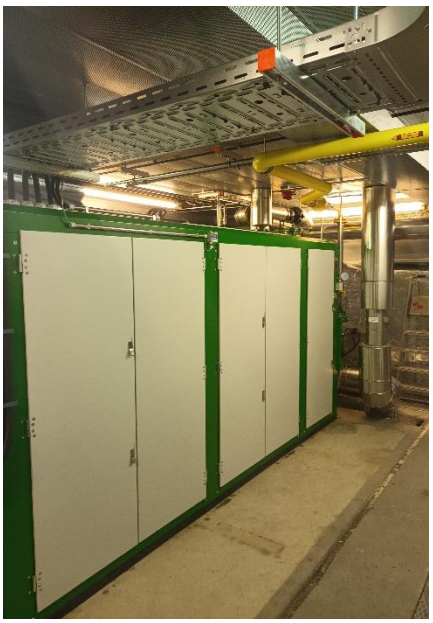
Efficient Heat Supply for the Zwieseler Recreational Pool



The Zwiesel recreational pool will in future be supplied with reliable and energy-efficient heat by a modern combined heat and power plant. The new system, an aura 406 from 2G Energy, delivers 192 kW of electrical power and 285 kW of thermal power, achieving an overall efficiency of 93.4%. This means that almost all of the energy used is utilized, stabilizing the pool's operating costs in the long term.

The CHP plant is currently powered by natural gas but still has a very favorable primary energy factor of 0.09. Looking ahead, the municipal utilities are considering the use of biomethane to further decarbonize the heat supply for the recreational pool and increase the share of renewable energies.

The project was planned by the engineering firm Kopp from Frauenau. The company Heizungstechnik MaM from Bischofsmais was responsible for the installation and heating technology implementation. 2G Energy took care of the delivery of the CHP plant. Close coordination between all parties involved and on-time implementation were the focus throughout the entire project.

Tobias Probst, plant manager at Stadtwerke Zwiesel thanked all partners involved for their professional cooperation and emphasized:

“Thanks to expert planning, reliable execution, and constructive cooperation between all parties involved, the project was completed efficiently and successfully. The new CHP plant sustainably improves the

energy efficiency of the leisure pool and creates a future-proof heat supply.”

Erholungsbad Zwiesel
https://www.erholungsbad-zwiesel.de/

aura 406
Natural gas
192 kW electric
295 kW thermal