

This presentation examines the successful implementation of precast energy piles at the Centrum Pile factory in Kollanda, developed in collaboration with EnergyMachines. The project demonstrates the potential of energy piles as an integrated geothermal solution, providing heating, cooling, and hot water year-round without reliance on external energy sources. Through a detailed analysis of system performance, operational efficiencies, and key technical insights, this presentation will explore the broader implications of energy piles for sustainable construction. By reflecting on the challenges and lessons learned, we aim to contribute to the ongoing development and wider adoption of energy pile technology in the built environment.