



LEAK DETECTION & PIPELINE INTEGRITY MONITORING

References

- K+S Potash Pipeline Leak Detection - Canada , 2015
- Leak detection LPG Pipeline Fuerteventura Line - Spain , 2015
- Paradip South Jetty Pipeline leak detection project - India , 2015
- Leak - third party intrusion detection pipeline - Switzerland , 2013
- Leak detection - 140 km mining pipeline - Chile , 2013
- 9 km crude oil pipeline leak detection - Italy , 2011
- Deformation/strain 50 m buried oil pipeline - France , 2011
- Pipeline strain monitoring - Russian Federation , 2010
- Alameda Siphon water pipeline - USA , 2010
- LNG pipeline leak detection - UK , 2010
- Under river gas pipeline strain monitoring - Switzerland , 2011
- Buried pipelines earthquake ground movement - USA , 2010
- Deformation monitoring test on 10 m steel pipe - France , 2010
- Third party intrusion detection simulation - Germany , 2009
- Water pipeline leak detection - Korea, Republic of , 2009
- Pipeline monitoring - USA , 2009
- LNG transfer hose monitoring - France , 2009
- Pipeline distributed strain monitoring - Italy , 2009
- Seawater pipeline leakage detection - Qatar , 2009 - 2012
- Grain Terminal LNG pipeline leak detection - UK , 2008
- Pipeline leak detection for LNG plant - USA , 2008
- 20 km Pipeline Monitoring - Canada , 2008
- SHELL Pipeline Leakage Simulation - Norway , 2007
- Process pipeline leakage monitoring - China , 2007
- Gas pipelines from jetty to LNG tank monitoring - USA , 2007
- Leak detection system for Ethylene pipeline - Germany , 2006
- Gas pipeline leak detection - Korea, Republic of , 2006
- Leak detection for gas pipeline in LNG plant - USA , 2006
- Multiphase leakage detection - Italy , 2008
- Leak detection for Orman Lange oil pipe - UK , 2004
- Multiphase pipeline leakage detection system - Italy , 2008
- Steam monitoring in pipeline at 500°C - Finland , 1999

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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](#)
[SmartPipe Project - USA, 2009](#)
[SNAM Rete Gas - Gas pipeline monitoring - Italy , 2003](#)
[Berlin Brine Pipeline - Germany , 2005](#)

Selected Publications

[Fiber optic method for health assessment of pipelines subjected to earthquake-induced ground movement](#), Branko Glisic, Yao Yao, Structural Health Monitoring, November 2012; vol. 11, 6: pp. 696-711 - 2015

[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

[Automated Test System For Monitoring The Efficacy and Reliability of Leakage Detection in Pipelines](#), Daniele Inaudi, Roberto Walder, 10th International Pipeline Conference IPC2014, 2014, Calgary, Canada, September 29 – October 3 - 2014

Also Available in Application Note

- FO Leak Detection System for Gas & Toxic / Flammable Liquids
- Bridge Instrumentation and Structural Health Monitoring
- FO Leak Detection System for Dams and Dikes
- Geotechnical and Structural Monitoring
- Historical Monuments Instrumentation
- Nuclear Power Plants Instrumentation
- Storage Facilities Instrumentation
- Tunnel Instrumentation
- Mine Instrumentation
- Cliff Instrumentation