



**Royal
HaskoningDHV**
Enhancing Society Together

World-Class Engineering Solutions for Indonesia and the Pacific Region



Sustainable excellence, world-class expertise

Royal HaskoningDHV is an independent, international company that delivers the highest levels of engineering and environmental consultancy services worldwide. Through our technical excellence and strong industry relationships, we deliver pioneering solutions that create cleaner, safer and more effective solutions that can reduce energy consumption, improve health and safety, and protect fragile eco systems.

Our work is all around you, contributing to the sustainable development of communities across Indonesia in the form of multi-functional and future-proof cities and industries. Whether supervising construction of the Tanjung Priok port extension, or providing consulting for the government's Accelerated Settlement Sanitation Development, which aims to achieve universal access to sanitation by 2019, we are making a difference everywhere you look.

Royal HaskoningDHV provides a complete range of services across the project lifecycle, from conceptual design and consultancy through to project and construction management and supervision. By focusing on understanding your needs and working in close collaboration with partners, clients and stakeholders, our designed to deliver exceptional results for a number of sectors including:

- Aviation
- Buildings
- Energy
- Industry
- Infrastructure
- Maritime
- Mining
- Rural
- Urban
- Water



Aviation

The Aviation industry requires new and upgraded facilities that are future-proof, sustainable, and cause minimal environmental impact. Royal HaskoningDHV delivers this via a multidisciplinary team that has long-standing experience and deep knowledge of international, national as well as local planning and design parameters.

We have been involved in the design, upgrade and project management of many of the world's best-known airports. We approach each project on its own merits, combining a dedicated project management service with the latest technology to ensure your project is delivered efficiently, cost effectively and without disrupting day-to-day operations.

Taiwan International Airport's Third Terminal – creating a new aviation hub for the region

Taiwan Taoyuan International Airport is currently developing a third terminal which will transform it into a major aviation hub for south-east Asia. Royal HaskoningDHV is responsible for the terminal area master plan, and is leading the project in a joint venture with T.Y. Lin International and Parsons Brinckerhoff. But our expertise does not stop there. In addition to the masterplanning we are also delivering the baggage handling concept, air traffic forecast, commercial planning, as well as master plans for aviation fuel and storm water drainage.

Buildings

The built environment is no longer designed for purely functional purposes. People everywhere expect new buildings to feature creative architecture, inspiring layouts and environmentally friendly features that fit within the immediate environment. Renovations to existing buildings now incorporate fresh designs and forward-thinking on sustainability while preserving valuable points of heritage.

Royal HaskoningDHV is able to achieve and deliver this unique balance by drawing on its worldwide engineering knowledge to provide exceptional local solutions. Our team excels in identifying new trends and technical advances, and the results can be seen in buildings that are innovative, cost-effective and future-proof. Complying with all health and safety requirements is of central importance in our work along with the emphasis on sustainable features.

It is this dedication to balance that has enabled us to deliver Indonesia's first LEED Certification in Industrial buildings and the first Green Mark Gold^{PLUS} Award for Office buildings.

New Offices for Permata Bank, Jakarta – adapting working environments for success

In 2011, the decision was made to merge Permata's four Jakarta offices into one head office within the newly constructed World Trade Center II building. Royal HaskoningDHV was given the role of configuring and adapting the entire working environment, incorporating fire safety and security systems. The team also managed the fit-out and oversaw all aspects of the move.

We provided a portfolio of services and support including: consultant selection, client briefing, landlord coordination, finalisation of lease documents, design development, vendor selection, contract agreements, oversight of tender documentation, award recommendation, delivery of the premises and staff migration and settling. The building now carries the coveted Singapore Building Construction Authority's Green Mark certification.



Energy

At Royal HaskoningDHV, we understand that from remote villages to large towns and cities, creating effective, long-term energy supplies is vital to both economic growth and quality of life. In order to deliver these requirements, we work closely with clients to provide comprehensive energy solutions that include planning, consenting and delivery. In doing so we help you to address the challenge of finding low carbon, renewable energy sources to help meet existing and future demands.

PT Bhakti Putra Bangsa – Bringing electricity to 350,000 people

Royal HaskoningDHV is currently working with Jakarta-based PT Bhakti Putra Bangsa (TIRASA) to deliver 100 MW of small-scale hydropower plants in Indonesia over the next five years. This will provide 350,000 people with electricity for the first time.

Following a full review of existing Feasibility Studies for each plant, we are now preparing the Detailed Design and Tender documents. We will then help TIRASA evaluate and revise each business case to ensure the optimum design, operation and output of each plant. Our team will then undertake detailed design, tender assistance and construction management services.

