Contribution ID: **195** Type: **not specified**

Experience in participating in the development of an electron-driven positron source as a company in the Tohoku region

Tuesday, 16 May 2023 14:35 (10 minutes)

We have participated in the R&D work for an electron-driven positron source ordered by KEK and awarded by the Iwate Industrial Promotion Center, and oversaw one part of the work. We worked on this project in collaboration with industry, government, and academia, and we oversaw the design, manufacturing, installation, and operation of the cooling water system. Two companies in Iwate Prefecture and one company headquartered in Tokyo participated in the technical aspects of the project, and the Iwate Industrial Research Center and the Iwate Industrial Promotion Center participated in the governmental aspects. Technical guidance was provided by KEK and Hiroshima University.
We are a newcomer to the accelerator-related industry. However, we already have experiences in the piping of cooling water systems for the newly constructed synchrotron radiation facility at Tohoku University and in the drawing of existing piping systems of the electropolishing system for SRF at KEK.
Examples of our core businesses are the piping system for a semiconductor plant and the design, manufacturing, and on-site construction of the turf curing system for the New National Stadium. Our factory is located only about 30 km from the proposed ILC candidate site, and we are confident that we have the technology and manufacturing and installation capabilities to handle large-scale piping work once construction of the ILC begins.

Presenter: KONDO, Masahiko (Kondo Equipment Corporation, Japan)

Session Classification: Industry Plenary