

# Energy Efficiency Policy Support



## Energy Efficiency Solutions

Making energy efficiency policies and programmes effective and efficient

Energy Efficiency is proving very effective in helping to slow down global greenhouse gas emissions. Well-designed policies and programmes are instrumental in sustaining this effect. Based on a good understanding of the energy savings potential in various sectors and the energy efficiency projects pipeline, Tractebel is an ideal partner to support public authorities in designing or improving such energy efficiency policies.

### Our approach

We support **public authorities** from **all competence spheres** and in **all countries** of the world.

We work **directly** for such public authorities as well as via **International Financial Institutions**.

We also support **utility** owners and operators in their implementation of a Demand Side Management programme or an Energy Efficiency Obligation scheme

### Our added value

- Our services span **the whole cycle of policy making**, covering:
- The assessment of the energy savings' potential, via sector or country benchmarks
  - Drafting energy efficiency roadmaps and action plans, fine-tuned to the characteristics of each sector
  - The design and evaluation of energy efficiency policies by examining the interaction of involved stakeholders

### Energy Efficiency Strategy



### Client benefits

- **Independent advice** based on an energy system perspective and an energy transition philosophy
- **Hands-on support** backed by strong experience from realised energy efficiency projects in numerous sectors
- Top knowledge of **best practice policies and programmes** thanks to our presence worldwide



## Energy Efficiency Policy Support:

Our support for public authorities is based on a combination of deep energy system thinking and experience in project implementation. This holistic perspective ensures that our advice is aligned with a country's specific conditions and is validated against achieved energy savings in various sectors.

### Energy system thinking

#### Balancing demand and supply.

Energy demand reduction and renewable energy supply are two main routes to decarbonise an energy system. In our commitment to help curb greenhouse gas emissions, our experts consider both routes in parallel and look for a mix of policies options with the maximum impact and the least costs.

### Validated advice

#### Attuned to the governmental traditions.

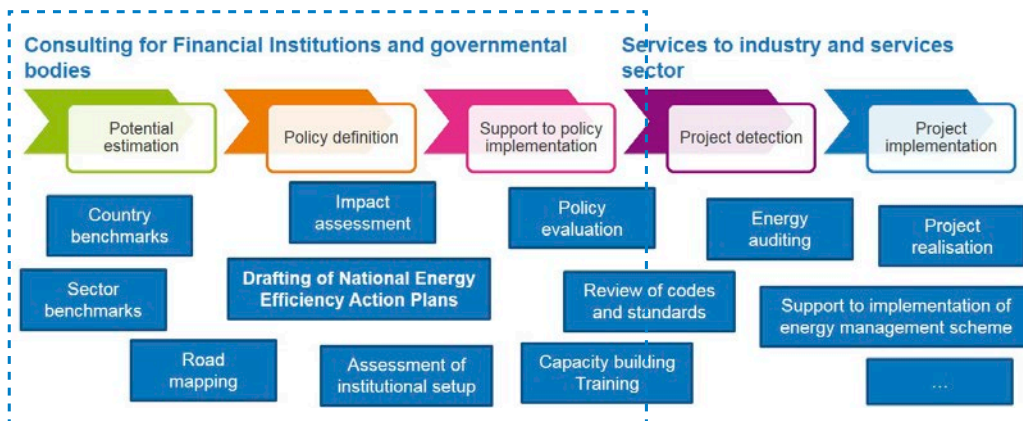
Understanding each client's political traditions and structures is always the starting point for our energy policy advice.

**Based on actual savings.** A long track record in implementing energy savings projects in various sectors provides a solid basis for the validation of estimated impacts of energy efficiency policies.

### Stakeholder involvement

#### Actor interaction mapping

Understanding the interaction between the different stakeholders is key to designing targeted policies. To this end, Tractebel has developed a method to map the interactions between all actors as a basis for policy design or evaluation.



## Some references

## Energy Efficiency Solutions

### Financing Energy Efficiency in the Residential Sector

Project preparation for the EBRD

#### Objective:

Support for the Romanian Ministry of Regional Development to include energy efficiency in the residential sector as a Priority Axis under the 2014-2020 Regional Development Operational Programme, supported by EU Structural Funds

#### Results:

- Assessment of the current situation in Romania on energy efficiency in the residential sector
- Presentation of a strategy for residential sector energy efficiency programme, proposed for EU co-financing, including estimation of benefits and costs

### Setting up a White Certificate scheme in Bulgaria

Strengthening the institutional capacity

#### Objective:

Support the Bulgarian Sustainable Energy Development Agency in developing its services in the field of energy efficiency

#### Results:

- Analysis of the regulatory, organisational and financial structure of the Tradable White Certificates market in EU, USA and Asia
- Determination of the necessary legal and institutional prerequisites for the implementation of a Tradable White Certificate scheme in Bulgaria
- Development of 50 specialised energy saving methodologies for a whole range of technologies (lighting, air compression, HVAC, etc)

### District Heating & Cooling strategies for European Cities

Providing input to local heating and cooling action plans

#### Objective:

To develop District Heating & Cooling strategies for local authorities

#### Results:

- Maps of heating demand and of potential supply points
- Reduction of heating demand: techno-economic assessments of building rehabilitation projects
- Supply of sustainable heat: techno-economic assessment of waste heat recovery as feed for district heating networks
- Stakeholder consultation on the proposed projects
- Project implementation roadmap as input for the local heating and cooling action plan

### TRACTEBEL

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