



Status of

AIM

Alternative Installation Method

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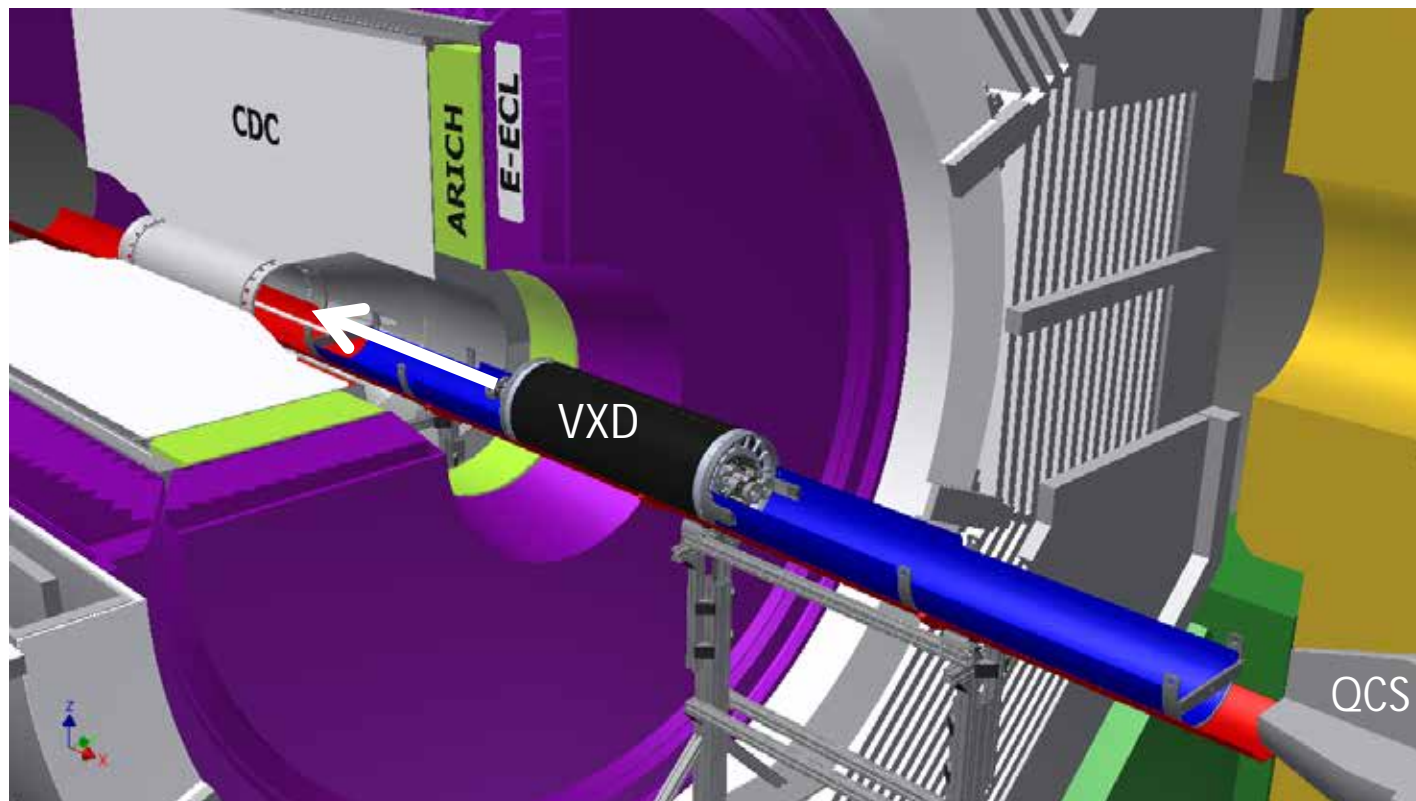


1. **AIM** (Alternative Installation Method)
2. **VXD Fixing** on fwd side
3. **EDI** (Emergency De-Installation Method)
4. **Why AIM**
5. **Next steps**



