



CEOCOR – Commision 2

ANNECY – 17th - 20th May, 2011

Lessons learned based on three years of operating the Fluxys Cathodic Protection Remote Monitoring System

Bernard Graux - Jonathan Dexters
Fluxys nv/sa, Boulevard industriel 17, 1070 Brussels, Belgium
bernard.graux@fluxys.com
jonathan.dexters@fluxys.com

Lessons learned based on three years of operating the Fluxys Cathodic Protection Remote Monitoring System

Abstract

A few years ago, the Cathodic Protection department of Fluxys has decided to develop its own remote monitoring system. Like many other systems, it allows to watch the proper functioning of several types of equipments (rectifiers, drainage diodes...) installed along the pipelines. The continuous monitoring of the electrical situation is essential to detect anomalies affecting on the CP system.

Since 2008, all rectifiers and selected testposts have been equipped, totaling more than 1000 units on the Fluxys' network. The document will illustrate the lessons observed after three years of operating the Remote Monitoring System such as:

- The confirmation of the effectiveness of a custom developed product
- The limited energy consumption
- The high sampling frequency in order to detect all anomalies with a maximum of 1 message a day)
- The effective ability to detect the malfunctioning of equipments and the functioning perturbation of CP system.
- The lifetime of equipments
- Impact on organizational aspects
- Way forward.

