LEXU II – Low Exergy Utilisation

Field test of an outlying wall tempering for building refurbishment, together with heat pump, PCM-storage and PVT collectors

Short description of the project LEXU II:
The main part of the research project „LEXU II“ (FKZ 0327370Y) is the field test of the outlying wall tempering (aWT). The aWT is a panel heating, that is attached between the existing wall and the new thermal insulation. Depending on the position of the panel heating in the wall cross-section, very low supply temperatures (LowEx) can be used in the aWT. Moreover the existing wall will be thermally activated.

Layout of the field test system

PVT (photovoltaic thermal hybrid) collector

The outlying air tempering (aLT)

The outlying wall tempering (aWT)

Project coordination: izes gGmbH
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Funded by:

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