



Rance tidal power plant



Hydroelectricity, the number 1 renewable energy, is produced here thanks to the highest tides in Europe.

2nd most powerful tidal power plant in the world

With 240 MW of installed power, this site represents 10% of the electricity produced in Brittany and allows electricity supply to 225,000 people per year.



Plant: 390m long | 33m wide | 24 electricity generator sets of 10 MW each.

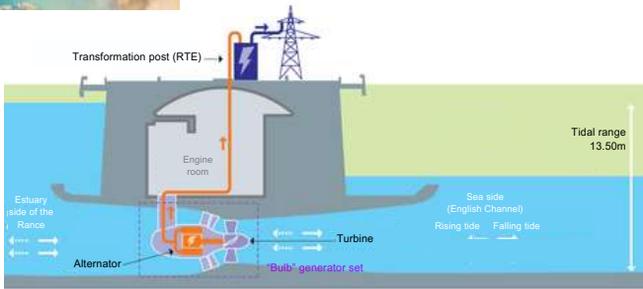
Dam: 115m long | 6 gates (10m high - 15m wide).

Lock: 65m long | 13m wide | 15,000 boats per year.

How does it work?

The operation of the plant depends on the difference in water height on each side of the dam.

Each day, the sea level rises and falls twice. This variation in sea level is used to produce electricity.



This plant is the only one in the world to produce when the tide falls and when it rises.

VISIT

Guided tour

Learn how electricity is produced with the sea.
45 min



SCAN ME

EXPLORE

Virtual tour

Walk through the tidal power plant on tour mobile.



SCAN ME

LISTEN

Podcast

Sound immersion guaranteed thanks to this report.
15 min



SCAN ME

PLAY

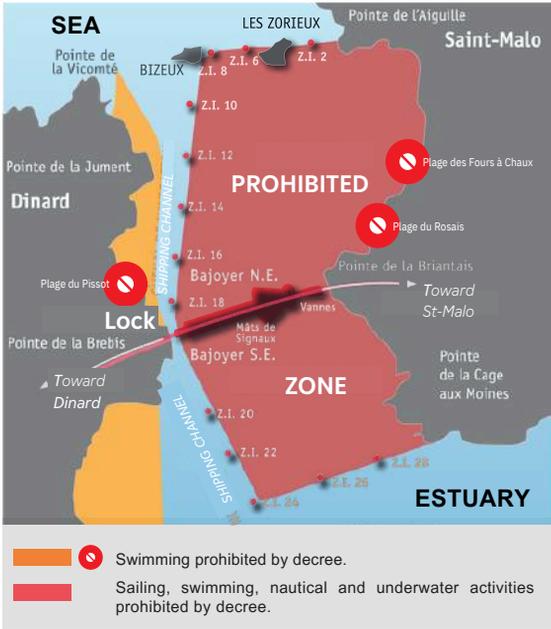
Treasure hunt

Application to download from Google Play and App Store
45 min



SCAN ME

Carry out your activities in full safety around the dam



The normal operation of the Rance tidal power plant generates very strong currents on the estuary side and the sea side. They can endanger sailors, swimmers, water sports enthusiasts and shore fishers.



[VIDEO]
Understand the risks in 2 minutes.

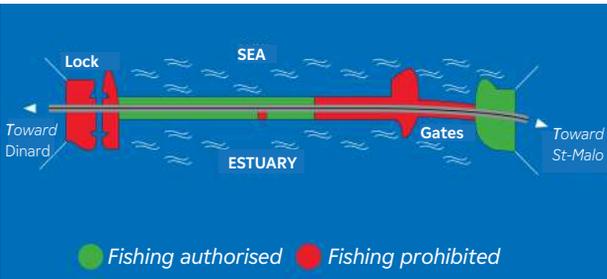


For your safety, a zone where sailing, nautical and underwater activities and swimming has been established on both sides of the site. It is demarcated by red buoys. It is prohibited to enter it. Any intrusion is punishable by a fine.

Fishing on the top of the Rance dam

Line fishing is possible on the Rance dam.

A prefectural decree defines the authorised areas.



Fishing through the grilles is prohibited.

Near the Rance tidal power plant
BE CAREFUL BY THE WATER...

