

Commercial Operations

مؤسسة الإمارات للطاقة النووية
Emirates Nuclear Energy Corporation

شركة بركة الأولى شركة
Barakah One Company PJSC

شركة نواح للطاقة
Nawah Energy Company

The Emirates Nuclear Energy Corporation (ENEC) is leading the way in the UAE's sustainable development, contributing significantly to the UAE's carbon emissions reduction efforts using nuclear energy generated 24/7 at the Barakah Nuclear Energy Plant. It is the Arab World's first multi-unit operational plant. With two units in operation and two more to come online by 2025, the plant is the leading contributor to achieving the UAE's Net Zero by 2050 initiative.

The Barakah Plant offers a proven solution for tackling climate change and enables our modern lifestyle without impacting the environment. Barakah is a green powerhouse for the UAE's sustainable development and an agent of positive change – delivering climate change solutions today by generating clean electricity around the clock for the nation.

What is Commercial Operations?

The commissioning, start up and testing of any nuclear reactor follows tried, tested and robust procedures and processes to ensure that all activities are conducted in a safe manner. Nawah Energy Company, ENEC's JV subsidiary, in charge of operations and maintenance at Barakah, has to successfully complete the steps in these procedures and analyze the results of all tests to determine that the plant meets all national regulations and the highest international safety standards.

After the completion of the maintenance and inspections process, Nawah starts up the reactor to complete final testing. Nawah's operators then operate the plant at 100% power for a pre-determined period. At the end of this period, Nawah declares the Unit commercially operational, delivering zero carbon electricity to the UAE electricity grid 24/7.

BARAKAH PLANT

First Multi-Unit Operational Nuclear Plant in the Arab World
Delivering Clean Electricity 24/7

1ST

NUCLEAR PLANT IN THE ARAB WORLD



UAE'S LARGEST SINGLE ELECTRICITY GENERATOR



LEADING THE BIGGEST DECARBONIZATION OF ANY INDUSTRY IN THE UAE

BARAKAH PLANT

MORE THAN A DECADE OF HARD WORK BY EMIRATI-LED MULTINATIONAL TEAMS

