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## Significance of participating in ILC-related R&D as a regional company located near an ILC candidate site

*Tuesday 9 July 2024 15:05 (10 minutes)*

Kondo Equipment Co.Ltd. is in Kitakami City, Iwate Prefecture, where is 40-50 kilometers from the Kitakami Highlands, the candidate site of the ILC. Our company's main business is plumbing. Our main products are the piping often used in ILC, and we are able to carry out the entire process from design to construction to meet the specifications of the client. When the Kitakami Highlands are chosen as the site for the ILC, we would like to be involved in the project as a plumbing contractor and as a local company. We are currently participating in two research and development projects to make this dream a reality. One is "Design of ILC Main Beam Dump," in which we are studying the generation of vortex flow in a water pressure vessel by using simulations in cooperation with the Iwate Prefectural Industrial Research Center and the Iwate Industrial Promotion Center under the guidance of KEK. The second theme is "Design of Cooling Water System and Piping in Electron Driven Positron Source Tunnel". We are working on this theme with the same development structure as the first theme. We believe that local companies' participation in research to be involved in the ILC and to increase their knowledge of the ILC will contribute to and revitalize the region. As a local company, we will continue to hold this belief strongly and focus on ILC-related development and research program.

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