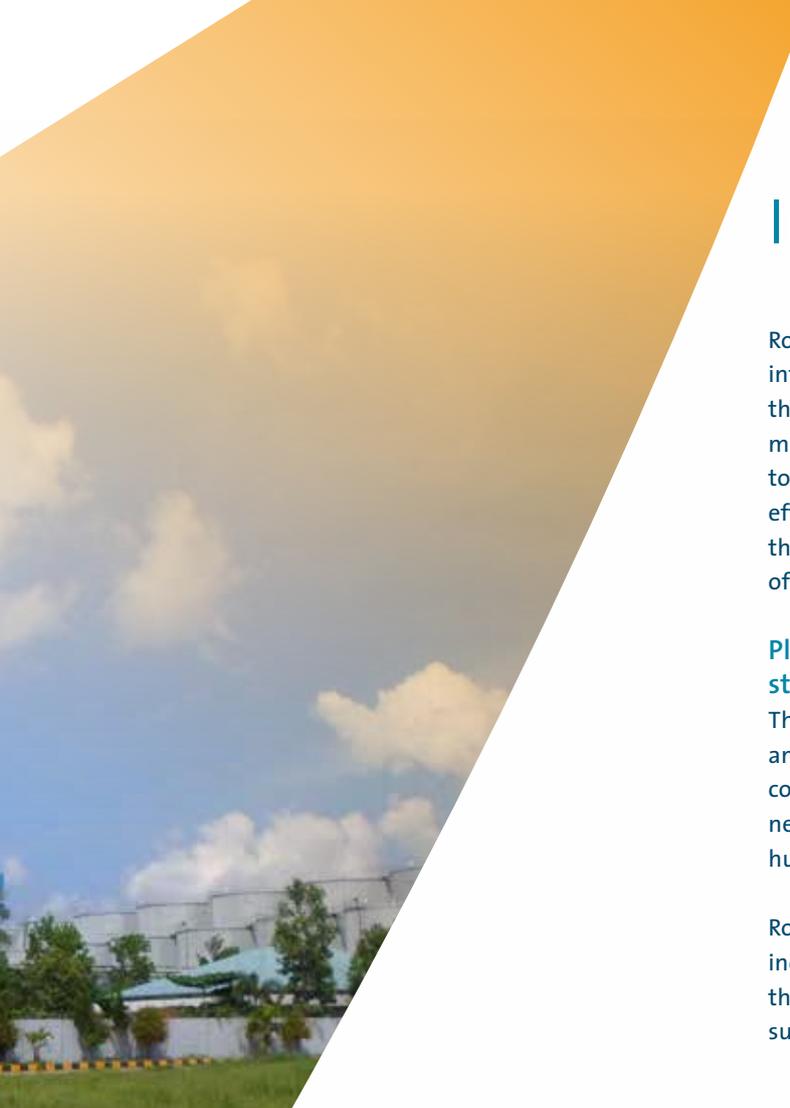
Industry

We have a proven track record of delivering effective and sustainable solutions for industrial clients across Indonesia. This includes the development of new facilities, as well as all-encompassing technical and operational support services, for key sectors including: Pharmaceutical, Food and Beverages, FMCG, Chemicals, Oil and Gas.

Delivering L'Oréal's Largest Skin and Haircare Facility

L'Oréal's new production facility at the Jababeka industrial estate, West Java is a good example of our expertise in this area. The facility is now L'Oréal's largest in the world, incorporating the highest possible standards of safety and sustainability.

Having previously worked with L'Oréal on a similar production facility in China, Royal HaskoningDHV was awarded both the first and second phases of the design, project management, construction management and safety management for the new facility. The plant became the first Silver LEED (Leadership in Energy and Environmental Design) Industrial Plant in Indonesia.



Infrastructure

Royal HaskoningDHV has contributed to many successful infrastructure projects, not just in Indonesia but around the world. Our expertise is comprehensive and we design multi-functional and sustainable infrastructure that helps to create thriving societies. By combining practical, cost-effective measures with innovative technological advances, these approaches will help to fulfill the long-term interests of our clients and their communities.

Pluit City Development – from reclaimed land to state-of-the art environment

The Pluit City land development project is part of an ambitious land reclamation project in Jakarta Bay. When complete, the reclaimed land will be developed into a new state-of-the-art multi-island development covering hundreds of hectares off the north coast of Jakarta.

Royal HaskoningDHV was commissioned by a leading independent developer in Indonesia to provide services for the project ranging from conceptual design to reclamation supervision.

Maritime & Waterways

Royal HaskoningDHV is the global market leader in maritime infrastructure development for new port facilities, relocation of terminals, refurbishing of facilities and the optimisation of existing terminals.