1. AIM (Alternative Installation Method)

VXD has to be moved to the final position





VXD-Installation Movie

fwd

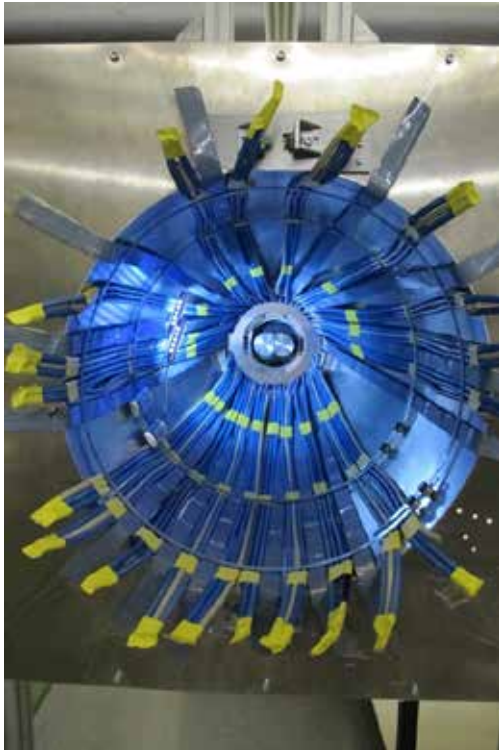


bwd





1. AIM (Alternative Installation Methode)



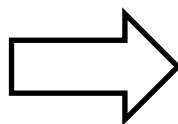
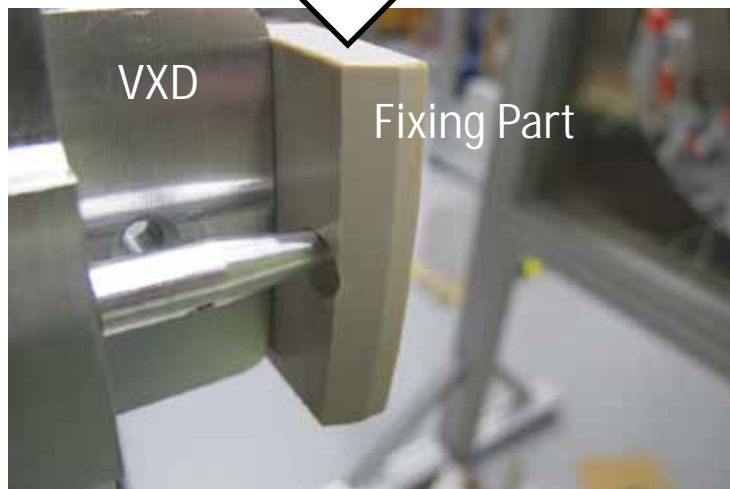
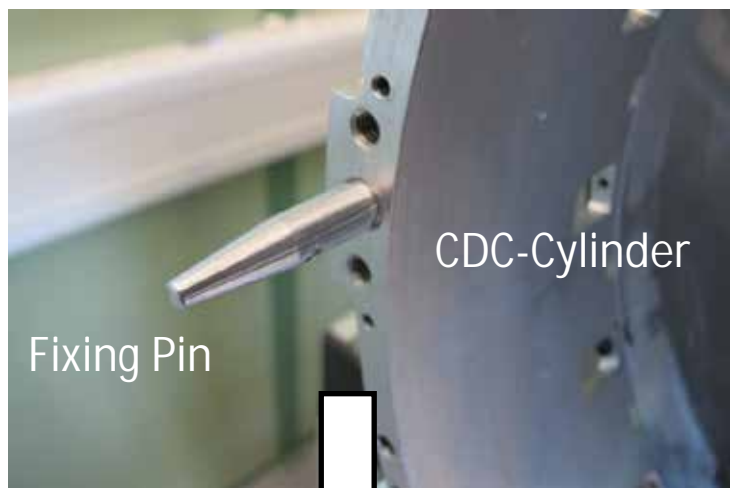
Cable Installation fwd



