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# Study on Remote Acute Repositioning Error for CSNS RTBT Equipment

The equipment of CSNS RTBT interface couldn't be aligned and fixed in short distance because of the high radiation, so all the devices should be remotely installed and disassembled. In order to meet requirements, first pre-align the devices on the upper girder, and then remotely hoisting the upper girder toward the underneath girder installed inside the interface. Therefor the positioning balls will automatically fix the ball seats between the upper girder and underneath girder. Analysis and calculate the remotely hoisting errors, aligning errors, and machining errors, take measures to restrict the errors' range to achieve the high repositioning accuracy.

## Summary

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