

GASACOR 2

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

The Gasacor 2 system serves for the registering, processing, and analysis of anti-corrosion cathodic protection data and related data within RWE Energy ČR and E.On (JČP).

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. This makes it possible to prevent problems or failures in the pipelines and to effectively monitor the current condition of the pipeline.

There is a possibility of manual data entering using an intelligent form for the inserting of measured values, importing from the MEG20 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, data import from the GIS database and more.

The application is built as a heavy client used all over the republic with a unified database accessed by users with data imports and with requests for reports. The system is currently used by companies RWE Energy ČR and E.On; Definity Systems continues with its development, systems management and operation in terms of technical support.

Purpose:	Solution for anti-corrosion cathodic protection data management and analysis
Installation:	Severočeská plynárenská, a.s. Středočeská plynárenská, a.s. Jihočeská plynárenská, a.s. Západočeská plynárenská, a.s. Východočeská plynárenská, a.s. Severomoravská plynárenská, a.s. Jihomoravská plynárenská, a.s. Transgas NET, a.s.
Types of users:	Gas pipelines
Environment:	Extranet, Intranet, Client/Server
Technology:	Database: PostgreSQL, MS SQL Clients: C# (MS .NET Framework 2.0)
Number of users:	100 (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 MEG 20 measuring systems and devices Interactive graphic data analysis
Share in the project:	Analysis, development, integration, rollout, second-level support

