



# Success **STORY**



**Country:** France

**Customer:** TAC EDF Brennilis / Dirinon (29)

**Products:** Power monitors / Digital panel meters  
Synchrocouplers

## Electrical energy production

### Renovation of the electrical cabinets in two combustion-turbine production units



TAC EDF Power Plant at Brennilis (Finistère, France)



#### Customer

EDF's CETAC combustion turbine operating center groups 13 electricity production units spread over 6 sites in France, including two in Finistère in Brittany: Brennilis and Dirinon. These thermal power stations can produce electricity quickly, flexibly and responsively. They represent an effective means of dealing with consumption variations while fostering the development of renewable energy by supplying energy when there is no sunshine or wind. This helps to maintain the balance between production and consumption.

#### Goals

A major national renovation plan for existing installations has been launched with an investment budget of more than € 450 million (including € 8 million for the Brennilis and Dirinon sites). This has two main goals:

- To improve the performance of the combustion turbines by modernizing the measurement and metering systems in the electrical cabinets
- To extend the life span of the power plants by renovating the control/command cabinets on the two production sites in Brittany

#### Enerdis solution

Enerdis set up a reliable, long-term measurement solution to modernize the installations:

- The analog panel meters have been replaced with **ENERIUM power monitors**. All the **information** is centralized on **a single screen**. The measured **data** and the **behaviour of the electrical quantities** are **stored**
- With **C.A 2150 digital panel meters**, the display is more **accurate** and **easier to read**, with the quantities displayed in real time
- The **SYNCHROCOUPLER** use to automate synchronization of the networked alternators is much **easier and more comfortable to read** than the previous generation of synchrosopes