

PIPER

Information system for the area of anti-corrosion cathodic protection of pipelines and storage facilities

The Piper system serves for the registering, processing, and analysis of anti-corrosion cathodic protection data and related data.

The system gathers data from the whole area in order to facilitate supervision and control of cathodic protection processes in the whole monitored arrangement. Such data may include e.g. information on the place of measurement (piping line, section, point, ...), what object was measured (pipe, protection pipe, probe, ...), what variables were measured (voltage, potential, weight loss, ...), etc.

There is a possibility of manual data entering using an intelligent form for the inserting of measured values, importing from measuring equipment, or importing from external applications. The section for measured data analysis contains, among others, interactive diagrams. The measured data can be easily shared between more subjects (people, operations, organizations).

Furthermore, the system makes it possible to perform data management in the area of insulation defects and repairs and much more.

Purpose:	Solution for anti-corrosion cathodic protection data management and analysis
Installation:	ČEPRO MERO RWE E.ON
Types of users:	Oil pipelines Gas pipelines Product pipeline Water lines ...
Environment:	Extranet, Intranet, Client/Server
Technology:	Database: PostgreSQL, MS SQL Clients: C# (MS .NET Framework 2.0)
Number of users:	30 (all installations)
Main functions:	Measured variables, Cathodic protection, Topology, Insulation defects, Repairs, Earth resistance, Equipment Online access to data from anywhere Simple and flexible graphic interface Easy registration of measured data Integration with measuring systems and devices Interactive graphic data analysis
Share in the project:	Analysis, development, integration, rollout, second-level support



