



# world-wide expertise



**ROYAL HASKONING**

thinking in  
all dimensions



# thinking in all dimensions

AS AN INDEPENDENT INTERNATIONAL FIRM, ROYAL HASKONING PROVIDES COMPREHENSIVE AND MULTIDISCIPLINARY ENGINEERING, PROJECT MANAGEMENT AND CONSULTANCY SERVICES. WE AIM TO EXCEED THE EXPECTATIONS OF ALL OUR CLIENTS, WHETHER THEY ARE MULTINATIONALS, GOVERNMENTS OR INTERNATIONAL FINANCING INSTITUTIONS.

BY APPROACHING TODAY'S ISSUES FROM EVERY ANGLE, WE SUCCEED IN FINDING CREATIVE SOLUTIONS AND IN ADDING REAL VALUE TO BOTH BUSINESS AND GOVERNMENT POLICIES. THINKING IN ALL DIMENSIONS ALSO MEANS BRINGING TOGETHER ALL THE NECESSARY ROYAL HASKONING SPECIALISTS IN PROJECT TEAMS GEARED TOWARDS REACHING YOUR GOALS AND TARGETS.

THE WIDE RANGE OF INTERNATIONALLY ACQUIRED KNOWLEDGE AND EXPERIENCE AVAILABLE AT ROYAL HASKONING HAS BEEN BUNDLED IN EIGHT DIVISIONS, EACH OF WHICH HAS ITS OWN FOCUS AND SKILLS, WHILE INTERACTING WITH OTHER DIVISIONS IN MULTIDISCIPLINARY PROJECTS. THE SPECIFIC COMPETENCIES OF EACH DIVISION ARE MAPPED OUT ON THE FOLLOWING PAGES.

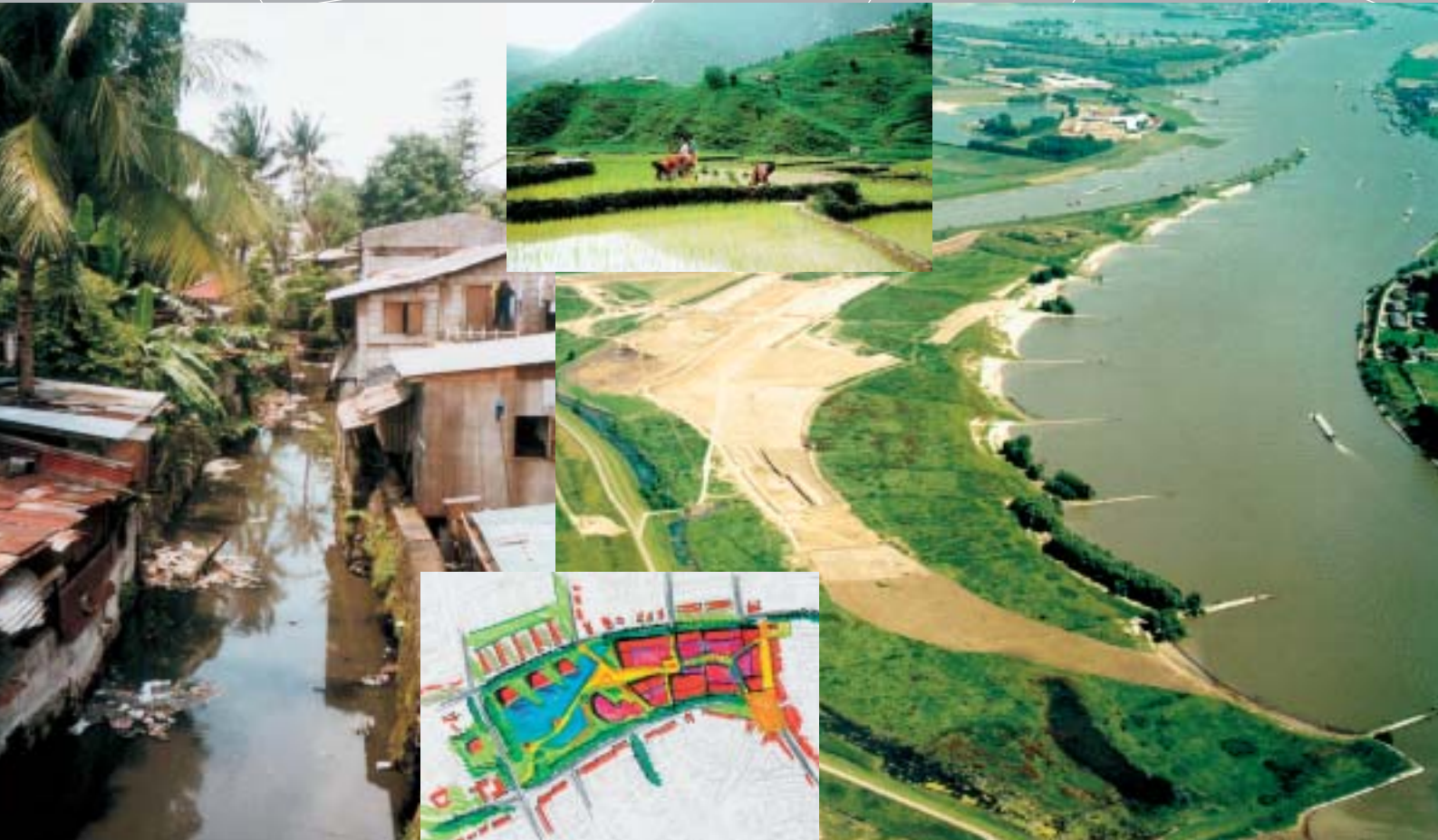
ROYAL HASKONING BRINGS ENTHUSIASM, ENERGY AND COMMITMENT TO WORKING WITH ALL OUR CLIENTS. THAT IS HOW WE BUILD RELATIONSHIPS THAT GENERATE TRUST, UNDERSTANDING AND LASTING PARTNERSHIPS. WE BELIEVE IN A THOROUGH PROFESSIONAL APPROACH AND HONEST ASSESSMENTS AS THE ONLY FOUNDATION FOR LASTING SATISFACTION.

