

# 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.



The Cryostat Workshop (not represented at right) will house the pre-assembly of one of ITER's largest components – the stainless steel cryostat, which will completely enclose the vacuum vessel and superconducting magnets.



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 basement levels of the seven-storey structure.



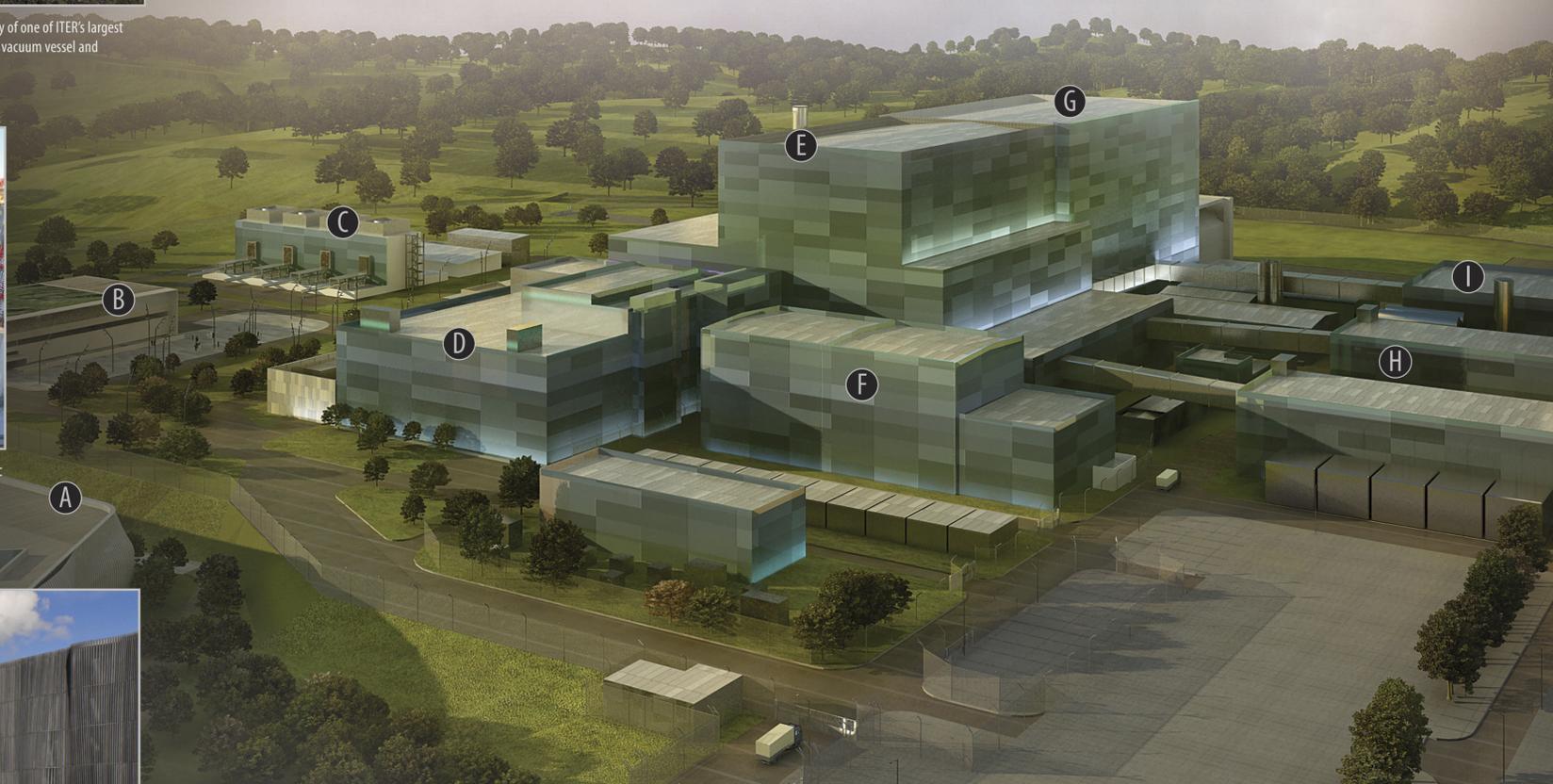
ITER Headquarters (A) is nestled up against the northern corner of the ITER platform, with a direct passageway to the Control Room (B) for machine operators.

## 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



The Poloidal Field Coils Winding Facility (J) was the first completed building on site. Here, four of ITER's large ring-shaped magnets, the poloidal field coils, will be manufactured.



The ITER installation will be serviced by a 400 kV power line and switchyard, installed by France. The transformers pictured will "bring down" the voltage to 66 kV and 22 kV for distribution to the various ITER plant systems.



The Assembly Building (G) will house pre-assembly activities for the largest ITER components, prior to their installation in the Tokamak Pit.

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