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Advanced Thermovoltaic Systems (ATS) has developed a simple, safe, and scalable technology to capture waste heat and convert it into electricity, offering a game-changing solution for heavy industries like cement and steel production.



Advanced Thermovoltaic Systems specializes in the discovery of all temperature heat to power at a megawatt-scale. Its patented, disruptive, heat-to-value solution transforms previously rejected heat to enterprise competitive advantage. Industries. Energy, Renewable Energy. Stage. Seed. Employees. 1-10.



One of the 20 winners was the Advanced Thermovoltaic Systems (ATS) team, including Jake Perez, a RASEI alum. The ATS team was awarded the distinguished 2024 Earthshot "Fix Our Climate" prize for their transformative efforts against climate change. Chosen from 5,342 nominations across 141countries, this prestigious award was recently

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Advanced Thermovoltaic Systems specializes in the discovery of all temperature heat to power at a megawatt-scale. Its patented, disruptive, heat-to-value solution transforms previously rejected heat to enterprise competitive advantage. Products and Services. Powered by AI.

Advanced Thermovoltaic Systems waste heat collection unit. Photo: Advanced Thermovoltaic Systems. The five winning projects of this year's Earthshot Prize have been announced. They include a technology designed to capture waste heat and convert it into usable and clean electricity, and a company providing sustainable refrigeration systems to

Advanced Thermovoltaic Systems (ATS) is revolutionizing the way industries manage waste heat, providing the world's first and only solid-state solution that converts industrial waste heat into clean, sustainable electricity without the need for turbines or moving parts. ATS offers a 99% circular, scalable, cost-effective, and revenue-positive

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Advanced Thermovoltaic Systems | 432 followers on LinkedIn. We harness our planet's most important and undervalued asset, waste heat energy, to create something Simply Powerful. | Single use heat is our planet's most important undervalued asset. We pioneered breakthrough all temperature heat to power at megawatt scale. Our patented, disruptive, heat to value solution ???

Advanced Thermovoltaic Systems has received \$1m funding from The Earthshot Prize to scale its technology which captures industrial waste heat and converts it into electricity. The winner of the "Fix our Climate" category believes its technologies have the potential to save "gigatonnes" of carbon dioxide (CO2) and could be a "game



Advanced Thermovoltaic Systems" modular solid-state systems are not only more efficient than existing theromovoltaic solutions but offer higher density. The heat-to-power efficiency today is at 13 to 14%, with projections to get to 24% (1/3 of the use of the theoretical limit of waste heat).

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Advanced Thermovoltaic Systems, High Ambition Coalition for Nature and People, Keep IT Cool, Altyn Dala Conservation Initiative and Green Africa Youth Organization (GAYO) revealed as 2024 Earthshot Prize Winners during star-studded ceremony broadcast live across 50 African countries Each Winner to receive ?1 million to accelerate and scale the ???