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Sommario/riassunto	High and rising energy and fossil fuel prices and the requirement to reduce CO2 emissions are strong drivers for innovative technical solutions. Highly energy intensive industries, like cement, are looking rigorously for solutions to reduce their dependence on energy costs. One untapped energy resource is the vast amount of low and medium temperature heat lost in cement plants and processes today. We will show our technical solution to convert low temperature waste heat into electricity and provide answers to the following key questions: What are possible heat sources in the cement process that can be used? How does our new type of small ORC power plant convert the waste heat into electrical power, without using additional primary energy or generating CO2 or other emissions? What are the benefits of the waste heat recovery system? What is the impact on energy efficiency and operational costs?.