



Good practice: Contracting: Police Academy Wiesbaden, Hessen

Contracting can thus contribute to the energy transition in companies, municipalities and private households in Hessen.

The state of Hesse has set itself the goal to advance contracting (also known as ESCO) in Hesse in order to save energy costs and greenhouse gases. Especially municipalities can benefit from this service. This service models enable access to energy saving potential without providing investments and know-how by the owners of the building. It covers every power stage to implement modernization and facility measures. The investment risks are remaining with the contractor. Energy saving contracts comprises development, implementation, investment, operational management and maintenance out of one source.

The Police Academy in Wiesbaden got a new energy system for power and heat for their 60.000 sqm building via this energy service. The building of the police academy in Wiesbaden is in public hands, that means the land Hessen is owner of the real estate.

There are energy savings realized, which are taking for refinancing energy engineering: It was installed a 90 kW biomass grate firing system from cascade use, two combined heat and power plants, two gasoline low-temperature boilers. In addition, a complete modernization of the building technology took place.

Service donor is HessenEnergie in Wiesbaden. HessenEnergie is one of the few providers for municipalities and the public sector.

Resources needed

HessenEnergie has invested 1.2 mio. € in its own financing. The customer has nothing to do with that. The costs for the services are to be financed from the savings achieved. After completion, the customer will benefit from the achieved cost savings, which according to experience are up to 15%.

Evidence of success

Though getting released from financing risks and building up know-how, contracting is a good solution for public sector buildings. On both sides earnings and savings can be achieved. Profitability in this field is a strong leverage for project implementation.

This example of Police Academy Wiesbaden will save 10.000 t of CO₂ in the course of the next 10 years.

Difficulties encountered

To start projects like this one, actors must collaborate with a trustworthy energy service provider. They must be sure, that the project is well calculated and implemented with a high level of experience.

Pilot schemes run the risk of a fast spread of negative information and cured failure.

Potential for learning or transfer

The gaining that can be used to refinance the executed investments. The contracting taker gets a low risk and sustainable energy system and participates in the energy saving on a long-run. In the described project Hesse as customer sets a good example. Thus, the contracting model will be familiar in the region of Hesse.

For Hesse not only energy savings arise. Also, on the other hand the free resources can be invested in new RES projects in Hesse. Furthermore, the state provides one of its buildings as a room for testing and implementation of contracting models.

Tags: financial instruments , Innovative Business Models , 0

Project

FIRESPOL

Main institution

other

Location

Darmstadt, Germany (Deutschland)

Start Date

February 2015

End Date

Ongoing

Further information

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