iter
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ITER ORGANIZATION
CONSTRUCTION UNDERWAY

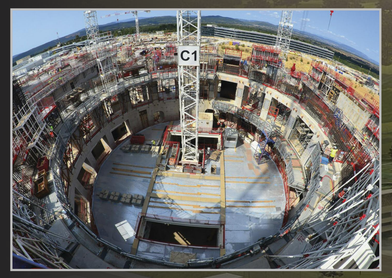
The ITER Organization entered an important phase of its history in August 2010, when construction began on the first of 39 buildings and technical areas of the ITER scientific installation. Today, work is accelerating on the walls of the Tokamak Complex and on the auxiliary buildings that will house the many systems required for machine operation (power supply, cryogenics, cooling water . . .). As part of its in-kind contribution to the ITER Project, Europe is financing and supervising the construction of nearly all buildings.

KEY

- A ITER HEADQUARTERS
- B CONTROL ROOM
- C COOLING TOWERS
- D HOT CELL
- E TOKAMAK BUILDING
- F NEUTRAL BEAM HIGH VOLTAGE POWER SUPPLY
- G ASSEMBLY BUILDING
- H MAGNET POWER CONVERSION
- I CRYOPLANT
- J COIL WINDING FACILITY
- K RADIO FREQUENCY BUILDING

The Cryostat Workshop (not represented on the site plan at right, but situated between G and J) houses the assembly activities for one of ITER's largest components – the stainless steel cryostat, which will completely enclose the vacuum vessel and superconducting magnets.

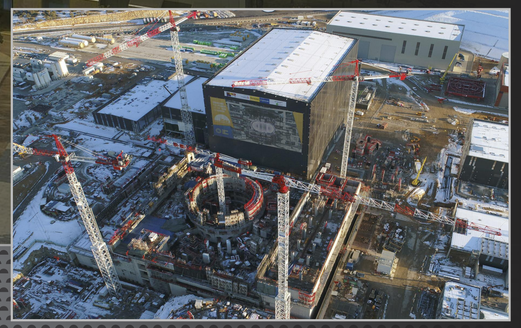
In this on-site manufacturing facility (J), Europe is carrying out the winding and assembly operations for four of ITER's large ring-shaped magnets, the poloidal field coils.



The ITER fusion experiments will be housed in the Tokamak Complex (E). The seismic isolation system and the foundations for the building are in place and work is underway on the seven-storey structure. Machine assembly starts in 2018.

Power sources for ITER's electron cyclotron and ion cyclotron heating systems will be housed in this three-floor facility, the Radio Frequency Building (K).

ITER Headquarters (A) is nestled up against the northern corner of the ITER platform, with a direct passageway to the Control Room (B) for machine operators.



Pre-assembly activities for the largest machine components will be carried out in the Assembly Hall (G), before the components are transferred by overhead crane to the Tokamak assembly area (E).

THE ITER PROJECT IS CURRENTLY UNDER CONSTRUCTION IN SOUTHERN FRANCE, ON A SITE 75 KM NORTH OF MARSEILLE.

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