



LINEAR COLLIDER COLLABORATION

Designing the world's next great particle accelerator

Change Management Board Meeting

V Kuchler

23 January, 2015



Overview

- **Current Status**
- **General Outlook for Team Discussion**



CR-3 Implementation Plan

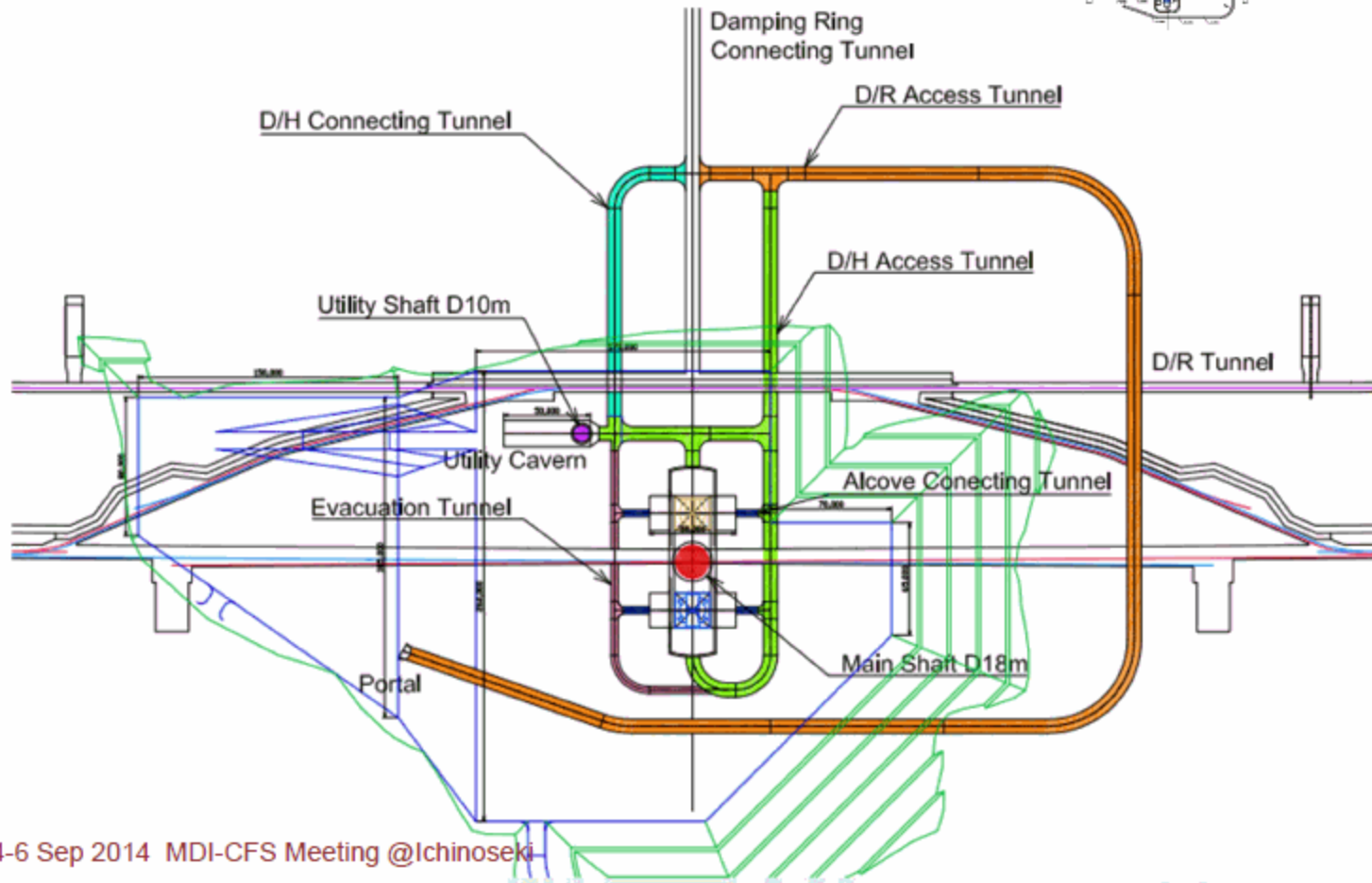
- **Implementation Team Named by CMB**
 - V Kuchler, K Buesser, T Markewicz, M Miyahara, J List, B List,
- **There are Complicating Factors**
 - TDR Contains Existing Drawings, Text and Cost Estimates
 - The Scope of CR-3 Includes a Change in the Detector Hall Design and Access as Well as a Change of Location
 - The Site has not yet Been “Officially Selected” by the Japanese Government as the Host Site
 - The Current Design will be Subject to More Changes Before a Complete Site Specific Design is Completed
 - The Change in the Detector Hall Location Will Affect One of More of the Horizontal Access Entry Locations and Overall Tunnel Lengths
 - How to Properly Document the Effect of the Approved Change is the Challenge at Hand



