



Industrial Sustainability

Royal Haskoning helps you on the right track

Social Accountability, Eco-efficiency, Cradle to Cradle (C2C), sustainability, CO2 emission trading, NOx emission trading, environmental taxes, green washing, certifications, Al Gore, Life Earth. The call for a sustainable society becomes increasingly louder.

Sustainable consumption asks for sustainable production. This need for change gets more support every day, but in practice it is difficult to choose the right track. Royal Haskoning supports her customers in determining the optimal direction for a responsible, sustainable way of doing business. Several aspects are considered and our experts give answers to questions like: Which priorities should I make to increase the sustainability of my process? Should I choose for minimisation of negative effects or are alternative solutions available that do not result in unwanted side-effects?

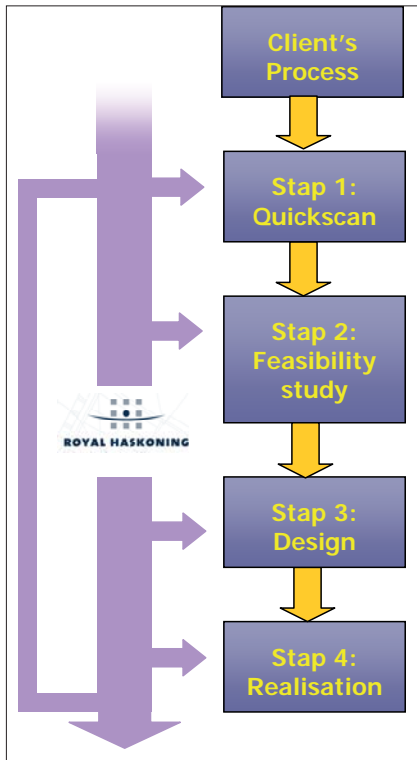
Royal Haskoning and industrial sustainability

Many methods and philosophies exist for the purpose of creating a sustainable society nowadays. Some focus on the reduction of negative effects (i.e. eco-efficiency), some on compensation (i.e. green washing) and others on a completely closed lifecycle (i.e. C2C).

Before selecting a direction however, it is important to determine which method is applicable and whether or not a (sustainable) return on investment can be reached for your organisation.

Royal Haskoning

Royal Haskoning is an independent, worldwide operating, consultancy firm, with 4300 employees. 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 allows 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 and industrial sustainability

Royal Haskoning developed a new sustainability service for her industrial clients. This service consists of a step-by-step approach where our specialists will work together with your organisation to reach a responsible increase of sustainability.

Step-by-Step approach

Step 1: Sustainability Quick-scan

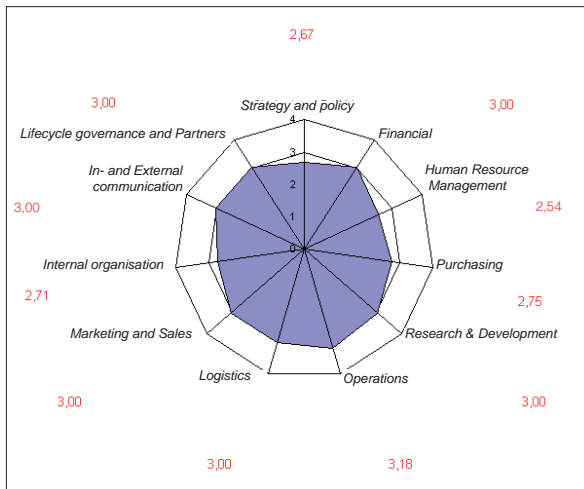
In the first step we jointly determine which areas of sustainability are relevant for your company by carrying out a quick-scan. For this quick-scan we developed two tools:

- 1) Sustainability Assessment Tool for Organisations (SAT-O)
- 2) Sustainability Assessment Tool for Processes (SAT-P)

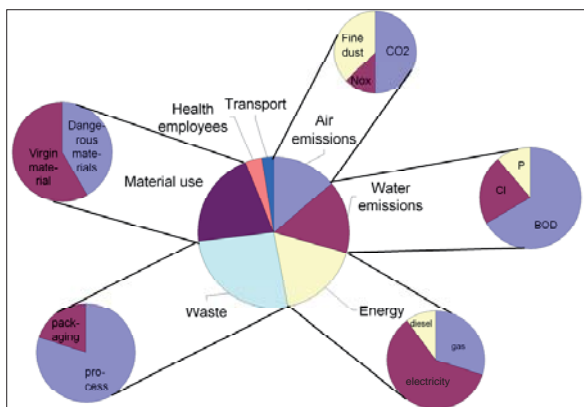
The SAT-O focuses on eleven different sustainability aspects within the overall structure of your organisation (among others: Research and development, purchasing, strategy and Human Re-

source Management) and has several purposes: The results from this test give insight in the level of sustainable entrepreneurship and give an indication of the priority for each sustainability aspect. The results of the SAT-O are a good basis to give meaning and direction to the different disciplines within your company.

Additionally, Royal Haskoning developed the Sustainability Assessment Tool for Processes (SAT-P). This tool focuses completely on the industrial processes of your company. With the SAT-P, we analyse quantitatively, how the industrial process scores on sustainability aspects like, material use, emissions, health of employees and landscape. On the basis of the results of this analysis we organize one or more brainstorm sessions with experts from your company and Royal Haskoning to identify applicable measures for your company.



Result for the Sustainability Assessment Tool for Organisations (SAT-O example)



Result for the Sustainability Assessment Tool for Processes (SAT-P example)

Step 2: Feasibility study

In this step the technical and economical feasibility of the identified measures are investigated. We believe that a sustainable solution must also be an economical feasible solution.

Step 3: Design

A good design is the key to successful implementation of measures. Based on the feasibility study the selected measures are further developed in this design phase.

Step 4: Implementation/ realisation

The last step concerns the implementation and realisation of the selected measures.

To test the results of the selected measures on sustainability the quick-scans (SAT-O and SAT-P) can be performed after each step of this approach. This way the effects of the selected measures can be determined during the complete project. With our in depth knowledge and multi-disciplinary expertise within Royal Haskoning we are able to support you step by step.

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