

industry

Royal Haskoning has a successful track record founded on a broad range of knowledge and experience in the industrial sector.

We have acquired our reputation through projects in various sectors of industry, mainly: oil & gas, food & beverages, chemical & pharmacy, waste, in wholesale & commission trade and in transport industry. Royal Haskoning professionals are trained in many areas. Besides maintaining the required technical capabilities and skills, Royal Haskoning is specializing to meet the main challenge in industrial projects: reducing the time-to-market and costs of investment. Thereto we apply variant design methods focusing on development of those items that are essential to the project. By applying as much as possible best and value improving practices in the front-end loading phase, desired quality levels and local/international safety standards are met, operations can be optimized (incl. HSE, emission reduction, noise, water, waste, energy, materials handling) and capital productivity is improved.

We co-operate with local staff from our world-wide network of offices and partners to ensure optimum utilization of local knowledge about required permits, standards, construction market costs, rules and regulations.

Royal Haskoning offers industrial clients multidisciplinary services with a straightforward project oriented approach.



industry

spectrum of services

>> collaborative engineering >> zero design >> generic engineering >> 3D CAD >> technology selection >> classes of plan quality >> waste minimization >> design to capacity >> process simplification >> constructability reviews >> energy opti

facilities & buildings



Nantong Grain Terminal, China



Shell Nederland Chemie, The Netherlands



Forbo-Novilon, The Netherlands



BP, The Netherlands



Al Ghurair Oil Mills, United Arab Emirates



health safety & environment



Nestlé, Indonesia



Alcan, The Netherlands



Heineken, Nigeria



utilities & shared facilities



WWTP Petroplus, United Kingdom



power distribution station



Sato Kogyo, Malaysia



Wärtsila, The Netherlands



Akzo Nobel, The Netherlands

maintenance & operations



Unilever, Thailand



Perfetti van Melle, Russia



pocket belt



Zeelandia, Belgium

logistics & transport



ECT, Maasvlakte, The Netherlands



container handling



TNT, The Netherlands



bulk handling



Sigma, The Netherlands



transshipment

>> Akzo Nobel >> Alca >> Alcoa >> Al Ghurair >> AVR >> Bayer >> Borax >> BP >> Coca Cola >> Continental >> Corus >> Danone >> Delta Engery >> Draka >> DSM >> Esselte >> Essent >> Kraan >> LaFarge >> Lyondell >> Mars >> NAM >> Nestlé >> Perfetti van Melle >> Petroplus >> Philips >> Renault >> Rockwool >> Royal Ten Cate >> Sabic >> Sachem >>

for industrial clients

optimisation >> traditional value engineering >> best practices >> knowledge management >> catalogue engineering >> energy cost management >> customised standards specifications >> predictive maintenance >> process reliability modelling >>



services

pre-project consultancy

- strategic advice
- market analysis / forecasting
- production / operational / technology analysis
- location studies / logistics / EIA;

project preparation

- conceptual / basic engineering: lay-out and interfacing, balance of plant as well as process
- projectmanagement
- all HSE services
- tendering / procurement
- permits
- front-end lading and managing collaborative engineering;

project implementation

- project and contract management, construction management, project control (technical, financial, planning, health-safety-environment, permits)
- detailed engineering: depending on preference client and type of project either by Royal Haskoning or by contractor(s) or a mixture;

operations

- start-up assistance and training
- set-up and implementation of maintenance systems
- efficiency evaluation/optimization
- reporting due to permits

end of life cycle

- closing down and dismantelling strategy & planning
- reutilisation advice
- demolition planning/coordination/supervision
- site clearance and related certification

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 2,900 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 FIDIC
(International Federation of Consulting Engineers)



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 ONRI
(Association of Consulting Engineers in the Netherlands)

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

ACE The Association of Consulting Engineers

BCB British Consultants Bureau

CIRIA Construction Industry Research Information Association
British Section



thinking in all dimensions

ROTTERDAM

Hoofdweg 490
P.O. Box 8520, 3009 AM Rotterdam
The Netherlands
Tel. +31 (0)10 286 54 32
Fax +31 (0)10 220 10 05
E-mail: info@rotterdam.royalhaskoning.com

NIJMEGEN

Barbarossastraat 35
P.O. Box 151, 6500 AD Nijmegen
The Netherlands
Tel. +31 (0)24 328 42 84
Fax +31 (0)24 323 93 46
E-mail: info@nijmegen.royalhaskoning.com

PETERBOROUGH

Rightwell House
Bretton
Peterborough PE3 8DW
Tel. +44 (0) 1733 334455
Fax +44 (0) 1733 262243
E-mail: info@peterborough.royalhaskoning.com

ROYAL HASKONING ASIA

Chuchawal-De Weger Internationaal Ltd.,
Design-103 International Ltd.
8th Floor, Asoke Towers
219/25 Soi Asoke
Sukhumvit Road 21
Bangkok 10110
Thailand
Tel. +66 2 2591186-9
Fax +66 2 2600230
E-mail: info@royalhaskoningasia.com

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