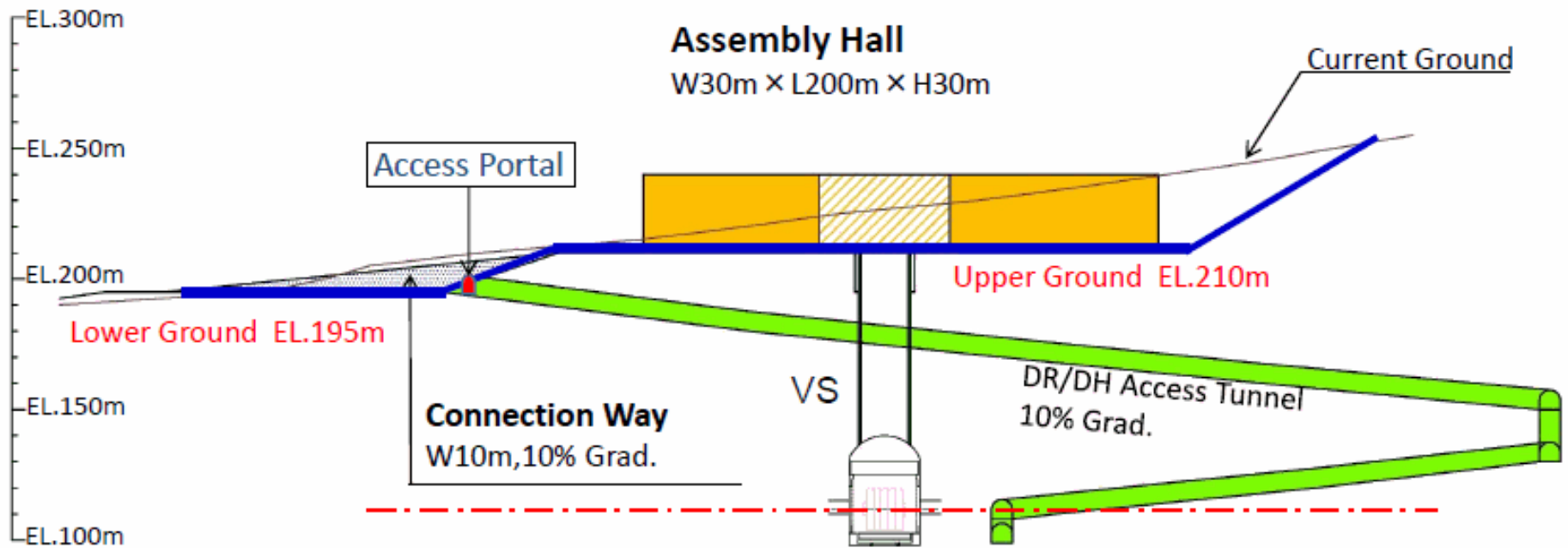
CR-3 Implementation Plan cont.

- **There has not yet Been a Formal Meeting Due to the Holiday Season**
- **Several Members of the CIT did Attend the SiD Collaboration/MDI Meeting Last Week at SLAC**
- **Discussion Identified Several Issues (some detector oriented and some CFS)**
 - **Verify Optimal Height of Detector Hall**
 - **Conceptual Design for PACMAN to Insure Adequacy of 40T Crane**
 - **Verify Height of Crane Bridge over Beamline (50 G at 18 M)**
 - **Review Using 18 M Shaft for Utilities**
 - **Determine Access Requirements for Personnel Access**
 - **Requirements for Surface Workshops**
 - **Develop Layout for QF1 at Tunnel Entrance w/r to PACMAN**
 - **Specify Truck Routes Into Assembly Building at Surface**
 - **Study Requirements for Site Office Space vs Central Campus**

