



Contaminated Land Management

The Challenge

Global demand for oil and gas as a source of energy continues to grow and drive new developments, with unconventional oil and gas supplies becoming rapidly more feasible and attractive. These advances raise new challenges for technical and operational safety, as well as ecological and social responsibility.

High quality standards and flexibility, with consistency in production, processing and operations, is vital. Companies strive to meet these high standards of operational excellence, with HSE management becoming increasingly important. Contaminated land is a key consideration and a significant risk factor for construction projects or compliance issues.

Our solutions

Whether constructing buildings, replacing an underground drainage system or dealing with an accidental spill, contaminated land issues often require significant input of resources. Royal HaskoningDHV provides support in fulfilling the obligations of contaminated land management by tapping into its extensive global network and providing a broad range of technical expertise and knowledge of this sector.

Our professionals understand and routinely manage the unique economic, technical, environmental and health and safety concerns of multinational companies. We

ensure a consistent approach to help our clients meet their business, sustainability and HSE objectives.

Operational support

Our experts have built a strong track record in spill response, managing legacy issues and soil and groundwater liabilities. Providing tailor made services for our clients, we deliver cost effective and sustainable solutions for soil and groundwater issues.

Masterplanning

A comprehensive master plan is a vital communication tool for clients and stakeholders, enabling strategic planning and reducing risks around soil and groundwater contamination.

Using our extensive global network and broad range of technical expertise and knowledge, we develop master plans which reflect client requirements, including operational targets and strategic goals, and also meet legislative obligations. By design and implementation of a tailored survey, the master plan enables our clients to prioritise areas of potential concern and structure their management approach.

Data visualisation

We provide solutions for obtaining up-to-date



and readily available data summaries and use our geographical information systems (GIS) and techniques to generate visual representations of available data, tailored to client requirements, to save valuable time and resources. We also provide guidance and training during implementation and for approval processes with regulatory bodies.

Management and supervision

Royal HaskoningDHV has a strong track record in management and supervision of a broad range of contaminated land projects. As well as remedial design and planning, we provide support in contracting and procurement by facilitating the clients' tender process for remediation contractors, design and contract documentation and quantity surveying. We also deliver on-site management and supervision of remediation projects, with supervisors qualified and certified under relevant standards and regulatory requirements. When it comes to closure of remediation projects and programs, we facilitate the design of 'after care' programs.

Client and scope of services

Royal HaskoningDHV is a leading independent, international project management and engineering consultancy service provider. Each year we contribute to the delivery of some 30,000 projects around the world on behalf of our public and private sector clients, providing a wide range of multidisciplinary services for aviation, buildings, industry, energy and mining, maritime, infrastructure, planning and transport, and water.

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With our knowledge and experience in Contaminated Land Management we deliver:

- Contaminated land management plans, soil quality management plans
- Data management and visualisation
- Strategic advice in contaminated land issues (regulations, operational procedures/requirements) and spill prevention measures
- Remediation activities using conventional, unconventional and innovative techniques such as natural and stimulated degradation
- Stakeholder management and social responsibility
- Incident management
- Assessment of damages and losses
- Environmental site assessments
- Modeling of groundwater flows and contaminant migration
- Environmental and Human Health Risk Assessments
- Remedial design and planning
- Contracting and procurement services
- Management and supervision of remediation activities

For more information please contact our experts:

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