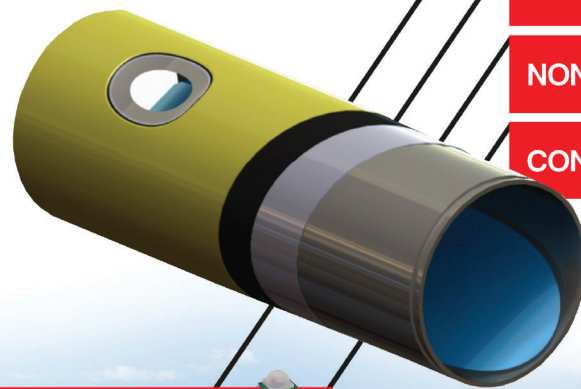




LEAK PREVENTION

Sales Offices 705-682-2777 • 888-524-3777

Sudbury • Vancouver • Calgary • Salt Lake City



PROTECTIVE COATING

CONDUCTIVE LAYER

NON-CONDUCTIVE LAYER

CONDUCTIVE PIPE

WARNING SENSOR

WIRED BETWEEN THE PIPE AND THE CONDUCTIVE LAYER



Leak Prevention

Vision

Protect the environment and conserve our customer's assets by providing smart coatings and linings that prevent leaks and detects failures

Applications

- Liquid coatings on exterior or interiors of pipe and plate work
- Rubber linings inside of pipe fittings and plate work
- Chromium carbide overlay

How our system works

The system monitors the entire surface of a pipe or vessel through an incomplete circuit between two conductive layers in the coating. When a breach in the coating or lining occurs, the circuit is completed and a signal is produced. The signal can be any format required including analogue, digital like PLC, RFID or even through a cathodic protection network

Advantages over existing systems

- Continuous and comprehensive coverage
 - the entire surface is monitored 24/7
- Non invasive
- Except for mechanical puncture, this system will notify before leaks ever occur+
- Intrinsically safe

Results

In 96% of reported leaks if this system was installed, the failure in the coating or lining would have been reported before the leak had occurred. U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration Leak Detection Study – DTPH56-11-D-000001, final report No. 12-173, Dec 2012

Patented

- For more information on the patents contact Fuller Industrial