



ERDIP NEWS

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ERDIP is not only Earthquake Resistant

Not only earthquake, there are also various kinds of natural hazards such as heavy rain, hurricane, landslide and so on. ERDIP is the best solution against natural hazards for continuous water supply.

ERDIP has been installed more than 41,000 miles (1.5 round trip of earth) since 1970s in Japan and there has been no documented failures under continuous operations before and after any natural hazards.



GENEX DN100 (4") after heavy rain



Water was flowing even in this condition and pipes were lifted up for restoration.

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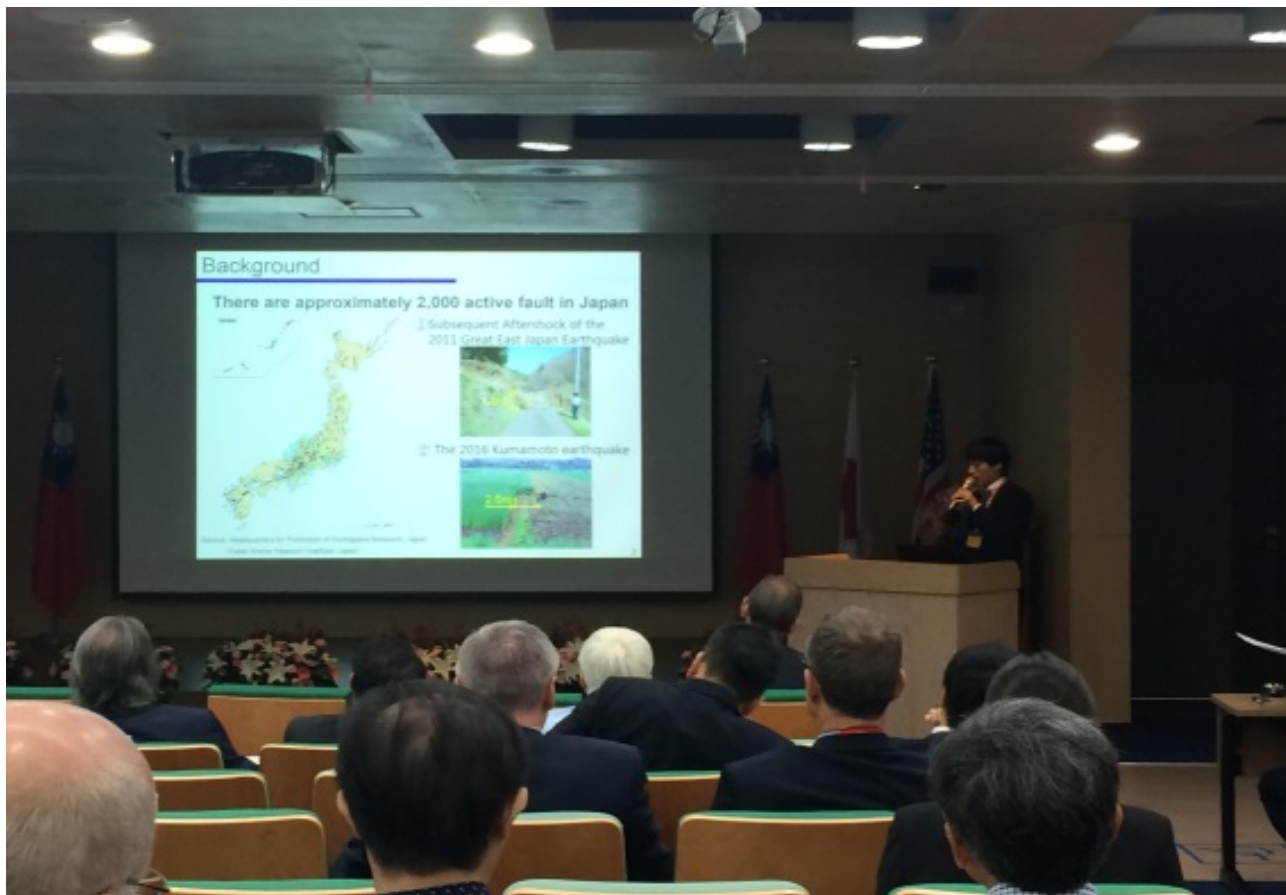
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10th Japan-US-Taiwan Workshop on Water Supply System Seismic Conference 2017 was held at Taiwan

Mr. Keita Oda, Ductile Iron Pipe R & D Dept. of Kubota Corporation presented a paper titled 'A Verification of Design Method of Pipeline Crossing Fault Using Earthquake Resistant Ductile Iron Pipe by Large Scale Split-box Test' at 10th Japan-US-Taiwan Workshop on Water Supply System Seismic Conference 2017 at Tainan City, Taiwan.

This paper describes a safety verification result of design method of pipeline crossing fault using earthquake resistant ductile iron pipe. In order to confirm the performance limit of the joint and pipeline behavior, we performed pressurized bending tests and a fault rupture test using test equipment of Cornell University in the U.S.

As a result, no leakage immediately occurred even though the test pipes exceeded the design limit performance of the joint. In this wise, the result showed that a pipeline design method based on the limit performance of the ERDIP joint can produce a sufficient advantage.



Kubota also exhibited scientific and quantitative pipeline network diagnosis software 'PIPE-next' which supports the evaluation and diagnosis of pipelines to provide safe and stable tap-water.

For further inquiry, please feel free to contact us.

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