



iPIM

**INTELLIGENT
PIPELINE
INTEGRITY
MONITORING
SYSTEM**

Equity Investment Forum

Funding for innovation in SMEs:
EU policies & tools 04/12/2015

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DRAXIS
ENVIRONMENTAL
TECHNOLOGIES



**ADVANCED
MECHANICAL
SYSTEMS**



Lessons learnt..

SME, Established 15 years ago in
Thessaloniki, North Greece
with Avg Annual Turnover: ~1M €.

No of **Employees**: 12 (30% Phd, 50 % M.Sc)

Experience: ~10 Software and mobile
applications, ~300 Environmental Impact
Assessment Studies,
~15 H2020 and FP7 projects, ~70 National
Projects,



Development of an Intelligent Onshore Pipeline Integrity Monitoring System

In iPIM a developed prototype of sophisticated non-destructive technique (NDT) for structural health monitoring system (SHM) of oil and gas (O&G) pipelines will be further modified so that the system can be made available for commercialization.

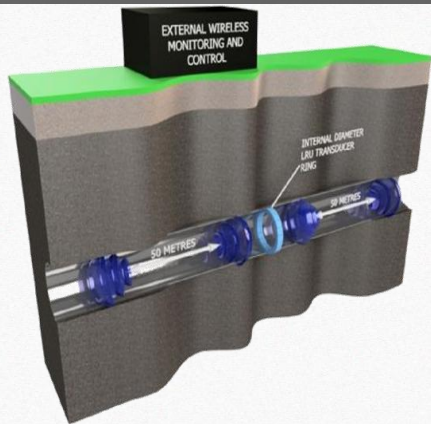
iPIM will continuously monitor the pipeline for cracks, corrosion and other faults and send the information over a wireless communication system to the network monitoring centre where the fault will be displayed over a 3D map of the pipeline.



- Reducing maintenance cost
- Achieving longer life of existing pipelines.
- Increased safety concerns
- Minimizing risk
- Inherent deficiencies of existing pipeline monitoring systems



- ❑ System sensitivity
- ❑ Monitoring capability
- ❑ Intelligent wireless sensors
- ❑ Energy Harvesting System
- ❑ Graphic User Interface (GUI)



Its not easy... but it can be done



Its not gambling its investing



Its not research ... its business



Its not one size ... its sur measure



... and its worth it...



Thank you for your attention!

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