

Kassel (Zum Feldlager), Germany

In the housing area “Zum Feldlager” in the city of Kassel, Germany, low-temperature district heating is being investigated. The area consists of 140 new low-energy houses (annual specific heat demand 45 kWh/m²). CHP and a ground-source heat pump are options investigated for supplying heat, together with heat storage. DHW is planned to be supplied with solar thermal systems, backed up by electrical heaters, which enables a very low DH supply temperature of 40°C. For the distribution system, plastic pipes are foreseen, reducing both investments and installation time.