

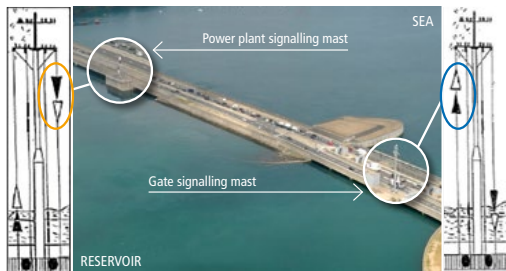
A prefectural maritime order in 30 march 2016 created a 'Prohibited area' for water users, swimming and nautical and subaquatic activities. The area is marked on both sides of the barrage with red markers. EDF reminds all La Rance users (the public, fishers, boaters, etc.) to take extreme care as a result of these currents and to obey all signs for their own safety.

Entry to the 'Prohibited area' on either side of the power plant is strictly forbidden for your safety and security.

**WATCH OUT**  
for UNEXPECTED TIDAL AND FLUVIAL MOVEMENT in the Rance estuary caused by the WORKINGS OF THE UNITS AND SLUICES.  
**BE CAREFUL**



- **PROHIBITED AREA** for water users, swimming, and nautical and subaquatic activities by order of the prefect
- **PROHIBITED AREA** for bathing by order of the prefect



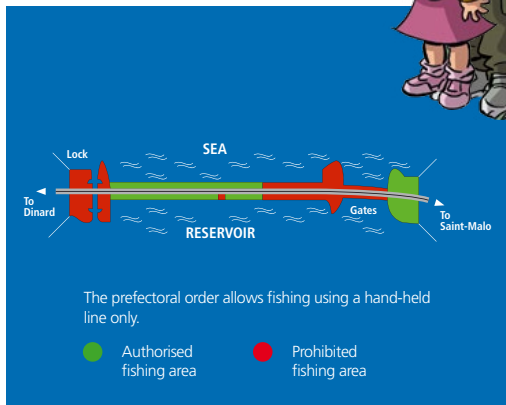
### HOW TO READ THE SIGNALLING MASTS?

Look at the 2 cones at the top of the mast:

- › Cones pointing **down** on at least one of the masts: **the estuary is draining.**
- › Cones pointing **up** on at least one of the masts: **the estuary is filling.**
- › No cones at the top of both masts: **plant shut down and gates shut.**

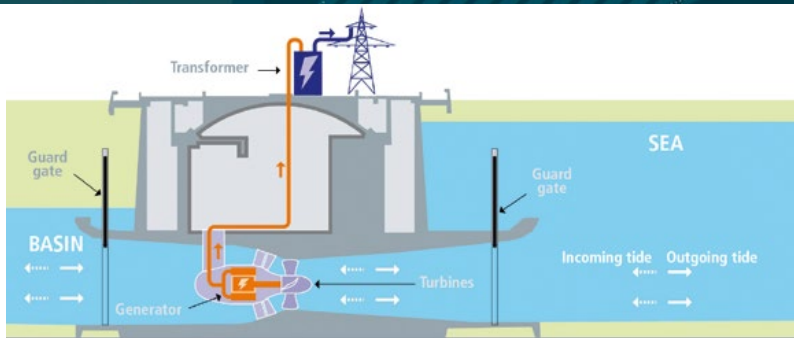


**FISHING THROUGH THE TURBINE HATCHES IS FORBIDDEN BY PREFECTURAL ORDER (12 APRIL 2005).**



## HOW THE TIDAL POWER PLANT WORKS

**Twice every day, the tide rises and falls.** This variation in sea level can be used to generate electricity. La Rance tidal power plant has turbines and generators which can operate in both directions, when the tide rises and when it falls.



### The entire facility, measuring 750 m overall, includes:

- A lock allowing navigation between the basin and the sea, 65 m long and 13 m wide, allowing 20,000 boats to pass every year;
- A major road between Dinard and Saint-Malo which is used by an average of 30,000 vehicles a day, with up to 60,000 in summer;
- A power station, 390 m long and 33 m wide, with 24 'Bulb' units of 10 MW each;
- A 115-m long mobile barrage, equipped with 6 gates, 10 m high and 15 m wide;
- A basin on the upstream side which can hold 184,000,000 m<sup>3</sup> of water.

Come and find out about La Rance tidal power plant, how it works, its history and its environment in the discovery centre. **Free entry; guided tours are available (booking required).**

**Access for people with reduced mobility.**

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