Nicaragua advanced thermovoltaic systems

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Canadian-based Advanced Thermovoltaic Systems (ATS) was recognised for its technology to capture and convert industrial waste heat into sustainable electricity without the need for moving parts. It won the "Fix Our Climate" Prize at this year"s Earthshot Awards Ceremony, held last week in Cape Town, South Africa.

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.

Initially investigating advanced materials the company could use for solar panels, the Advanced Thermovoltaic Systems (ATS) team realised that its panels could generate electricity without light, only requiring waste ambient heat.

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.

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. These industries require extremely high temperatures, which generate vast amounts of waste heat that is ...

Founded in 2008, Advanced Thermovoltaic Systems, LLC (ATS) is developing a thermovoltaic device also known as a thermoelectric generator (TEG) to convert heat directly into electrical energy through the Seebeck effect. After more than 12 years of research, design, and development yield, ATS has patented its device.

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