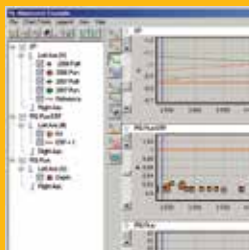


Pipeline Management System

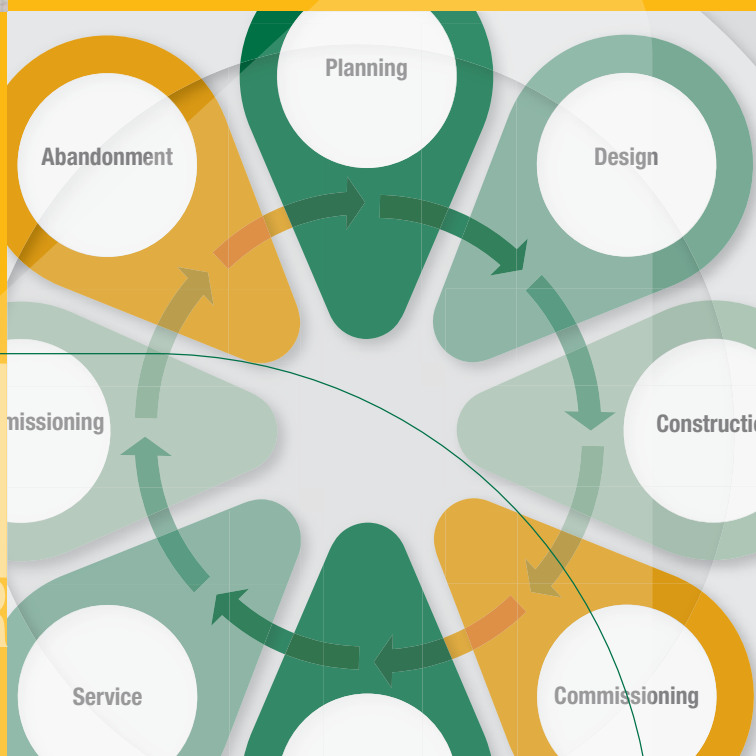
Efficiency, integrity and compliance throughout a pipeline's life cycle

THE TOTAL CARE PACKAGE

Pipeline Manager is an innovative, reliable and accessible software suite that incorporates all aspects of operations, integrity and risk management throughout the entire life cycle of a pipeline. Designed and developed by the experts at DMC-1, Pipeline Manager is the most complete set of software products available to ensure operational efficiency, safety and compliance.



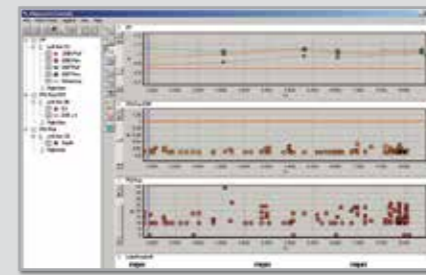
DMC-1
PIPELINE MANAGER



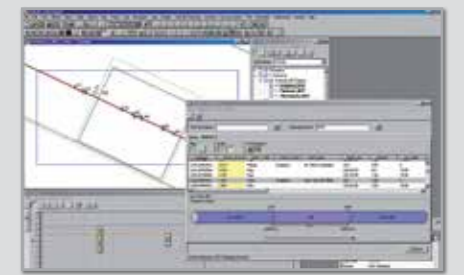
**Multiple services, singular solutions
for the Oil, Gas & Petrochemical Industry**



Activity manager



Data alignment



Pipeline equipment



Profile



Risk method definition



Risk visualization

In an increasingly complex and competitive market, pipeline owners need to have access to a wide range of flexible services. This includes operational levels as well as management and strategic levels, to allow them to focus on their core business while ensuring ongoing efficiency, safety and compliance.

In order to guarantee the integrity of their pipeline, operators must be able to accurately evaluate its technical condition to allow for planning and organization of maintenance and repairs. This means having fast and reliable access to information describing the environment and condition of the pipeline and the ability to monitor this information in an easy and efficient way.

