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# Status of the ITER Project

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# The Mission

- Up to steady state fusion power production.
- Plasma makes 10x more power than needed to run it.
- Optimise plasma behaviour.
- Have dimensions comparable to a power station.
- Produce about 500 MW of fusion power.
- Demonstrate or develop all the new technologies required for fusion power stations, except materials endurance.
- Obtain license for construction and operation.
- Operate for about 20 years.
- Cost about €5bn to construct (over 9 years) and €5bn to operate (about 20 years) and decommission.



Cadarache Site



The ITER building