



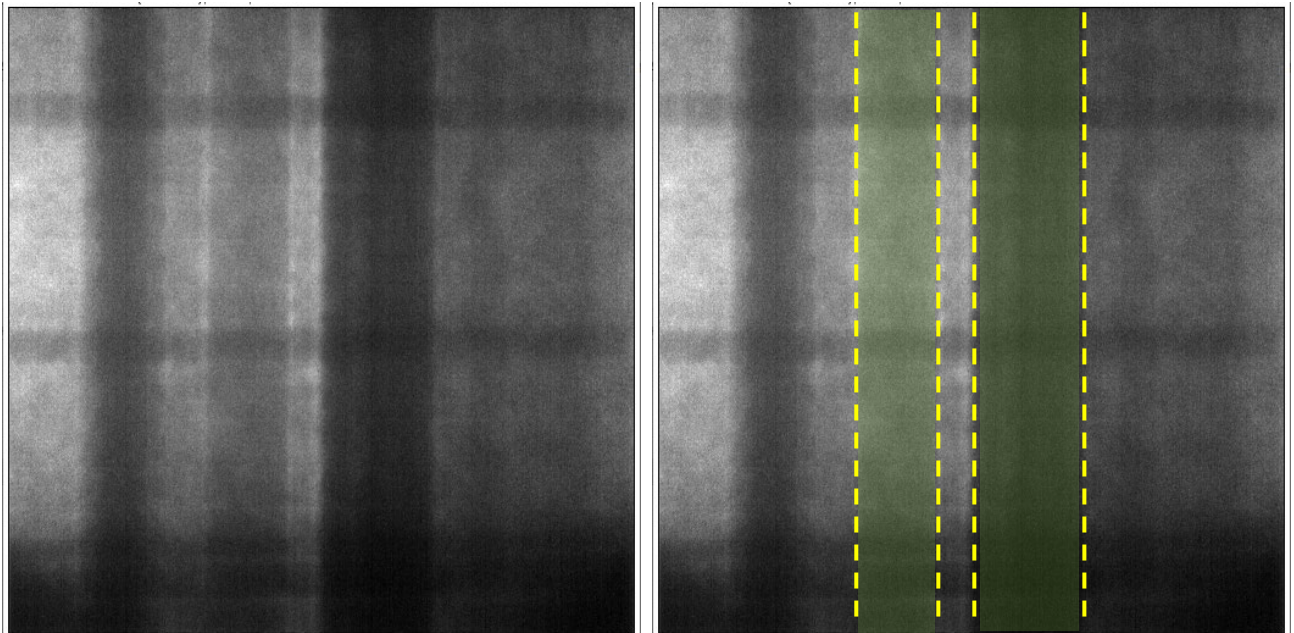
NIHON KESSHO KOGAKU CO., LTD

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A bridge inspection method using equipment from ATOX CO., LTD. and our X-ray detector was presented at the Japan Society of Civil Engineers National Convention held in Miyagi Prefecture in September 2024 and at the 33rd Symposium on Developments in Prestressed Concrete held in Niigata Prefecture in October 2024.

With the newly developed equipment, we were able to obtain X-ray images through 1,000 mm thick concrete, which had been difficult to be obtained before, and to observe the condition of the PC steel bars inside clearly with the X-ray image.

The following image is an example of the X-ray image through 1,000 mm thick concrete sample taken with a 3.95 MeV LINAC owned by ATOX CO., LTD. and our X-ray detector.



*The areas between yellow dotted lines near the center are the PC steel bars, and the cross-shaped shadows around it are the reinforcement.

We will always challenge to achieve the safe society with our products.