WE UNDERSTAND THAT CONSULTANCY IS ONLY A MEANS TO AN END. AFTER ALL, IT IS THE END PRODUCT THAT IS IMPORTANT TO OUR CLIENTS. THAT END PRODUCT SHOULD BE FUNCTIONAL, WITHIN BUDGET AND ON TIME. THIS CAN BEST BE ACHIEVED WHEN ROYAL HASKONING IS INVOLVED FROM THE VERY START.

IN MANY PROJECTS WE JOIN FORCES WITH OUR CLIENTS IN INTERACTIVE ALLIANCES. WHETHER IT IS IN DEVELOPING COUNTRIES OR IN EMERGING ECONOMIES, ROYAL HASKONING HAS PROVEN ITSELF TO BE A RELIABLE PARTNER, WILLING TO SHARE IN THE RISKS AND REVENUES, AND OFFERING A WEALTH OF INTERNATIONAL EXPERTISE.



# spatial development



## considering all stakeholders

The Spatial Development division is concerned with urban and rural planning and development. Clients are mostly in the government sector and include municipalities, regional authorities and water councils. Over the past years, water has become one of the guiding planning principles in spatial development. Expertise on (geo-) hydrology and ecology has therefore been incorporated in the division. Our integrated approach is based on broad international experience in spatial design and careful consideration of all stakeholders and interests involved.

- town-planning and design
- zoning and land use planning
- water and ecology
- urban (re)development
- countryside and landscape planning
- spatial-economic research and advice
- regional development planning
- strategy and policymaking
- environmental impact assessments
- process management

# infrastructure & transport



## building future capacity

The Infrastructure & Transport division provides comprehensive services in the planning and design of roads, railways, tunnels and bridges. We assist government institutions with policy studies and the development of innovative and sustainable traffic and transport solutions. Because of its broad orientation and extensive experience, the division is also a creative and valued partner in the construction industry and transport sector. In many larger projects, Royal Haskoning is able to enter into a Design & Construct contract form.

- regional and urban infrastructure
- traffic and transport solutions
- traffic management systems
- roads and railways
- bridges and tunnels
- hydraulic infrastructure
- project management and site supervision
- logistical infrastructure
- geo-technical engineering
- risk analysis and management
- airport infrastructure

# architecture & building



## creating character and functionality

The services of the Architecture & Building division cover the entire planning and building process, from master-planning, feasibility and design studies all the way to construction supervision, maintenance and SHE management. Our clients can be found in the international business community, as well as in government and non-profit organisations. They choose Royal Haskoning for its ability to create buildings with distinctive character, from basic principles of functionality and human wellbeing.

- residential, commercial and office buildings
- hotels and convention centers
- industrial projects
- structural engineering
- comprehensive project management
- construction supervision
- real estate and asset management
- interior design and ergonomic planning
- facility management
- logistic service centre development
- urban (re)development planning

# mechanical & electrical services



## working on reliability

The Mechanical & Electrical Services division specialises in designing technical installations for industry, utility buildings, traffic and transport infrastructure. Our clients regard Royal Haskoning as a reliable partner in the complete chain, from planning and design to project management and operational support. The division harbours the latest technological expertise on ICT, climate control, security installations and control engineering. We also enjoy an established reputation in traffic management, transport logistics and process technology.

