Pipeline Information Management System
Pipeline Manager

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Pipeline Manager - Overview

- Leading PC-based, standard GIS-Product software for oil and product pipelines
- Application for other transport lines (gas, cables, water)
- Pipeline Manager™ supports management, organisation and analysis of transport line data
- Information for integrity are supplied by existing application modules (ROW, CP, RAT, PIG, PB, Observer, AM)
- Integrates charts, plans, tables, documents and images in one system
- Straightforward and flexible data access
- Wide ranging functions based on MapInfo
- All information in a single system
Functions

- Chainage / Station
- Profile / Pipebook
- Search functions
- Link function
- Easements / ROW
- Third party activities
- Emergencies
- GPS / Mobile GIS
Chainage / Station

- **Functions**
  - Query from the map window
  - Search by chainage value
  - Chainage of intersection with other objects
    (parcels, foreign services)
Profile

- **Visualisation**
  - Synchronised chart and map windows
  - Addition of features to chart e.g. crossings, markers
  - Analysis of pipeline and other chart data (e.g. pig data, CP)
  - Readout of absolute and relative heights
  - Printing of profile
  - Pipebook
Search functions

- Simple, rapid search for places and installations along the pipeline network
- Search based on coordinates
- Search by pipeline chainage
Link function / Document archive

- Links to documents:
  - Geographic features
  - CP test points and measurements
  - Activities in Activity Manager
- Structuring of documents
- Search for documents
- Geographic document archive
Easements / ROW

- Query ROW data from the map window
- Drill down to owner, tenant and permit / contract data
- Display of data by clicking the land parcel
- Links to contracts and other documents
- Payment administration (GBBerG)
Third party activities

- Data management for third party activities and surveillance of pipeline networks
- Observations, e.g. construction re-routing
- Information request processing
- Data import from surveillance flights / patrols
- Automatic generation of permits to work
- Document management
- History administration
Third party activities
Emergencies

- Contacts to emergency services
- Access to emergency response plans
- Contacts to on-call service
- Connection to leak detection system
- Automated alarm processing via leak detection or manual input
GPS / Mobile GIS

- Mobile GIS on Laptop or PDA
- Entry of observations using PDA
- Location / surveying (in sub-meter accuracy) using DGPS
- Data entry from pig runs (Leak detection pig)
- Straightforward loading of data into the GIS