



## FIBER OPTIC LEAK DETECTION IN AMMONIA , FERTILIZER & CHEMICAL PLANTS

### References

- Ammonia Pipeline Grandpuits - France , 2013
- Ammonia Pipeline MAXAM TAN - France 2018
- Ammonia Pipeline, PEC RHIN - France, 2011
- Ammonia Pipeline, Yara Ambès - France , 2015
- Ammonia Pipeline, Yara Le Havre - France, 2011
- Ammonia Pipeline, Yara Montoir - France , 2013
- Ammonia Pipeline, Yara Pardies - France , 2013
- Ammonia Pipeline, Yara Tertre - France , 2019
- Ammonia Plant, Salalah - Oman, 2018
- Ammonia Pipeline Fertilizer plant Borealis - France , 2010
- Ammonia reactor vessel - Netherlands , 2013
- Ammonia Tank structural monitoring - Germany , 2012
- Hydrogen Power Plant & Pipeline Skotan - Poland , 2014
- Refinery Tanks monitoring Hohhot - China , 2014
- Tank Monitoring BP Gelsenkirchen - Germany, 2017

### Case Studies

[Ammonia pipeline, Yara Ravenna - Italy , 2005 - 2006](#)

### Selected Publications

[Field Experience from Fiber Optic Ammonia and LNG Leak Detection Systems Installations.](#) Inaudi, Walder and Roberts, AiCHE conference 2016, Denver

[Return of Experience on the Efficacy and Reliability of Fiber Optic Ammonia Leakage Detection Systems.](#) Inaudi and Walder, Nitrogen + Syngas conference 2016

[Detection and Localization of Leakages in Toxic/Flammable Chemicals Pipelines using Distributed Fibre Optic Sensors.](#) Rob De Bont, Daniele Inaudi, Roberto Walder, Nitrogen+Syngas 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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#### Selected Publications

Fast Detection and Localization of Small Toxic/Chemicals Leakages Using Distributed Fibre Optic Sensor, Daniele Inaudi, Rob de Bont, Roberto Walder, Rio Oil&Gas 2014 Conference Proceedings, IBP2033\_14 - 2014

Detection and Localisation of Leakages in Toxic/Flammable Chemicals Pipelines Using Distributed Fibre Optic Sensors, Daniele Inaudi, Rob de Bont, Roberto Walder, International Fertiliser Society, Proceedings 745, presented to the International Fertiliser Society at a Conference in London, UK, on 3rd July - 2014

#### Available in Application Note

- 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