BENEFITS OF PIPELINE MANAGER

- Fast and reliable access to data
- Designed for easy use, requiring no specialist computing or GIS knowledge
- Management of a wide range of information
- Factual, technical information about your pipeline's condition
- Centralized system for high level of availability and accessibility of information
- Options to evaluate and analyze data
- Ability to visualize information in a geographical context
- High level of data quality and usability
- Reliable, supportive tool for decision-making

With some 25 years' experience in consulting, engineering and system and software development, DMC-1 are the leading software provider for the management of pipeline operations. Using their specialist knowledge and experience in the oil and gas pipeline industry, DMC-1 have created an innovative pipeline management software suite incorporating all aspects of integrity and risk management throughout a pipeline's life cycle. The system is a complete family of fully compatible software products that can be deployed from a single PC, from large scale in-house installations to cloud-based solutions.

The three key functions – **risk management**, **integrity management** and **emergency response** – supports acquisition and analysis of data and information to support the pipeline operator in ensuring the integrity of their pipeline. This allows owners to comply with regulatory requirements, control risks and ensure the environmental and economic sustainability of their pipeline and, most importantly, ensure the safety of their staff and the public.



WHAT IS PIPELINE MANAGER?

Pipeline Manager is a system that supports all the key areas of pipeline management, including a set of capabilities that have been designed to fit in with the daily demands of a pipeline department. Carefully planned interactions between maps, lists and diagrams allows users to view and manage information in the way that best represents their needs.

Major applications include:

- Pipeline condition analysis
- Risk assessment
- Third party interference
- Right of way (ROW)
- Cathodic protection
- Survey data management
- Pipeline documentation
- Field data collection
- Emergency response

HOW CAN PIPELINE MANAGER HELP YOU?

- Improve data consistency in case of pipeline changes
- Provide easy handling and suitable representation of survey data for analysis
- Provide the capability for pipeline feature analysis and tracking
- Combine pipeline condition and risk analysis to support decision-making
- Allow early error identification due to immediate data checking and analysis
- Improve the quality, availability and usability of pipeline information

Let us take responsibility for the integrity of your pipeline

A.Hak Industrial Services was established in 1988 and has since developed itself into a multidisciplinary contractor for detailed maintenance, services, inspection and abandonment of a pipeline. Combined with the pipeline design and construction services offered through our parent company, Hakpark, we provide essential services throughout all phases of a pipeline's life cycle, providing us with a uniquely practical insight into the integrity and availability of pipelines.

Through the integration of DMC-1 and Pipeline Manager into our portfolio, we have enhanced our pipeline integrity management system. In combination with our growing management and strategic level services, this collaboration forms the core of our pipeline integrity service development.

We aim to provide a complete range of risk management, integrity management and operations services for pipelines, with the client free to choose whichever elements they wish to add to their in-house capabilities and established suppliers. Pipeline Manager provides the crucial platform for the sharing of information and expertise that is essential for successful operations in a pipeline management environment that incorporates multiple organizations and geographic locations.

A new age in pipeline integrity management

ONE TOTAL CARE SOLUTION

DMC-1 was contracted in 2009 to deliver a Pipeline Management System to a client operating tanks and pipelines at approximately 80 locations worldwide. This included connections to five locations in The Netherlands. Pipeline Manager was implemented for the management of their outside pipelines, tanks, inside pipelines and other key assets. In total, more than 50 pipelines with a length of over 200 km were incorporated. The key overlays of the system included, topographical data, technical pipeline construction data, route, equipment data and crossing.

A small central team, together with locally-based management and outside contractors was established to administer responsibility for all risk management and integrity management activities for the company's infrastructure.

The main applications of the system included:

- Management of third party activities
- WION fully automatic online processing of 'KLIC' notifications (Mandatory Dutch automated One Call System)
- Risk assessment and management
- Integrity assessment and management

The company's fully hosted Pipeline Manager System, with additional webserver capabilities, allowed all the responsible parties to work together seamlessly, with access to the same complete, up-to-date information, regardless of their location.

The system has been operating successfully for four years, during which time a number of software updates have been installed without difficulty or inconvenience to the client. In order to maintain the knowledge and skills of the software users, the company receives two days of training each year.



A.Hak Industrial Services B.V.

Steenoven 2-6
4196 HG Tricht
P.O. Box 151
4190 CD Geldermalsen
The Netherlands

T +31 (0)345 57 92 11
F +31 (0)345 57 93 79
sales@a-hak-is.com
www.a-hak-is.com

