

## Solar Energy South Africa

# Armenia anthro energy



## Overview

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Who is Anthro energy?

The Anthro Energy team in the lab (from left to right): Christina Luu '16, Matt Klonkowski, Shane Sheraman, David Mackanic Ph.D. '20 , Joe Papp (Photo Courtesy of David Mackanic) David Mackanic Ph.D. '20 founded Anthro Energy, a startup attempting to change the way batteries are made, after a breakthrough in his research on lithium-ion conductors.

Does Armenia have solar energy?

Armenia has significant solar energy potential: average annual solar energy flow per square metre of horizontal surface is 1 720 kWh (the European average is 1 000 kWh), and one-quarter of the country's territory is endowed with solar energy resources of 1 850 kWh/m<sup>2</sup> per year. Solar thermal energy is therefore developing rapidly in Armenia.

What percentage of Armenia's Energy is renewable?

Renewable energy resources, including hydro, represented 7.1% of Armenia's energy mix in 2020. Almost one-third of the country's electricity generation (30% in 2021) came from renewable sources. Forming the foundation of Armenia's renewable energy system as of 6 January 2022 were 189 small, private HPPs (under 30 MW), mostly constructed since 2007.

How important is R&D in energy technology and innovation in Armenia?

Research and development (R&D) in energy technology and innovation in Armenia is not significant, though it is becoming more important. The government's plan to develop new renewable energy technologies will increase the need for technology and innovation funding, and for skilled human resources.

What makes Anthro a good battery manufacturer?

Anthro's materials cost matches that of regular lithium-ion batteries, and the

process is compatible with existing battery manufacturing facilities, which has been a scale-limiting factor for many new battery technologies.

How many HPPs are there in Armenia?

Forming the foundation of Armenia's renewable energy system as of 6 January 2022 were 189 small, private HPPs (under 30 MW), mostly constructed since 2007. Installed capacity is approximately 389 MW for annual generation of 943 GWh, covering 14% of domestic supply.

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### [Anthro Energy](#)

"Anthro Energy is an exciting company addressing real fundamental issues impacting the battery market. Their technology has been proven and they are now embarking on the next phase of development to scale manufacturing", stated Ralph Schmitt, "I am excited to be able to contribute in even a small way after having led multiple companies through

## The US EV battery supply chain just got a vital link with the first

Anthro Energy just secured a \$24.9 million grant from the US Department of Energy to help bolster the domestic battery supply chain - a move that will have a big impact on US EV production.



### [Anthro Energy](#)

Anthro Energy may be growing as it has established partnerships since its launch in 2021, indicating an expansion of its business network and potential increase in market reach. The company's development of bendy batteries suggests innovation and advancement in product offerings, which could lead to increased demand and revenue.



## Anthro Energy to Move Headquarters From San Jose to

## Alameda ...

Anthro Energy will pack up its gear for making lithium batteries and move it across the bay to a new headquarters in Alameda. The San Jose-based battery maker has leased a 31,700-square-foot hub



### [Anthro Advanced Battery Cells](#)

Anthro's safe and structural batteries enable unprecedented performance, longer runtime, and new designs across a range of industries. Anthro cells provide high energy density, improved cycle life, and performance suitable for the most demanding applications. Improved Safety.

## Energy system transformation - Armenia energy ...

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### [Novel Electrolyte Solutions](#)

Anthro's polymer electrolyte is compatible with all battery form factors and can be tuned to meet the performance needs of any application. Compatible with the chemistry of today and tomorrow AdhesION(TM) electrolyte provides advantages ...

## [Anthro Energy](#)

Anthro Energy is actively using 12 technologies for its website, according to BuiltWith. These include SPF, Amazon, and Microsoft Exchange Online. UNLOCK PREMIUM DATA WITH DATABOOST Web Traffic by SEMrush. Edit Web Traffic by SEMrush Section. Traffic . Engagement . Monthly Visits 1,907.



## **Anthro Energy: Unlocking Better Batteries**

Enter Anthro Energy, a pioneering advanced battery company that's set to reshape the future of energy storage. While traditional lithium-ion batteries are bulky, rigid, and potentially hazardous, Anthro Energy has ...

## [Novel Electrolyte Solutions](#)

Anthro's polymer electrolyte is compatible with all battery form factors and can be tuned to meet the performance needs of any application. Compatible with the chemistry of today and tomorrow AdhesION(TM) electrolyte provides advantages for a range of Li-ion cell chemistries including NMC, HVLCO, LFP, as well as Si-anode, Li-metal, and beyond.



## [Anthro Energy Careers, Perks + Culture](#)

Anthro is reimagining the future of energy storage. We are an advanced materials company developing solutions to some of the biggest problems facing the battery-dependent electrified future. Spun out of Stanford University, we've created high-performance batteries with structural integrity and total

safety. Today, our customers use our

## [Anthro Energy](#)

Anthro Energy unlocks never before seen applications of electronics with an entirely new category of lithium-ion battery that decouples its form from its function. Anthro's novel polymer electrolyte renders batteries flexible (like rubber) or hard (like rock). Now the unused volumes of electronically powered devices like the wristband of a watch, or the wing of a drone, can ...



## **The US EV battery supply chain just got a vital link with the first**

Anthro Energy just secured a \$24.9 million grant from the US Department of Energy to help bolster the domestic battery supply chain - a move that will have a big impact on US EV production. The Office of Manufacturing and Energy Supply Chains grant is part of the DOE's push to modernize US infrastructure and boost clean energy innovation

## **Energy , Open Encyclopedia of Anthropology**

Energy is central to everyday life and industrial production, and is a major concern and focus of public policy. Its production from different sources, its use, and the societal and climatic consequences of energy systems have increased the attention paid to energy in recent years. Energy anthropology provides an in-depth understanding of the social, cultural, and ecological





[Anthro Energy](#)

Anthro Energy is inventing cutting-edge battery materials that pave the way to a safe, sustainable, and electrified society. They are developing a massively scalable solution to eliminate tradeoffs between energy density and safety in lithium-ion batteries. The result is batteries that are lighter, safer, and longer lasting, that can be built

[Anthro Energy](#)

Anthro Energy aims to bring its bendy batteries to market with help from an oversubscribed \$7.2 million seed round. Bendy batteries could power new categories, and Anthro Energy thinks its cracked the code by Tim De Chant originally published on ...



LiFePO <sub>4</sub> Battery, safety	
Wide temperature: -20~55°C	
Modular design, easy to expand	
Wall-Mounted&Floor-Mounted	
Intelligent BMS	
Cycle Life: > 6000	
Warranty: 10 years	

[Anthro Energy](#)

Anthro Energy has 2 current employee profiles, including Co-Founder & Chief Technology Officer Joe Papp. Contacts. Edit Contacts Section. Job Department. Protected Content. Founder. Non-Management, Executive. 2 emails found 1 phone number found . View . Protected Content. Engineering. Non-Management Engineering. 1 email found .

**Anthro Energy Venture Capital and Private Equity Financings**

Anthro Energy Inc. is reimagining the future of energy storage. Anthro is an advanced materials company developing solutions to some of the biggest problems facing the battery-dependent electrified future. Spun out of Stanford and based in San Jose, Ca, Anthro has created high-performance batteries with structural integrity



and total safety.



## Q& A: Battery startup co-founder on creating a flexible, wearable ...

David Mackanic Ph.D. '20 founded Anthro Energy, a startup attempting to change the way batteries are made, after a breakthrough in his research on lithium-ion conductors. Mackanic plans to use

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