

## Energy and Climate – Save Energy, Save our Future.

A strong industry needs innovation. We need climate protection and climate protection needs us. But how can climate protection, energy efficiency and energy technology be combined?

TÜV Rheinland offers support in all areas, whether monitoring the emissions of a CHP plant, calculating the energy efficiency of a hot water boiler or assessing your eco balance – we are your expert contact. Our specialists support you with your projects. We test your products and services all over the world to check that they are technologically up to date.

You have ideas? During our project meetings on climate protection and sustainability we will draft a strategy plan for your goals. We carry out studies for you so that you can focus on the main concerns – your business. Benefit from our expertise and experience as we guide you through the project phases.

We test, certify and monitor your energy appliances and assess the functional safety of household and industrial mechanical components. National and international accreditations are proof of our expertise, giving you peace of mind that you are working with the right partner.

Eco design or greenhouse gas inventories – your interests are our interests. We discuss your plans with you and implement them on your behalf.

Safety, quality, health, efficiency and compliance are the result of our work in global and local markets. Service is our profession, efficiency our mission, customer satisfaction our motivation.

Always a good sign. The TÜV Rheinland test mark.



This mark stands for all the relevant customer information about products, services and systems that are tested, certified or inspected by TÜV Rheinland. This information is available online anytime, anywhere, and can be viewed in a matter of seconds at the click of a button. This means optimal transparency and top performance in terms of safety, quality and reliability – always. Global, systematic and eye-catching – communicated through a unique and multi-functional mark. The TÜV Rheinland test mark.



## Energy and climate for our future.

Comprehensive services for climate protection, energy efficiency and energy technology.

 **TÜVRheinland®**  
Precisely Right.

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 **TÜVRheinland®**  
Precisely Right.

The experts at TÜV Rheinland  
make sustainability profitable.



## Achieve more together.

With TÜV Rheinland you make a contribution to keeping industrial developments safe.

- 1 Sustainability** – Whether sustainability, carbon footprint or CO<sub>2</sub> neutrality: we care about carbon management. We carry out analyses, studies and certifications for you.
- 2 Greenhouse gas inventories & ETS** – The effective management of greenhouse gases is a must in implementing successful global climate protection. We have been verifying and balancing greenhouse gas inventories for years, e.g. as part of emissions trading systems. We are your expert contact – challenge us.
- 3 Municipal climate protection** – You can proactively tackle global warming with climate protection concepts. Our experts support your project, from consultancy and drafting to the implementation of your climate protection concept.

**4 Energy management** – Reduce your company's energy consumption systematically, comprehensively and on a long term basis with intelligent energy management. We measure and provide energy efficiency reports. We also offer green IT certification for energy intensive companies such as data centres.

**5 Energy technology** – Energy transition without modern energy technology? Inconceivable. We perform tests according to the latest international standards. We guarantee that you are up to date with technology.

**6 Energy certification** – Create transparency on the market with our energy certification. We certify your energy products such as green electricity and gas – with our TÜV Rheinland test mark your customers need look no further.

**7 Mechanical components** – Mechanical components can be found in all shapes and sizes in the household. Our experts perform EC type examination tests (legally required in Europe) for mechanical components and test the functional safety of components for ventilation, air conditioning, cooling and heating, and fuels in the household.

**8 Electrical components** – With the vast array of control devices in modern applications the safety of electrical and electronic systems plays a key role. To ensure your safety, we perform EC type examination tests of electrical and electronic components in household energy appliances.

**9 Industrial valves/SIL** – Industrial mechanical components such as valves for various media in an industrial plant are subject to safety criteria. We apply our many years of experience to the testing of your mechanical components and of functional safety in industry (SIL).

**10 Eco design & emission measuring** – The Eco Design Directive provides a framework for ensuring that energy related products are environmentally friendly. Do you need tests for energy related products (ErP), an energy label or an emission measurement? We look forward to hearing from you!

**11 Certification of energy appliances** – Only safe products are good products. We test, certify and monitor products that are used in energy appliances – naturally in accordance with the latest technology.

**12 Product approval of energy appliances** – The world is getting smaller. So that you can market your energy appliances (CE/Notified Body) within the European Union we issue certificates after thorough testing. For your success!