QCS installation fwd



2. VXD Fixing on fwd side





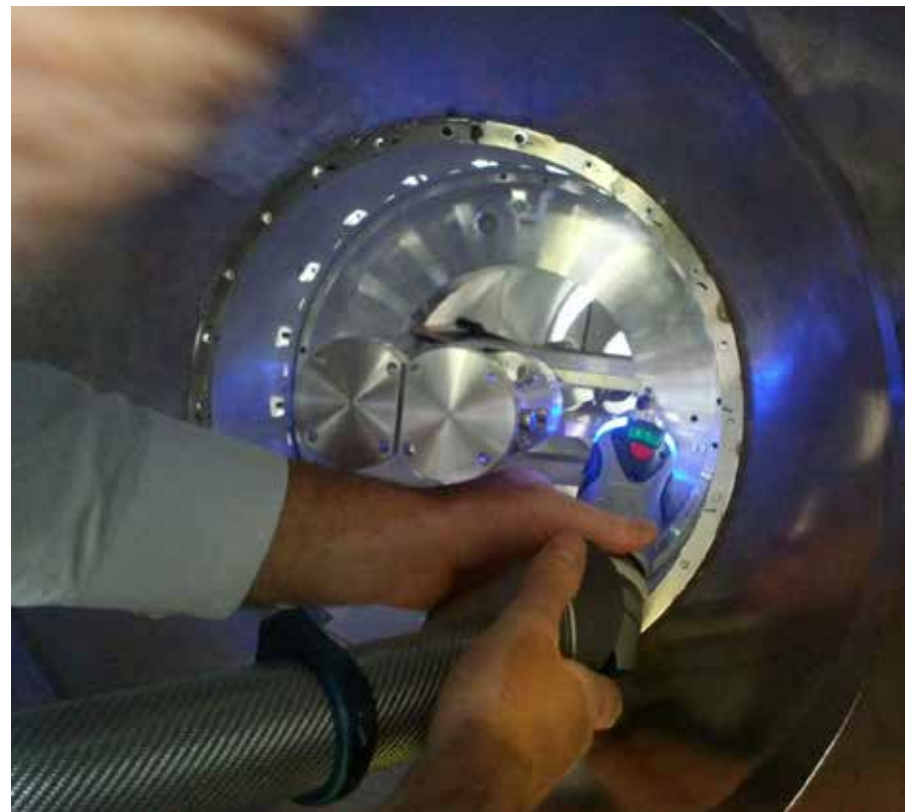
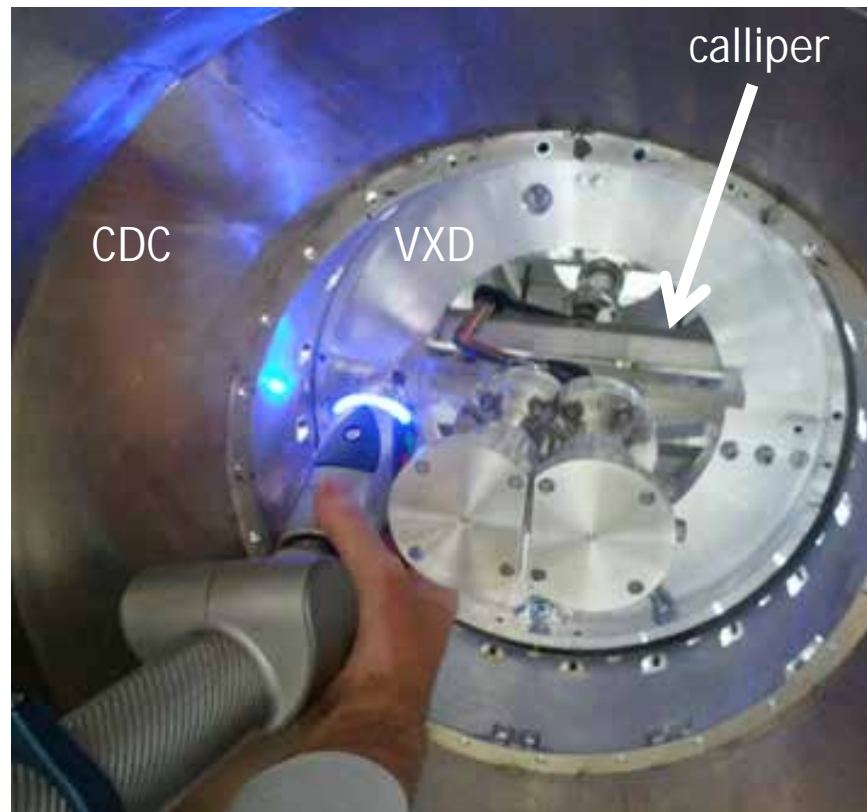
2. VXD Fixing on fwd side

