




Industrie Service

**Choose certainty.
Add value.**



Global warming is one of the most pressing problems of the day. Governments have reacted and set up a new framework for dealing with emissions with the Kyoto Protocol.

States and companies profit from climate protection projects – nationally and internationally.

Successful Implementation of Climate Protection Projects

The Kyoto Protocol as a new opportunity

TÜV SÜD Industrie Service GmbH





The Aim: Reduce Emissions

Greenhouse gases play a role in global warming regardless of their place or source of emission.

Every reduction today has a positive effect on the global climate of tomorrow.



Challenge and Opportunity: The Kyoto Protocol

The Kyoto Protocol requires that by 2012 the signatory nations reduce their emissions on average by 5.2% based on 1990 levels.

Climate protection projects within the framework of the Kyoto Protocol are worthwhile, as verifiable reductions are rewarded with the allocation of **emission allowances** or collectible-value, **tradable certificates**.

The Kyoto Protocol makes it possible to economically implement climate protection projects and contributes towards long-term climate protection in an environmentally and socially acceptable fashion.

**Climate protection at
the lowest possible cost**





Numerous Opportunities: Recognise and Profit

Projects relating to climatic protection may be successfully planned and implemented in many fields of technology and branches of industry. Companies with an obligation to reduce emissions, export orientated plant engineering companies and project developers benefit from the resulting new international market opportunities.

The following list shows a selection of possible areas of application:

- Renewable energies
- Efficiency improvements of plants
- Fuel efficiency
- Waste and pit gas utilisation
- Process optimisation
- HFC and laughing gas
- Agriculture
- Reforestation
- And many other applications



Projects can be conducted in all countries that have signed and ratified the Kyoto Protocol.

Joint Implementation Projects (JI)

Measures for industrial countries, which are obliged to reduce emissions.

Clean Development Mechanism Projects (CDM)

Projects aiming to reduce emissions in developing countries.

Verified Emission Reduction Projects (VER)

Projects, which fall beyond the regulatory guidelines of the Kyoto Protocol. Examples would include aiming to organise conferences or sports events in a climatically neutral manner.

**Make a contribution
where it is most efficient**





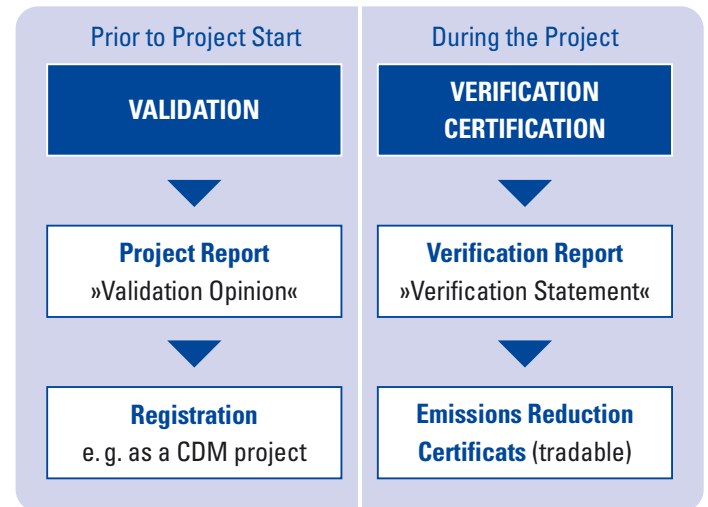
Project Procedure: An Overview

The **validation** by an independent third-party is the first step in the successful implementation of a climate protection project. Normally, this takes place before the project begins and examines the suitability of the project with regard to the future generation of emissions reduction certificates. Validation includes an examination of the project design, baseline scenario, monitoring plan, environmental impact and inclusion of stakeholders comments.

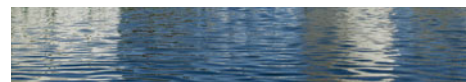
The positive validation is the prerequisite for registration as, e. g. CDM project.

The **verification / certification** then take place in several cycles during the course of the project and confirm the emissions which are actually reduced. The measurement equipment and methods, data storage and calculation of the emission reduction come under particular consideration.

A positive »Verification Statement« is the prerequisite for obtaining emissions reduction certificates.



It all comes down to the correct implementation!





TÜV SÜD: Work with a Market Leader

TÜV SÜD is best prepared so that it can support its customers in tapping the full potential of the many possibilities resulting from the Kyoto Protocol.

Key to this is the wealth of experience, which TÜV SÜD has gathered as a certification agency in over 150 climate protection projects in more than 30 countries around the world. These include: Argentina, Brazil, Bulgaria, China, Chile, India, Mexico, Rumania, Russia, Ukraine and many more.

TÜV SÜD is also well prepared for the future thanks to our active involvement in the development of national and international standards and criteria.

Our »Carbon Management Service« (CMS) department has been accredited as a Designated Operational Entity, DOE under the United Nations Framework on Climate Change, UNFCCC since 2004.

The primary tasks of CMS experts at TÜV SÜD include:

1. The **validation, verification** and **certification** of climate protection projects in connection with the flexible mechanisms of the Kyoto Protocol (**JI, CDM**).
2. The **certification of »non-Kyoto projects« (VER)**, and the **certification of plant related greenhouse gas emissions** in connection with in emissions trading.
3. TÜV SÜD also supports your submission of new methodologies for CDM projects and examines to what extent an already approved methodology is suitable for your project. More than 40 methodologies for forestry and energy projects have already been submitted to the CDM Executive Board by TÜV SÜD.

Sound knowledge
A step ahead the competition





TÜV SÜD: Trust a Strong Brand

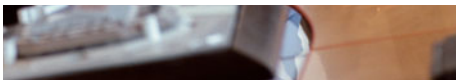
TÜV SÜD is one of the leading companies in the area of industrial service provision and today looks back over a 140 year history as an independent expert appraisal organisation – both nationally and internationally.

The first class reputation of the brand TÜV SÜD ensures the high level of acceptance of our reports and certificates.

Further information can be found at:
www.tuev-sued.com

**Simply phone us for a personal consultation or
send us an e-mail – we look forward to hearing from you!**

A glossary relating to the subject area, a description of numerous CDM and JI projects and comprehensive further information is available at www.netinform.net – TÜV SÜD's industry portal.





Industrie Service



www.tuev-sued.com

We have international representation

Through us, you have access to the entire know-how of the TÜV SÜD Group.

Don't hesitate to call us. We are happy to advise you.

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