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Valorization of low-grade waste heat

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Low-grade heat is available everywhere and sometimes in large quantities; consequently, the valorization of this heat seems to be attractive in terms of economics.

We will discuss the issue first from a theoretical point of view; then some examples will be given, namely using waste heat from engines for intake air cooling, the Honigmann process for storing and conversion of low-grade heat, and recent developments of absorption chillers.

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Session Classification: Energy Efficiency Examples