

# CATH-TECH™

Close Interval Pipeline Surveys

CALL ON THE  
EXPERTS FOR  
PROFESSIONAL CLOSE  
INTERVAL CORROSION  
SURVEYS

## SATELLITE SYNCHRONIZED CLOSE INTERVAL SURVEYS

### CLOSE INTERVAL PIPELINE POTENTIAL SURVEYS

Cathodic Technology Limited (CATH-TECH™) was incorporated in 1980 as a full service company specializing in corrosion and corrosion control. We have undertaken thousands of miles of close interval over-the-line potential surveys.



Our Engineers and NACE Certified Technicians are fully qualified to undertake accurate distance correlated close interval over-the-line potential surveys. We can undertake rectifier ON and INSTANT OFF GPS (Global Positioning System) synchronized potential surveys as well as regular and side drain surveys of pipeline systems. CATH-TECH™ was the first to develop and utilize satellite synchronization of rectifiers and survey equipment for close interval over-the-line potential surveys.

CATH-TECH™ has developed equipment specifically for close interval surveys. The CATH-TECH™ HEXCORDER is used to record the structure-to-electrolyte potentials measured between a copper-copper-sulphate reference electrode and the pipeline being surveyed.

The CATH-TECH™ HEXCORDER has 512K of non volatile RAM and a 12 bit A-to-D for 1 mV resolution. The HEXCORDER records the rectifier ON and INSTANT OFF potentials, the

induced AC potential of the pipeline, as well as the amount of wire dispensed from the light wire dispenser. It adds or subtracts the amount of wire dispensed from the chainage entered as the starting point of the survey section, to provide accurate distance correlation.

When recording rectifier ON and INSTANT OFF potentials the HEXCORDER receives a timing signal from the GPS engine which initiates the recording of the rectifier ON and INSTANT OFF potentials.

The same timing signal initiates the interruption of the cathodic protection rectifiers, thus the HEXCORDER and the rectifier interruption are exactly synchronized.

Provision can be made by the operator to record the latitude and longitude at each reading in addition to the rectifier ON,



CATH-TECH™ HEXCORDER

PHONE (800) 368-9907 or (905) 857-1050 FAX (905) 857-3499

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## CATH-TECH™ GPS SYNCHRONIZED CURRENT INTERRUPTER

INSTANT OFF, induced AC voltage and chainage.

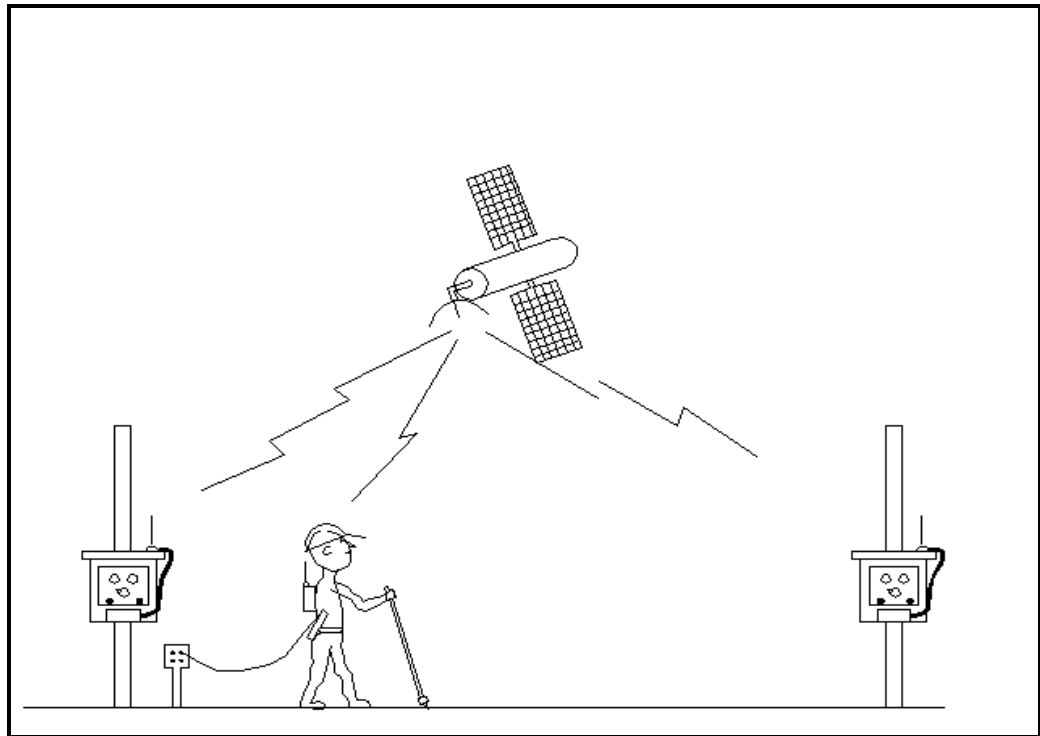
All comments entered in ASCII format in the HEXCORDER's data stream are date and time

stamped. The data output from the HEXCORDER is in ASCII format and coma delimited, for ease of importation into commercial spread sheet programs.

We provide a complete written report on the results of all close interval surveys and include the data in both numerical and graphical format.

Call the experts at CATH-TECH™ for your close interval surveys.

CALL OR FAX  
CATH-TECH™  
FOR A CLOSE  
INTERVAL SURVEY  
QUOTATION



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