



Turning AI Data Center Waste Heat Into Electricity

**Infinity Turbine
LLC**

[TEL] +1-608-238-6001 (Chicago)

[Email] greg@infinityturbine.com

<https://www.infinityturbine.com/turning-data-center-waste-heat-into-electricity-by-infinity-turbine.html>

Modern AI racks reject an enormous amount of low-grade heat — typically 40–50°C water leaving a liquid-cooling loop. It's tempting to ask: can that heat be turned back into electricity with a small turbine, instead of just being dumped to a cooling tower. This article works through that question quantitatively, using real fluid thermodynamics (CoolProp/HEOS) to compare three working fluids and three expander technologies on a like-for-like basis.



This webpage QR code

PDF Version of the webpage (maximum 10 pages)
