



LEAK DETECTION & PIPELINE INTEGRITY MONITORING

References

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- Under river gas pipeline strain monitoring - Switzerland, 2011
- Water pipeline leak detection - Korea, Republic of, 2009
- Third party intrusion detection simulation - Germany, 2009

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Case Studies

[Pipeline strain monitoring in the Swiss Alps - Switzerland , 2011](#)
[Esperanza project 154 km pipeline leakage detection - Chile , 2012](#)
[Ferrera-Bertonico oil pipeline - Italy , 2009](#)
[Pra-Oil Leakage detection test - Italy , 2007](#)
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[Berlin Brine Pipeline - Germany , 2005](#)

Selected Publications

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[Ammonia leaks in pipelines](#), Nitrogen+Syngas 333, January - February - 2015

[Detection and Localization of Leakages in Toxic/Flammable Chemicals Pipelines Using Distributed Fibre Optic Sensors](#), Daniele Inaudi, Rob de Bont, Roberto Walder, 6th International Conference on Safety & Environment in Process & Power Industry, Bologna , Italy, 13-16 April, - 2014

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[Distributed Optical Fiber Sensors for Strain and Deformation Monitoring of Pipelines and Penstocks](#). Inaudi, Geotechnical Engineering Journal of the SEAGS & AGSSEA Vol. 50 No. 1 March 2019 ISSN 0046-5828

[Detection and Localization of Leakages in Toxic/Flammable Chemicals Pipelines Using Distributed Fibre Optic Sensors](#), De Bont, Inaudi, and Walder, Nitrogen + Syngas 2015 International Conference & Exhibition, Istanbul 23-26 February 2015

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Also Available in Application Note

- Bridge Bridge Instrumentation and Structural Health Monitoring
- Building Instrumentation and Structural Health Monitoring
- Cryogenic Instrumentation & Safety Monitoring
- Dam & Dikes Instrumentation and Safety Monitoring
- FO Leak Detection System for Dams and Dikes
- FO Leak Detection in Process & Chemical Plants
- FO Leak Detection for Pipelines in Foundations
- FO Mining Instrumentation & Site Safety Monitoring
- FO LNG Pipeline Monitoring
- FO LNG Tank Monitoring
- Geothermal Monitoring
- Geotechnical & Structural Instrumentation
- Mining Instrumentation & Site Safety
- Nuclear Power Plants Instrumentation & Safety Monitoring
- Penstocks Instrumentation & Structural Health Monitoring
- Research Structural Health Assessment Systems
- Tunnel Instrumentation & Structural Health Monitoring
- Tailing Dams Monitoring