



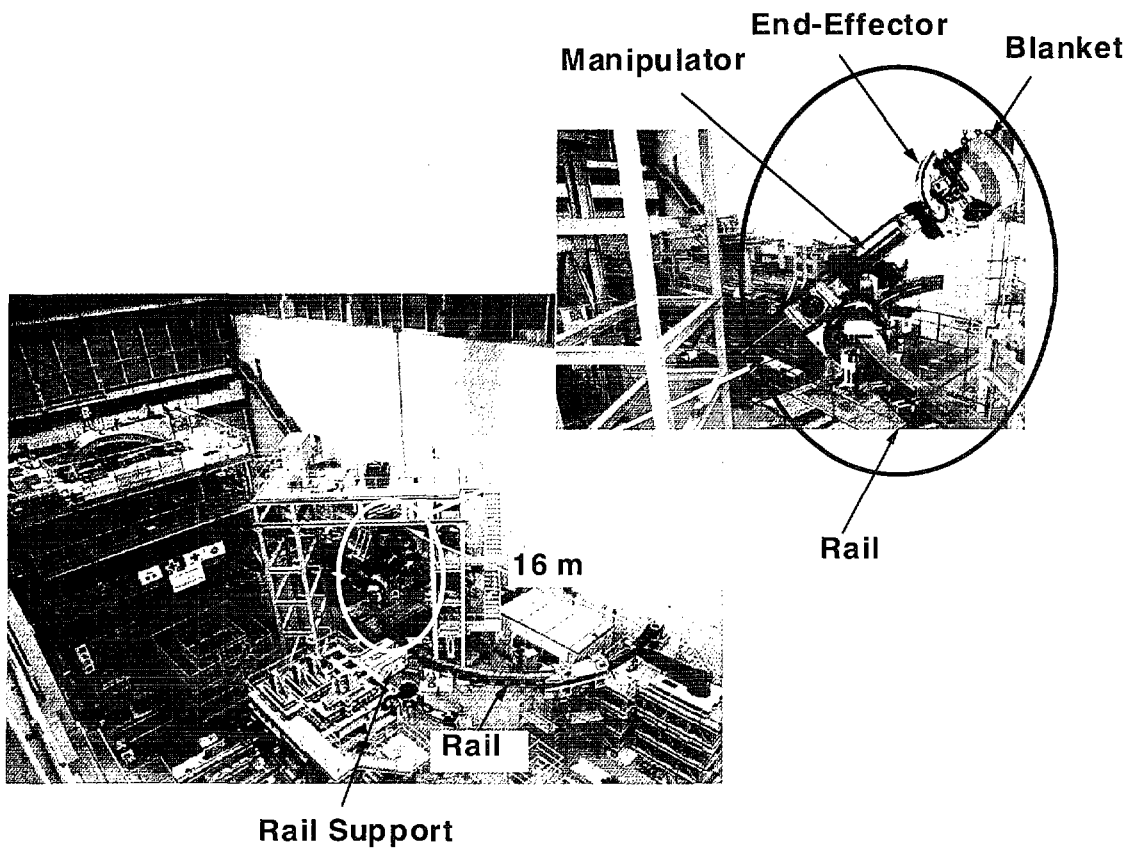
### ITER L-6 Large Project “Blanket Remote Handling and Maintenance”

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The main objective of the blanket module remote handling project is to develop and demonstrate the ability to remotely maintain blanket modules, including manipulating a 4 t module at a distance of 6 m with an accuracy of ± 2 mm. A rail-mounted vehicle system has been developed to handle the heavy blanket module within the limited space and with the required precision.

The basic performance tests of the full scale model were successfully completed in 1998 on the Blanket Test Platform (BTP) constructed at Tokai JAERI. The test platform comprises the module handling equipment, auxiliary remote handling tools and a blanket mock-up structure to reproduce the physical environment of a 180° ITER in-vessel region. A suppression control technique to reduce dynamic deflection and vibration of the arm to negligible levels has subsequently been developed and successfully tested.

### Blanket Remote Handling Test Platform and Full-Scale Manipulator



Items to be considered for inclusion in the ITER Newsletter should be submitted to B. Kuvshinnikov, ITER Office, IAEA, Wagramer .Strasse 5, P.O. Box 100, A-1400 Vienna, Austria, or Facsimile: +43 1 2633832, or e-mail: c.basaldella@iaea.org (phone +43 1 260026392).

Printed by the IAEA in Austria  
October 2000