Hybrid-A' General layout

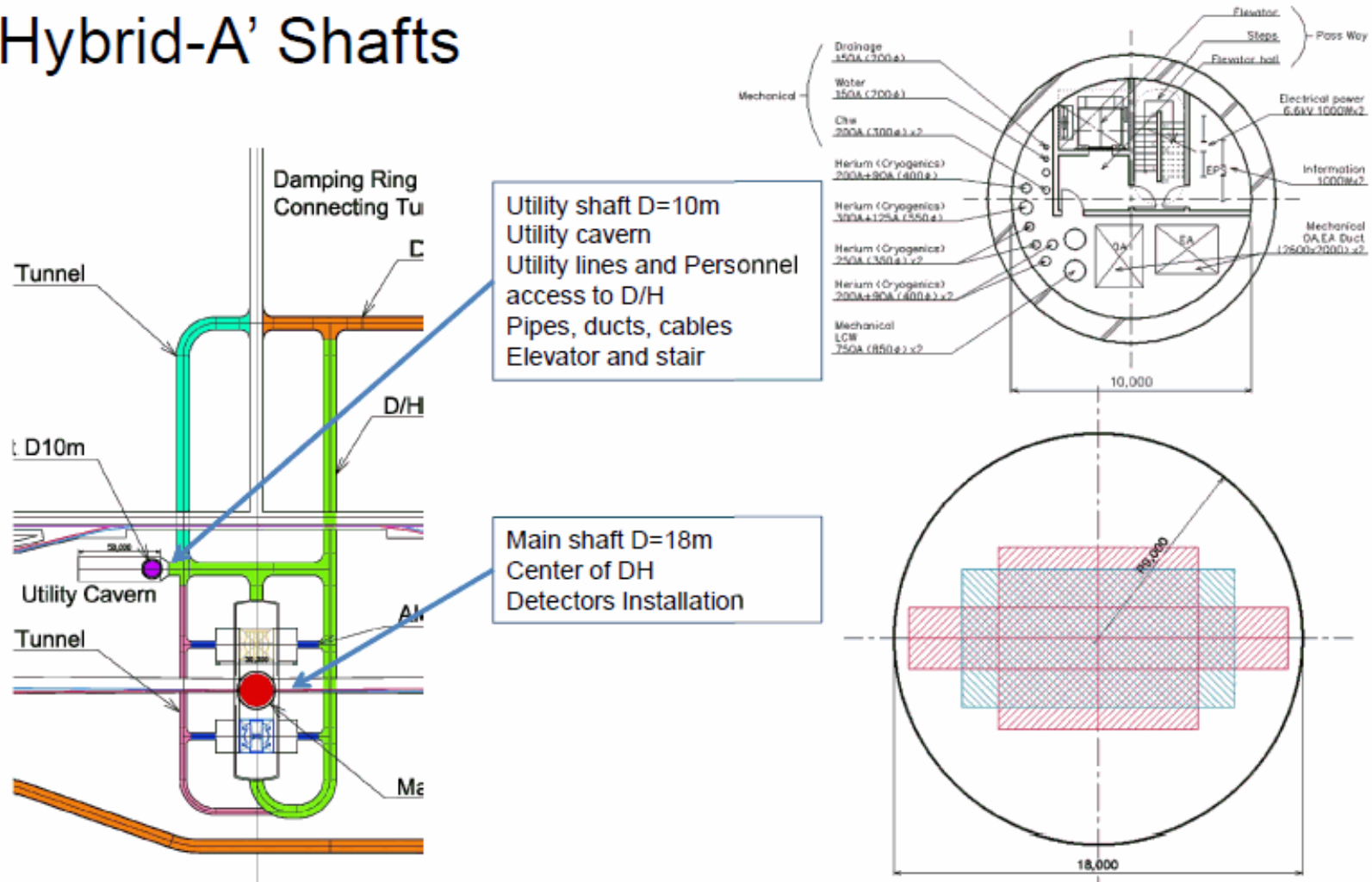


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Longitudinal section

Hybrid-A' Shafts

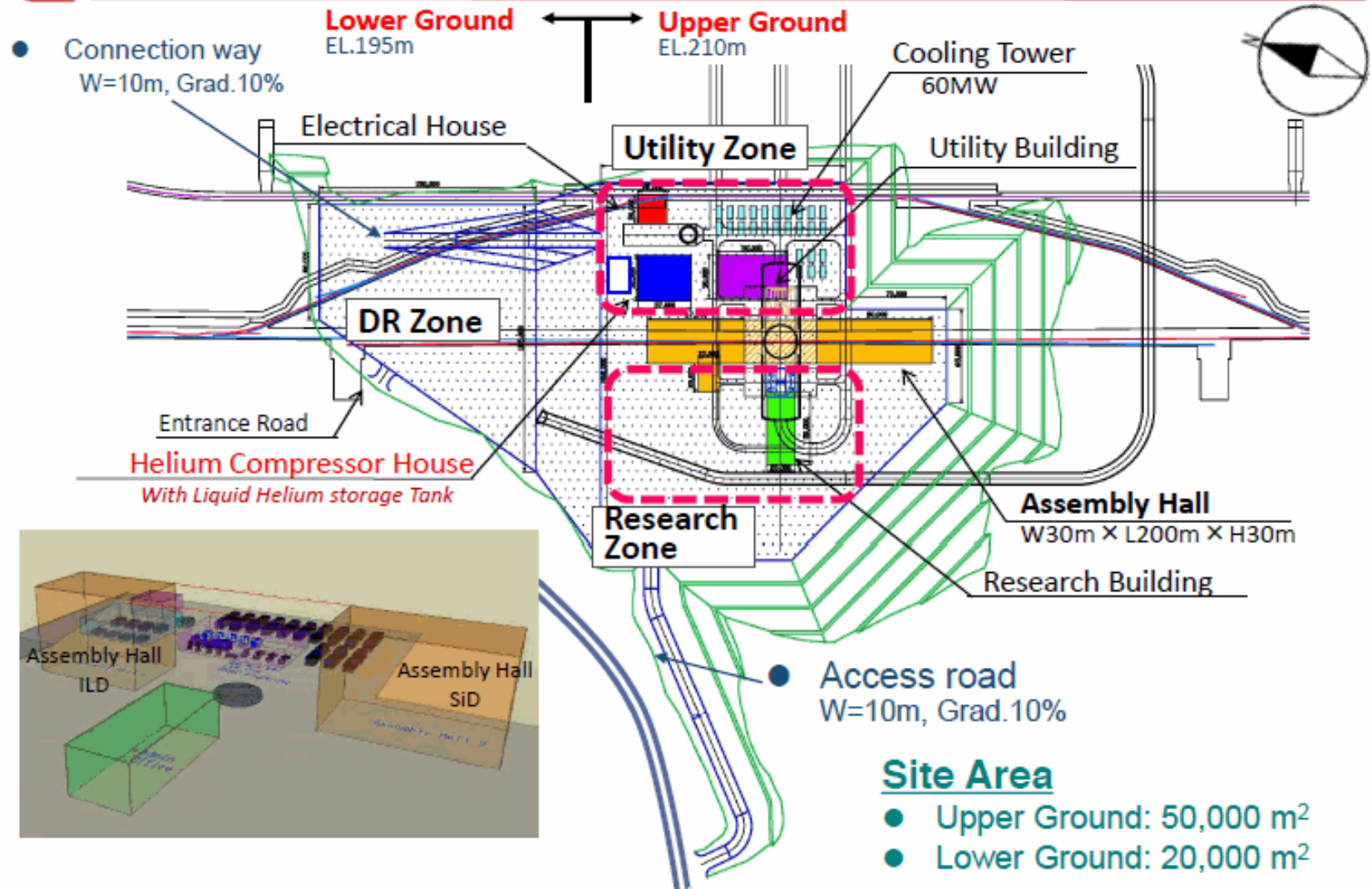


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Facility Arrangement Plan





CR-3 Implementation Plan cont.

- **The Focus will be to Limit the Effort to the Detector Hall Area and Affected Horizontal Access Tunnels**
- **B List has Put Together a List of Affected Existing Documents**
- **These will Be Reviewed and an Evaluation of the Scope and Resources Needed will be Developed**
- **This is the First Change Request that has been Approved So We are Developing a Process**
- **A Method to Capture the Correct Amount of Documentation in EDMS will be Developed**