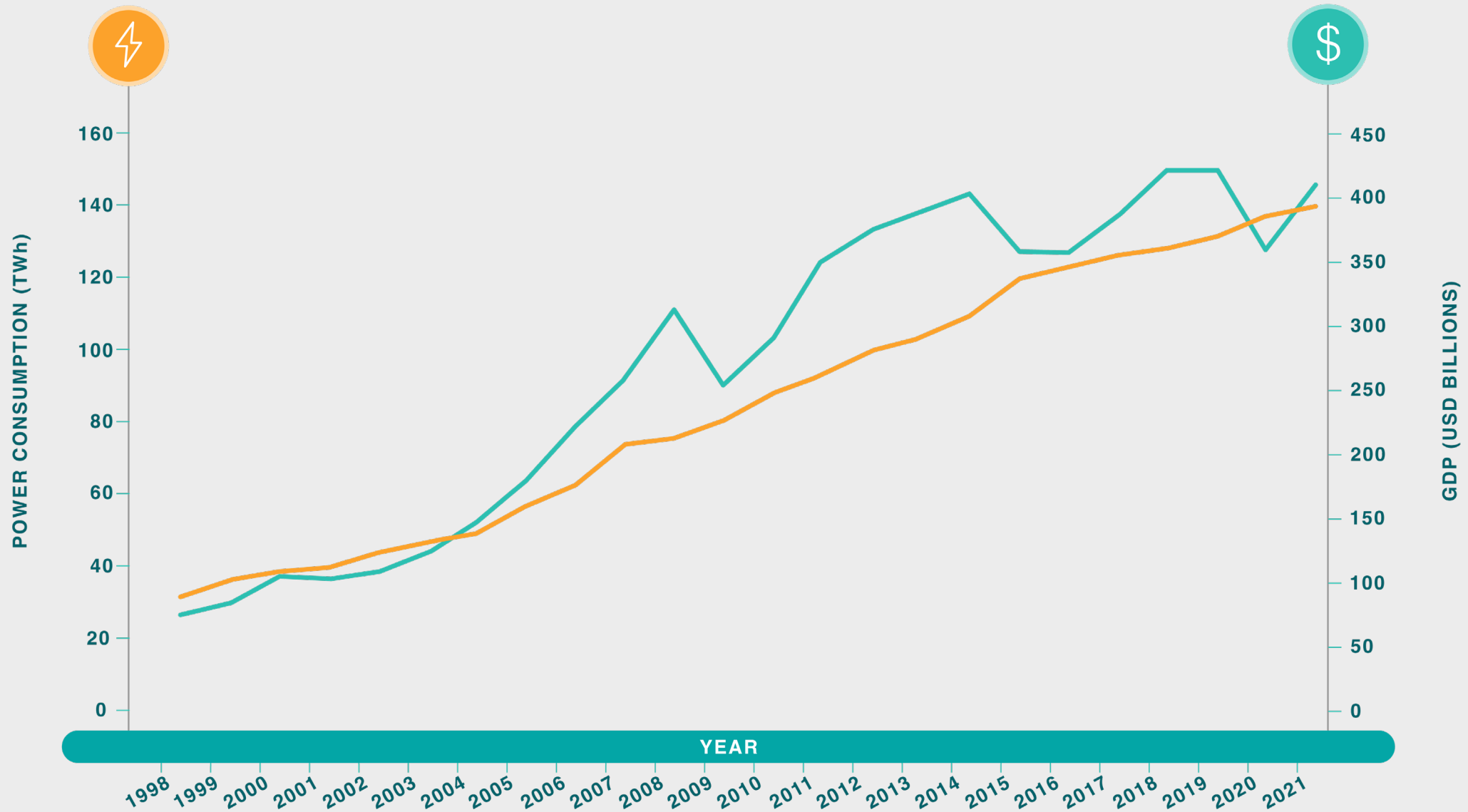


Important part of the UAE's energy mix but operates only when sunlight is available



Important technology for reductions in global greenhouse gas emissions but depends on availability of wind

UAE GDP and Power Consumption (1998-2021)





The UAE's decision
to build the first Peaceful Nuclear
Energy Plant In the Arab World

About Us

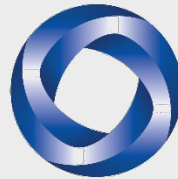
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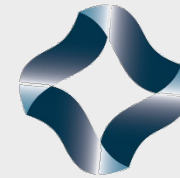
82%

18%

شركة نواة للطاقة
Nawah Energy Company

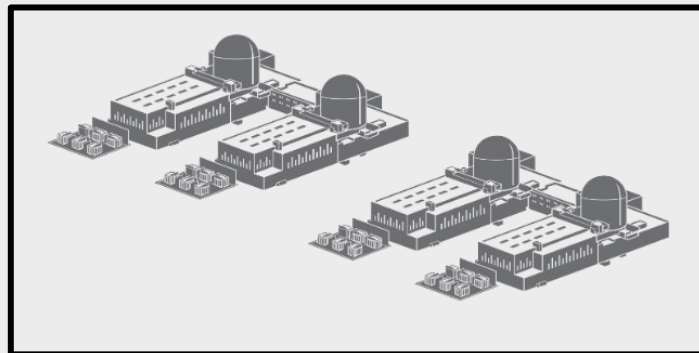


شركة براكاة الأولى ش.م.خ
Barakah One Company PJSC



Operations and
Maintenance

Manage Commercial
and Financial Interests



Overall Progress Across Units 1-4: 98%

Unit 4

94%

Unit 3

Commercially
Operational

Unit 2

Commercially
Operational

Unit 1

Commercially
Operational



Powering the UAE's Sustainable Growth

More than **AED 24.5 billion** (\$6.7 billion) of contracts awarded to UAE companies

The Barakah Plant will prevent **22.4 million tons of CO₂** = **4.8 m. cars** off the road annually.

Over **3,000** Employees at ENEC, Nawah and Barakah One. **40%** of which are under 36 years old and **20%** are female

Once the four units of the Barakah plant are operational, they will generate **5600 MW** = **25%** of the Nation's electricity demands.

The **UAE** is the first in the Arab World to produce clean electricity using peaceful nuclear energy technology.

Saving the equivalent of up to **438,000** million cubic feet of gas per year OR up to **74.8** million barrels of oil per year. Worth **\$3.94 billion** OR Worth **\$7.48 billion**

ESG Driving industrialization by supplying **85%** of the clean electricity for EWEC's Clean Energy Certification program by 2025, allowing UAE companies to access the **\$4 trillion** global ESG funding