Measure VXD-Position with
measurement arm





2. VXD Fixing on fwd side



Real Size (calliper): 200mm

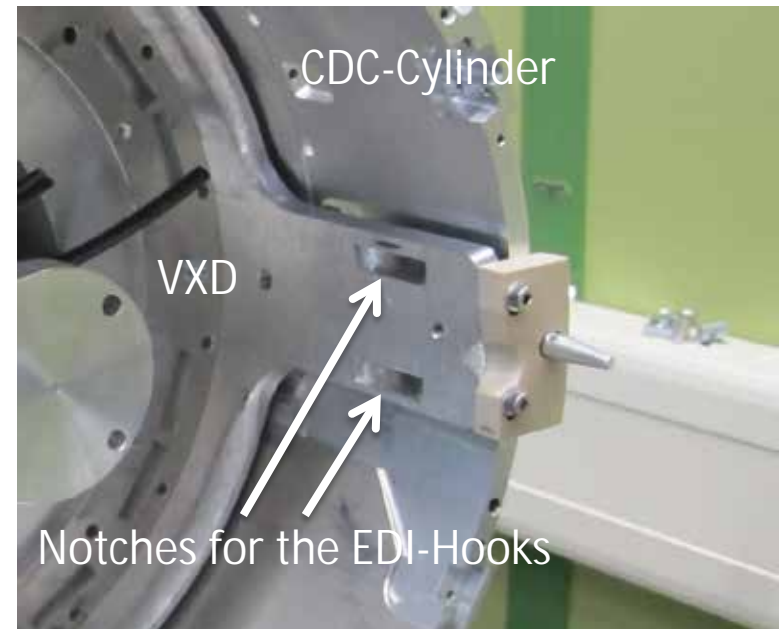
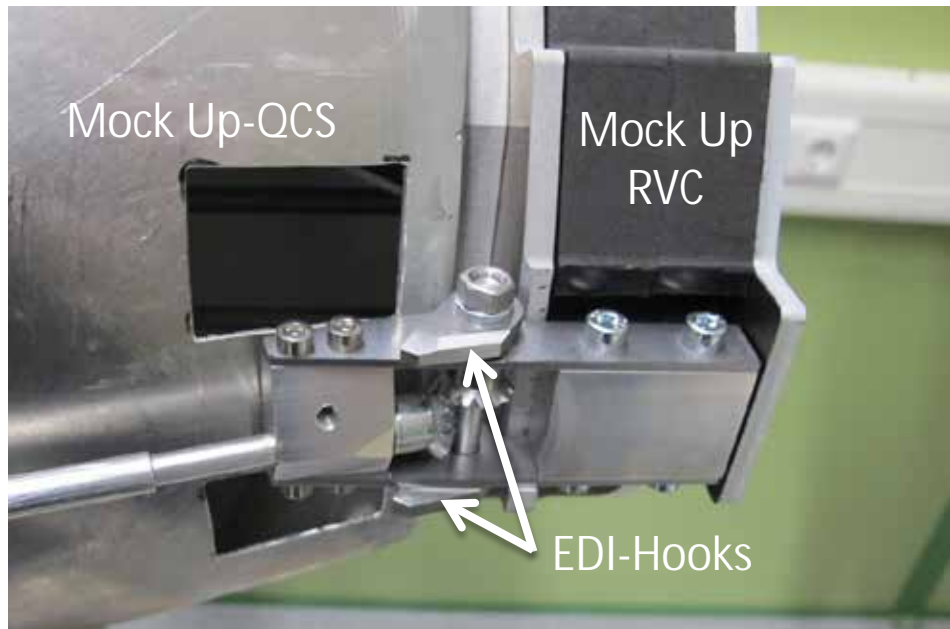
Measured size (calliper): 200,012mm

