

How TEC is powering Tuvalu with renewable resources?

TEC has set a vision of "Powering Tuvalu with Renewable Resources" and this align well with the Tuvalu Government set target of 100% renewable energy by 2025. All the islands of Tuvalu are on 24/7 power supply and the access rate is 100%. The outer islands are powered by hybrid solar PV system with diesel generator on standby.

What does Cegelec stand for?

Cegelec or Actemium is a French engineering company specialized in electrical infrastructure, HVAC, information technology, nuclear energy development, transport infrastructure, robotics and offering both public and private services.

Where does Tuvalu electricity come from?

Tuvalu's power has come from electricity generation facilities that use imported diesel brought in by ships. The Tuvalu Electricity Corporation (TEC) on the main island of Funafuti operates the large power station (2000 kW).

What is the Tuvalu solar power project?

The Government of Tuvalu worked with the e8 group to develop the Tuvalu Solar Power Project, which is a 40 kW grid-connected solar system that is intended to provide about 5% of Funafuti's peak demand, and 3% of the Tuvalu Electricity Corporation's annual household consumption.

Where is Cegelec made?

From the 2010 Cegelec Financial Report, 58.1% of Cegelec's total sales were made within France, the country which contains the highest diversity of Cegelec's operations, hosting their nuclear, marine, defense and the largest amount of electrical engineering/transport sub-companies.

How did Cegelec become involved?

Cegelec became involved on account of their engineering and safety system services, with one such assignment from the Abu Dhabi Gas Industries Limited contracting them to "design, supply and install new integrated control systems (ICS) for the gas liquefaction plants of Bab and Adab".



In recent years the ever increasing demand for electricity combined with the increasing fuel price has further the need for TEC to continue its vision to provide 100% of its energy demand via renewable sources by 2015. The Master Plan ???



Tuvalu: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key ???



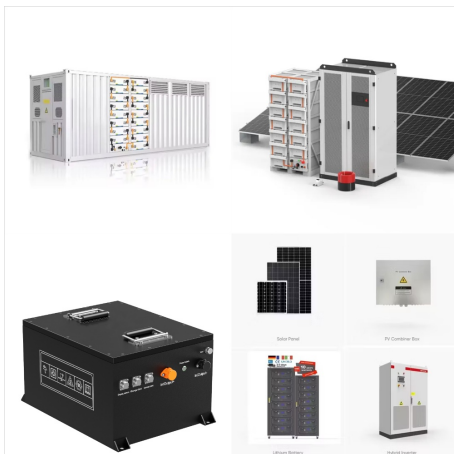
Tuvalu: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.



The vocation of the Vinci Energies division, which Cegelec is a member, is to be expert in each of its technological chosen fields ??? electrical energy, climate and thermal engineering, mechanics, information and communication technologies ???



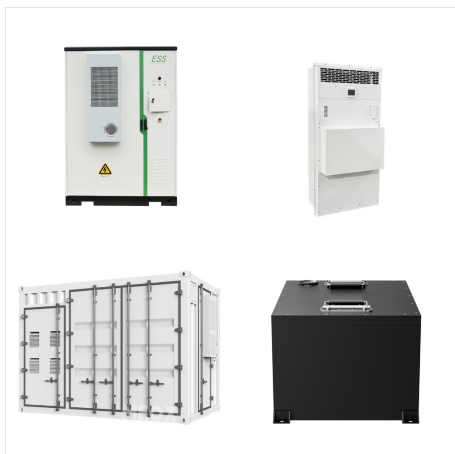
Target: Achieve 100% renewable electricity and increase energy efficiency by 30%, by 2020; Status: In progress; RES: Solar photovoltaics, and biogas from pig manure. Implementation: In 2009, the government of ???



Cegelec CSS has joined the network of the Omexom brand which provides us with special assets such as: Strong partnership with high added value; Association of internal skills in the Omexom network; Local and international presence with expert entities of Omexom; International networking within Vinci Energy



developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided



A sole provider of electricity services to the rest of the Tuvalu. TEC has set a vision of "Powering Tuvalu with Renewable Resources" and this align well with the Tuvalu Government set target of 100% renewable energy by 2025. All the islands of Tuvalu are on 24/7 power supply and the access rate is 100%.



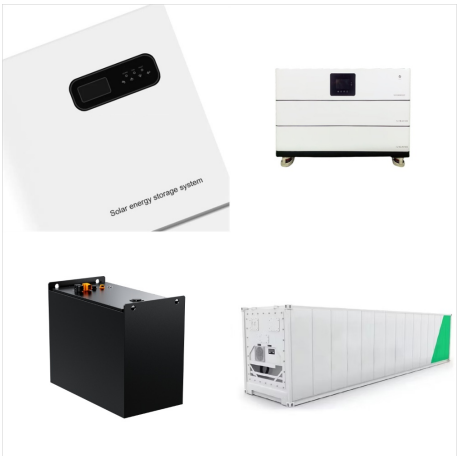
The Tuvalu Solar Power Project Decreasing reliance on fuel and enhancing renewable energy-based electrification in the small island state of Tuvalu. E8 funded project. The E8 comprises of 10 leading electricity companies from the G8 countries promoting sustainable energy development through electricity sector projects and human capacity building



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Renewable energy in Tuvalu is a growing sector of the country's energy supply. Tuvalu has committed to sourcing 100% of its electricity from renewable energy. This is considered possible because of the small size of the population of Tuvalu and its abundant solar energy resources due to its tropical location.



OverviewHistoryOrganisationGeographic Areas of InfluenceScientific AchievementsExternal links





Target: Achieve 100% renewable electricity and increase energy efficiency by 30%, by 2020; Status: In progress; RES: Solar photovoltaics, and biogas from pig manure. Implementation: In 2009, the government of Tuvalu adopted the National Energy Policy (NEP) setting out its 100% target. The National Energy Policy includes a mechanism which is



In recent years the ever increasing demand for electricity combined with the increasing fuel price has further the need for TEC to continue its vision to provide 100% of its energy demand via renewable sources by 2015. The Master Plan has identified for TEC to use matured and proven technology as identified in the implementation Principles:



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