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References

- Alameda Siphon water pipeline - USA, 2010
- Alameda Water Pipeline Strain Monitoring - USA, 2010
- Buried pipelines earthquake ground movement - USA, 2010
- Cooling Water Pipeline Leak Detection - Qatar, 2009
- Deformation monitoring test on 10 m steel pipe - France, 2010
- Deformation/strain 50 m buried oil pipeline - France, 2011
- Gas Pipeline Leak and Third Party Intrusion - Switzerland, 2013
- Gas pipeline leak detection - Korea, Republic of, 2006
- Gas pipelines from jetty to LNG tank monitoring - USA, 2007
- Grain Terminal LNG pipeline leak detection - UK, 2008
- Hydrogen Pipeline Leak Detection - Poland, 2013
- Leak detection - 140 km mining pipeline - Chile, 2013
- Leak detection - third party intrusion pipeline - Switzerland, 2013
- Leak detection crude oil 9 km pipeline - Italy, 2011
- Leak detection for gas pipeline in LNG plant - USA, 2006
- Leak detection for Orman Lange oil pipe - UK, 2004
- Leak detection LPG Pipeline Fuerteventura Line - Spain, 2015
- Leak detection system for Ethylene pipeline - Germany, 2006
- LNG pipeline leak detection - UK, 2010
- LNG transfer hose monitoring - France, 2009
- Multiphase leakage detection - Italy, 2008
- Oleodotto Pozzi Tresauro—Italy, 2011
- Paradip South Jetty Pipeline leak detection project - India, 2015
- Pererbella Rosone Penstock - Italy, 2019
- Peroua-Nendaz Penstock - Switzerland, 2014
- Pipeline deformation near new tunnel - Austria, 2016
- Pipeline distributed strain monitoring - Italy, 2009
- Pipeline leak detection for LNG plant - USA, 2008
- Pipeline monitoring - USA, 2009
- Pipeline Monitoring 20 km - Canada, 2008
- Pipeline strain monitoring - Russian Federation, 2010
- Potash Water Pipeline Leak Detection
- Power Grid Network - Singapore, 2017
- Process pipeline leakage monitoring - China, 2007
- Rover Gas Grid Pipeline - USA, 2017
- Seawater pipeline leakage detection - Qatar, 2009 - 2012
- SHELL Pipeline Leakage Simulation - Norway, 2007
- Steam monitoring in pipeline at 500°C - Finland, 1999
- Third party intrusion detection simulation - Germany, 2009
- 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-Bertone oil pipeline - Italy , 2009
Pra-Oil Leakage detection test - Italy , 2007
SnamRete 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 Leaks 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, 1oth International Pipeline Conference IPC2014, 2014, Calgary, Canada, September 29 – October 3 - 2014


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


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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