

Newton project, Berlin-Adlershof - Monitoring and optimising the operation of solar heat and power supply from "Plus-Energie" buildings with return-side connection to district heating

Project management: Prof. Dr.-Ing. Lars Kühl

Summary: The project will provide scientific support in the implementation of the heat supply of the "Plus-Energie" settlement in Berlin-Adlershof, on the secondary side of the network connection. The main focus of the considerations are:

- the development of the control concept for the secondary network connection and distribution,
- the determination of the size of the heat-side storage required,
- ensuring a sufficiently high temperature in the hot-water distribution network,
- the fulfilment of the "Plus-Energie" specification by using the energy generated as heat and electricity, to meet requirements in terms of final and primary energy and
- proof of functionality within the framework of monitoring the operation.

Funding: Federal Ministry for Economic Affairs and Energy

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Organisational unit: Faculty of Supply Engineering

Research areas:

Gefördert durch:



Salzgitter

Suderburg

Wolfenbüttel

Wolfsburg