

Energy and Climate Strategies

ECN contributes to better policy and business decisions for a sustainable energy system. We provide independent expertise on the development of energy supply and consumption, drivers, barriers and regulation affecting energy markets, and we advise solutions for achieving strategic objectives.

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ECN specialises in analysis and advice on energy-related questions. Our 65 policy experts form a multidisciplinary team, with academic and applied knowledge of energy technologies, markets, and policies. Our analysis provides insight in the implications of these factors for policy makers, businesses throughout the energy sector, and consumers across sectors of the economy. We have developed a range of modelling tools to support our work. The unit has offices in Amsterdam, Brussels and Petten.

Extensive low-carbon expertise

The global energy system is experiencing fundamental transition to mitigate the impacts on the climate and to secure a reliable energy supply. ECN's technological expertise covers the different low-carbon options – Wind Energy, Solar Energy, Biomass and Energy Efficiency & CCS – that play a role in this transition.

ECN

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Our extensive knowledge on low-carbon technologies and strategies enables us to provide sound advice on energy, supporting policy makers and businesses in making well-founded choices for achieving their strategic objectives. Over the years, ECN has excelled in a number of themes.

Local knowledge, global coverage

ECN supports national policy making at various stages. This includes quantitative evaluation of the impacts of existing policies and advising on new policy options, business cases, and social aspects like stakeholder processes and consumer behaviour.

For this work, we build on expertise across the energy supply chain, from supply-side options to the end-use in industry, the built environment and transport, as well as the infrastructure that connects supply and demand. Our work addresses energy issues from local to global level.

On a global level, we are dedicated to improve international energy and climate policy through, for instance, studying new approaches for future climate agreements, and analysing the consequences of international climate policy instruments.

Our clients

ECN is the leading advisor for the Dutch Ministry of Economic Affairs and the Dutch Ministry of Environment. About half of the unit's activities is funded by the European Commission, building on its strong reputation in a range of areas including long-term energy scenarios, strategies for introducing hydrogen and biofuels, socio-economic impacts of energy technologies, regulation for emission trading and Carbon Capture and Storage. Providing independent and solid advice to companies in the European energy sector is an increasing share of our work. Recent examples include Royal Dutch Shell, E.ON, and Nissan Automotive. Additionally, we provide studies to international organisations, such as the World Bank and the International Energy Agency.



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