- mechanical & electrical infrastructure
- facilities planning and design
- energy supply
- energy policy development
- climate control and security systems
- user philosophy and vision building
- transshipment processing
- building services
- reliability and security management
- installation inspections and maintenance
- transport logistics & traffic control systems

# environment



## care for our planet

The Environment division offers in-depth knowledge and expertise on environmental management and technology anywhere in the world. The environment and all related issues have become central topics in the public debate and therefore in the decision making process in both business and politics. In order to deal with even the most diverse and complex issues, all know-how in the fields of water, air, soil, hazardous substances, noise and industrial processes, including those in the oil and gas industry, has been concentrated in the Environment division. This enables us to provide real added value, both for our clients and the planet we live on.

- environmental management
- soil use investigations
- soil and protection remediation
- environmental impact assessments
- nature and habitat management
- environmental permits
- audit management systems
- solid and liquid waste management
- environmental engineering
- (renewable) energy management
- air quality improvement
- noise reduction measures
- acoustic studies and research



## managing the source of life

The Water division operates on a world-wide scale and has built up a solid international reputation in water management. Climate change and the related risks call for an integrated approach. The division focuses on the complete water chain, offering extensive expertise in all processes involved. Our clients are international organisations and governmental authorities, ranging from ministries to water boards. The Water division applies practical knowledge and experience in developing the best methods for utilising the most precious of all our resources.

- water management and flood control
- ecological policy and standards
- river basin management
- irrigation and drainage projects
- wetland management
- economic research and planning
- technological concept building
- water supply and sanitation
- water treatment facilities
- surface and groundwater resources development
- industrial water and waste water management
- organisational management of utility companies
- institutional development

# coastal & rivers



## dealing with natural risks

The expertise of the Coastal & Rivers division is in demand around the world for the management of rivers, deltas and coasts. Our clients are local, regional and national authorities, as well as international organisations, which call upon us for everything from policymaking to project supervision. We plan and design fortifications of sea and river defences and specialise in risk management in areas prone to flooding. Redeveloping coastal and river areas requires not only thorough assessments, but also the ability to take ecological and the residents' interests into account.

- coastal zone management
- dredging and land reclamation
- wave modelling
- flood risk mapping
- river and estuarine hydraulics
- hydraulic measurements
- inland water transport
- river safety
- water management
- asset management
- flood defences
- erosion control



## facilitating sea transport

The Maritime division is internationally renowned for the planning, design and operation of ports and maritime installations. With over a hundred years of experience, we pride ourselves in a profound understanding of the port and shipping sector and the pressures placed on it. The division is at the forefront of maritime technology and offers high-quality and tailor-made services, ranging from feasibility studies, marketing strategies and financing to project management and operational support.

- port (master)planning
- privatisation studies and preparation
- maritime infrastructure design
- port terminals
- shipyards
- naval bases
- inland transport infrastructure
- project implementation and management
- maintenance and operational support

Royal Haskoning is an independent, world-wide operating consultancy firm. The basis for the firm was founded in 1881 in the Netherlands. At present, the firm's 3,000 staff together combine a wide range of knowledge and experience. Rooted in a technical background, our consulting services focus on the broad field of the interaction between people and their environment. We are committed to working enthusiastically with our clients to achieve sustainable solutions in an increasingly complex society. The expertise and experience of our professionals in a variety of disciplines allow us to consider all technical, logistical, legal, organisational, social,

environmental and economic aspects of your project, in order to subsequently develop sustainable and practical solutions.

Royal Haskoning has subsidiaries and partners throughout the world. Through our branch and project offices in Europe and overseas, we have access to all major international markets. This way, Royal Haskoning can offer multidisciplinary and integrated services locally, based on experience built globally. With our personal service in consultancy, we thus contribute effectively to a successful planning, design, implementation, commissioning and operation of your projects and programmes.



Royal Haskoning is member of ONRI (Association of Consulting Engineers in the Netherlands)



Royal Haskoning is founding member of NEDECO (Netherlands Engineering Consultants), an umbrella organisation comprising independent Dutch consulting Engineers working together on international projects



Royal Haskoning is member of FIDIC (International Federation of Consulting Engineers)

Royal Haskoning, through Posford Ltd and Haskoning Nederland bv, is a member of:

- ACE The Association of Consulting Engineers
- BCCB British Consultants Bureau
- CIRIA Construction Industry Research Information Association British Section

# thinking in all dimensions

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