

تفاصيل الأخبار

```

jQuery(document).ready(function ($) { var jssor_3_SlideoTransitions = [
  [{b:-1,d:1,o:-1},{b:0,d:1000,o:1}], [{b:1900,d:2000,x:-379,e:{x:7}}],
  [{b:1900,d:2000,x:-379,e:{x:7}}], [{b:-1,d:1,o:-1,r:288,sX:9,sY:9},{b:1000,d:900,x:-1400,y:-660,o:1,
  r:-288,sX:-9,sY:-9,e:{r:6}},{b:1900,d:1600,x:-200,o:-1,e:{x:16}}] ]; var jssor_3_options = {
  $AutoPlay: true, $SlideDuration: 1600, $SlideEasing: $Jease$. $OutQuint, $CaptionSliderOptions: {
  $Class: $JssorCaptionSlideo$, $Transitions: jssor_3_SlideoTransitions }, $ArrowNavigatorOptions: {
  $Class: $JssorArrowNavigator$, $BulletNavigatorOptions: { $Class: $JssorBulletNavigator$ } }; var
  jssor_3_slider = new $JssorSlider$("jssor_3", jssor_3_options); });

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[Aramco launches Saudi Arabia's first wind turbine](#) [إعلام الأخبار](#)

[Sub Menu](#)
[Filter](#)



Aramco launches Saudi Arabia's first wind turbine

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$(document).ready(function (R) { $("#rated1 .stars").click(function () {
$.post("sites/all/themes/jegsnew/templates/rates.php",{rate:$(this).val()},function(d) { if(d>0) {
alert("You already rated this page"); } else { alert("Thanks For Rating"); } }); $(this).attr("checked");
}); }); function showInnerShareBox() { var x = document.getElementById("InnerShareBox");
x.style.display = "inline-block"; } function showInnerShareBoxDef() { var x =
document.getElementById("InnerShareBox"); x.style.display = "none"; } function showMainShare() {
var x = document.getElementById("InnerShareBox"); if (x.style.display === "none") { x.style.display
= "inline-block"; } else { x.style.display = "none"; } } function showInnerShareBox_pop() { var x =
document.getElementById("InnerShareBox_pop"); x.style.display = "inline-block"; } function
showInnerShareBoxDef_pop() { var x = document.getElementById("InnerShareBox_pop");
x.style.display = "none"; } function showMainShare_pop() { var x =
document.getElementById("InnerShareBox_pop"); if (x.style.display === "none") { x.style.display =
"inline-block"; } else { x.style.display = "none"; } }

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[مشاركة](#)



State-run Saudi Aramco has commissioned the kingdom's first wind energy turbine, developed in partnership with GE aiming to support the renewable goals of Saudi Vision 2030.

The project will power Saudi Aramco's facility in Turaif in northwestern Saudi Arabia, providing electricity directly to the bulk plant.

The commissioning event of the wind energy station was attended by Abdulkarim Ghamdi, Saudi Aramco executive director for Power Systems, Anne McEntee, vice-president and CEO GE Onshore Wind - Renewables; Ruhan Temeltas, regional leader GE Renewables; Zaher Ibrahim, CEO GE Oil & Gas, Saudi Arabia, and a number of local dignitaries and business leaders.

For several years, Saudi Aramco has invested to develop high potential sites for wind energy in Saudi Arabia. Sites across the kingdom have significant resource potential, and may generate some of the lowest cost electricity globally. Delivering new energy through renewables reduces the kingdom's greenhouse gas emissions and contributes to global climate action outlined in the Paris Climate Agreement.

Domestically, committing the kingdom to renewable energy is part of the National Transformation Plan (NTP) and Vision 2030. Through NTP, the kingdom is targeting 3.45GW of renewable energy by 2020, on the way to 9.5GW by 2023. The Ministry of Energy is leading the launch of the National Renewable Energy Program which will be phased and systemic in its pursuit of long-term goals where Saudi Aramco is a key stakeholder in this effort.