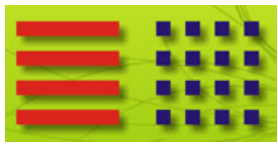
Measurement Error: 12 μ m



3. EDI (Emergency De-Installation)

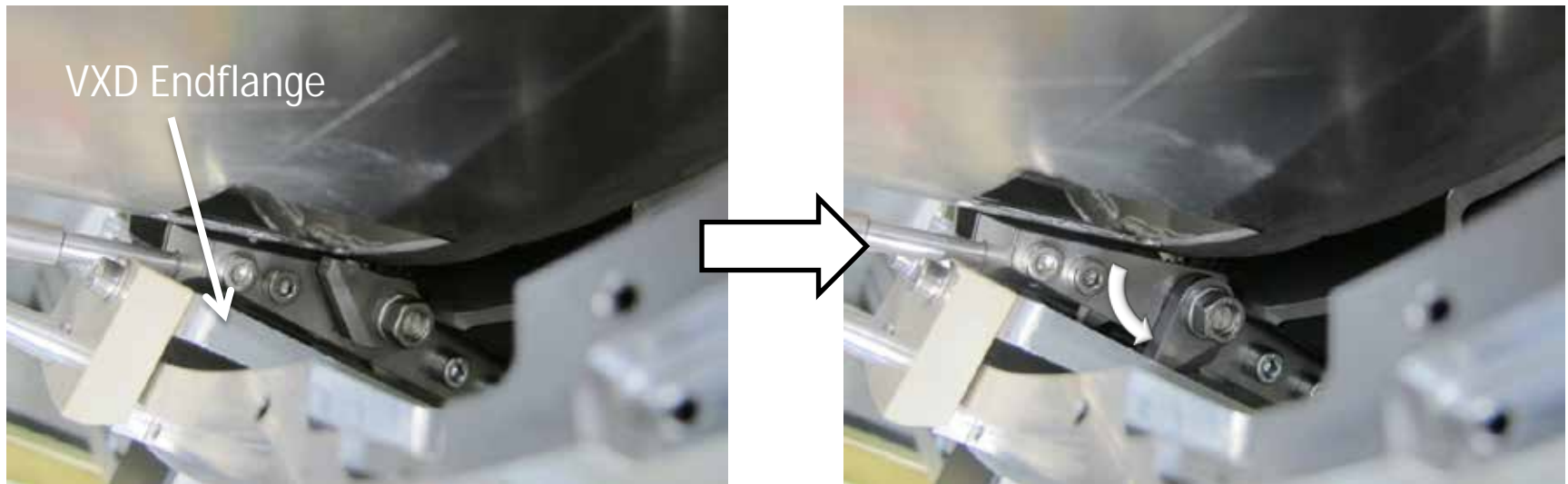
The following steps will happen if the RVC is not able to open connection:

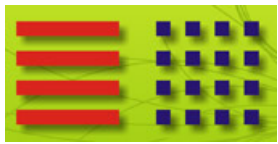




3. EDI (Emergency De-Installation)

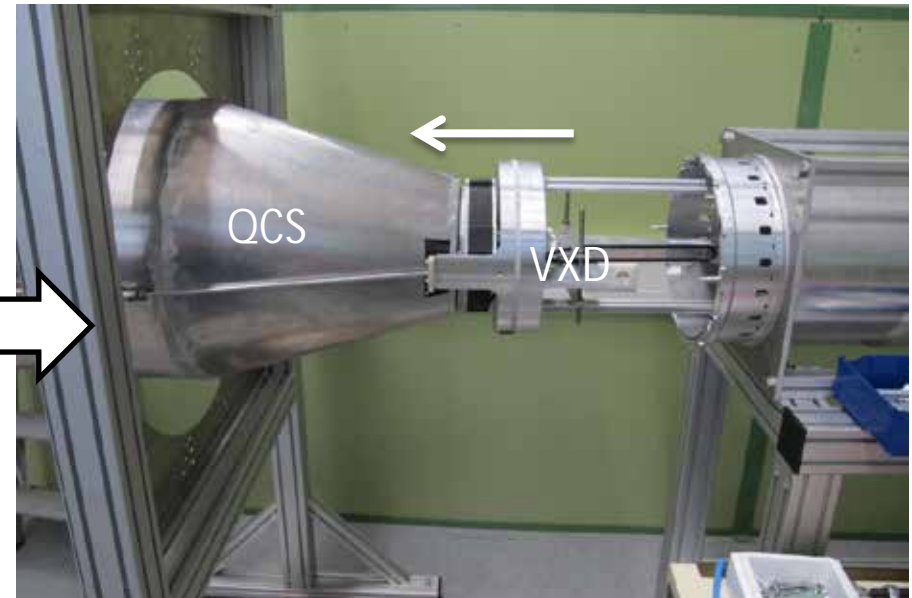
1. The emergency hook will grab into the VXD-Endflange





3. EDI (Emergency De-Installation)

2. The QCS (connected with the VXD) will be pulled out



Same procedure
with cable:





5. Why AIM



A few points why we decided to develop the Alternative Installation Method:

1. It seems possible to exchange the bellows without extracting the VXD
2. High tactile sensitivity while moving the VXD into the CDC
3. VXD is independent of QCS-movement
4. Possibility of measure the VXD-position precisely after installation
5. Belle II can be rolled out without de-installing the VXD



6. Next steps



- Shipment to Japan:

The AIM Mock-Up will be shipped to Japan next week to demonstrate the functionality.

- Comparison:

AIM and BIM (Baseline Installation Method) will be compared in a technical meeting after the next B2GM.