Our multidisciplinary teams cover all project stages, integrating highly sophisticated planning with expert design and implementation. We offer new ways of thinking, collaborating with clients to plan, design and build safe, sustainable facilities around the world. Our complete in-house service ensures successful outcomes for clients on each and every project.

West Java LNG import facility – developing the World's first Floating Storage Regasification Unit

Golar LNG is one of the world's largest owners and operators of liquid natural gas (LNG) carriers. In 2010, Golar LNG together with Royal HaskoningDHV won a tender to develop the world's first Floating Storage and Regasification Unit (FSRU) in Indonesia on behalf of Nusantara Regas.

The project involved supplying an FSRU, for offshore installation in the Bay of Jakarta, and included the mooring system and sub-sea pipeline. By combining our team's local knowledge with global maritime experience, we were able to produce designs that reduced costs for the mooring system by 50 per cent.



Mining

We offer consultancy and engineering solutions in all fields of mining engineering from spatial and environmental planning, to transportation and water consulting engineering. The services we offer therefore cover all aspects of the development, operation and closure of mining facilities.

Our team uses state-of-the-art design and modelling tools to deliver consultancy services, mine design and engineering, review work and business support. We evaluate and execute projects for virtually every major mineral, and our engineers identify new methods and technologies to improve productivity while reducing pollution.

PT. Media Djaya Bersama (MDB) – Improved plant capacity for large-scale coal producer

As part of the ABN group, one of Indonesia's largest coal producers, MDB owns and operates an integrated coal

handling system in the Northern Sumatra Province of Aceh. The operation includes a coal processing plant with capacity of 1000 tph at mine site, an overland conveyor of over 25 kilometers connected to a 1.2 km offshore jetty and barge loading conveyor system, all of which are part of the integrated port and mining facilities to boost coal production up to 6 MTPA.

Royal HaskoningDHV supported MDB during all phases of the project from feasibility and funding all the way through project management to onsite construction management support. The bankable reporting we produced during all stages of the project also provided additional support to the client in securing the appropriate funding. Our involvement has resulted in successful delivery of an operational solution for MDB from mine to market.





Rural

Royal HaskoningDHV is also renowned for its smart design of urban residential areas and landscapes that improve the quality of life for inhabitants. Focusing on feasibility and cost-effectiveness, our innovative spatial planning achieves the needed multiple use of space while incorporating sustainable features.

Urban water and sanitation connection for urban households

A vast project is underway to supply 370,000 low-income urban households across Indonesia with access to water and sanitation services. Royal HaskoningDHV has been appointed by the Indonesia Infrastructure Initiative (IndII) to manage the baseline surveys, which will be conducted for each of the 370,000 households to establish eligibility. We will also provide verification services to ensure that the installation of water and waste connections meet IndII's specification criteria.

Our role is to support the management of all field surveyors and to assure transparency during the survey process. To facilitate this, we have developed a real-time web-based program to monitor progress in the field.

Water

Royal HaskoningDHV has applied visionary strategic thinking and innovative technological advances to many successful water projects. Within this context we serve public and private Indonesian water utility companies. And, by leveraging years of expertise honed in the Netherlands, we are able to provide industry with solutions for design, engineering, operation and maintenance support services.

Dedicated consulting for Indonesia's Urban Sanitation Development Program (USDP)

In 2010 the Indonesian government launched the Percepatan Pembangunan Sanitasi Permukiman/PPSP

(Accelerated Settlement Sanitation Development) program. This set specific goals for the three sub-sectors of waste water, solid waste and urban drainage. Royal HaskoningDHV has been assigned as the Lead Consultant for the Urban Sanitation Development Program.

The program requires frequent interaction with different ministries and departments. Key is the city sanitation strategy, applied for the 2006 -2009 ISSDP project and also executed by Royal HaskoningDHV. In this way, we are improving the lives of people in 440 Cities and Districts as Indonesia moves towards universal access to sanitation.



Our story – Enhancing Society Together

Royal HaskoningDHV has a proud heritage of bringing leading expertise and innovation to the market. With more than 7000 consultants and engineers around the world, we advise and develop systems and solutions that reflect our commitment to business integrity and sustainable development.

We count a number of multinational, public and private sector organisations as well as national and local governments amongst our clients. And, with a 30-year track record of delivering successful projects throughout Indonesia, we are able to combine our extensive global experience with outstanding local knowledge, to provide tailored, forward-thinking solutions for business, communities and society.

The world is changing, bringing both challenges and opportunities. We must change with it to engineer a better future for ourselves and our children. We believe that together, we can all be part of the solution for a more sustainable society.

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