Ghamdi said: "The commissioning of the first wind turbine is the start of something new in the kingdom that Saudi Aramco is driving with our partners. Wind Turbine No. 1 in Turaif will fully meet the electricity needs for the bulk plant and even feed surplus electricity back into the national grid. Wind energy offers potential to provide new energy the kingdom's energy mix and enhance power generation efficiency, thus delivering on the core objectives of Vision 2030."

Ibrahim said: "We see the installation of this GE wind turbine in Turaif as a great demonstration of the long partnership we have with Saudi Aramco. Today is a significant occasion marking an exciting new era for the kingdom and one that we are very proud to be part of. We look forward to continuing

to work with our partners in the kingdom towards the renewables goals of Saudi Vision 2030.”

One Saudi Aramco-GE wind turbine creates enough power to supply 250 homes, can displace 19,000 barrels of oil equivalent, and generate 2.75 MW, thereby reducing demand for electricity from the national grid.

The wind turbine is connected to Turaif Bulk Plant’s electrical distribution system to help it reduce the amount of power purchased from the Saudi Electricity Company and to reduce the diesel currently consumed to supply power at the plant.

The GE 2.75-120 wind turbine has been delivered with a desert protection package specifically designed for the kingdom’s ‘hot and harsh’ conditions. The tower stands 85 m high, capturing energy by blades 120 m in diameter.

The turbine’s rotor tips reach 145 m from the ground. The turbine blades are constructed from lightweight composite materials, resembling large aerodynamic glider wings. The wind turbine project was developed by specialists from Saudi Aramco’s Power Systems, with GE selected to design, supply, and construct the demonstration project.

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Trade Arabia
عام عن المملكة

[Aramco.energy turbine.renewable goals.](#)



مواضيع ذات صلة

- 01 تأهيل 51 شركة للدخول في المنافسة على مشاريع المرحل...[المزيد من التفاصيل](#)
- 02 توقعات بإصدار المملكة صكوكاً بـ10 مليارات دولار...[المزيد من التفاصيل](#)
- 03 سفير جنوب أفريقيا يبحث في مجلس الغرف تعزيز العلاقة...[المزيد من التفاصيل](#)

خدمات

[البحث عن شريك تجاري](#)

[فرص أعمال](#)

[المناقصات](#)

[متجر C2C \(قريبا\)](#)

[المنشآت الصغيرة والمتوسطة](#)

[إستشاري](#)

[عالم الصناعة \(قريبا\)](#)

[مكتبة النماذج](#)

معلومات

[أفضل الدول الإسلامية للتجارة](#)

[التقارير والدراسات](#)

[الإحصاءات \(قريبا \)](#)

[تنمية الصادرات](#)

[الوفود التجارية](#)

[انفوغراف](#)

[دليل غرفة جدة \(قريبا \)](#)

[الدليل الصناعي](#)

[دليل المواقع](#)

أدوات

[حاسبة مصاريف إنشاء مشروع جديد](#)

[حاسبة نقطة التعادل](#)

[حاسبة التدفق النقدي المخصوم](#)

[حاسبة الميزانية العمومية](#)

[حاسبة الربح والخسارة](#)

[حاسبة الميزانية الشخصية](#)

[حاسبة المدخرات الشخصية](#)

الدعم

[سؤال وجواب](#)

[اتصل بنا](#)

إعلام

[الاخبار الاقتصادية](#)

[المناسبات الاقتصادية](#)

[الوفود التجاري](#)

[نصائح اقتصادية](#)

[مقالات اقتصادية](#)

[مكتبة الصور](#)

قطاعات الاعمال

التجارة

[مكتبة الفيديو](#)

[النشرة الاخبارية](#)

اللغات

[English](#)

[العربية](#)

عن البوابة

[من نحن](#)

[المصادر](#)

[الجوائز](#)

[سياسة الخصوصية](#)

[الشروط والاحكام](#)

[نظام الاعلانات](#)



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