



Energy research Centre of the Netherlands

## *Energy Research Centre of the Netherlands*

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## ECN

- The Energy research Centre of the Netherlands:
  - ECN is the biggest, independent, market oriented and innovative Dutch energy research institute.
  - ECN investigates and develops technologies and products for a safe, efficient and environment-friendly energy supply.
  - ECN bridges the gap between research and real application.
  - A sustainable development is the guiding principle for all ECN activities.

## The Petten site (800 fte's)





## Unit E&I: Efficiency and Infrastructure

- Efficiency in the Built Environment
- Efficiency in Industry
- Intelligent Energy Grids



## Power Systems and Information Technology

Research objective:

*Development of high-value knowledge and technology to support transition towards reliable, sustainable and cost-effective electricity grids that can accommodate a large share of intermittent and decentralised power generation.*

Focus on two themes:

- A. Intelligent supply-demand matching
- B. Grid connection and power quality