

Title:

Flowing Securely - State-Of-The-Art Pipeline Protection System

Word Count:

730

Summary:

Magal Security System's PipeGuard is an innovative, patent pending security system, aimed at p

Keywords:

Article Body:

PipeGuard:

Meeting the Tough Challenge of Pipeline Damage Prevention

Magal Security System's PipeGuard is an innovative, patent pending security system, aimed at p

An Urgent Need:

Pipeline Protection:

Out of the entire oil/gas flow sequence, from the oil fields through the ports and refineries

To date, there is no effective solution for securing buried pipes against damage caused by ter

The PipeGurad Concept:

PipeGuard is designed to sound an alarm to operators ~ only when a real and concrete threat is

PipeGurad's Technology:

- S.U.s are powered by a lithium battery pack designed to guarantee full operation for a
- RF communication is based on spread-spectrum technology with UHF P band frequency and
- Reception of raw seismic signaling is achieved using several Geo-space Geophones in a
- The location of the identified threat is derived from an accurate measurement of the s

PipeGurad Command & Control

Alarm messages are accepted and displayed over a geographical layer ~ either a map or an aeria

By presenting the alarm at this fashion, the control center operator, intervention team (locat

patrol vehicles along the pipeline are exposed to information, streamed via PipeGuard's RF com

	Character	PipeGuard	Fiber-optic wire	Detecting wire
1	Intrusion Recognition (PD > 98%)	Very good ~ Medium ~ Low	Very good ~ None	None
2	Multiple event	Very good	Low	None
3	FAR	Very low	Medium	Very low
4	Location accuracy	High	High	Medium
5	Damage prevention	Good	Medium	None
6	Robustness	High, System is constructed on independent detectors		Low, Fiber-opt

PipeGurad: Fueling Security

Answering the challenge of securing pipelines, Magal Security Systems' PipeGuard offers a tota

- Innovative technology designed to guard buried pipelines, regardless pipeline length.
- Detects potential attacks and alerts authorities before potential damage or harm occur
- Suitable for all pipes, from existing and operational pipelines, to new pipelines unde
- Easily integrated into a full turnkey security solution, including perimeter security,

Magal Security Systems, Ltd. Has been leading the security industry in development, manufactur

For more information, see: <http://www.magal-ssl.com/>

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