



Securing Clean Lithium for the Future

Cypress Development Corp. is focused on developing its Clayton Valley Lithium Project in Nevada and strengthening America's mineral security with the cleanest form of lithium.

Lithium A Critical Mineral for the Future

As the world grapples with rising fuel and energy prices, securing the raw materials needed for electrification domestically is essential.

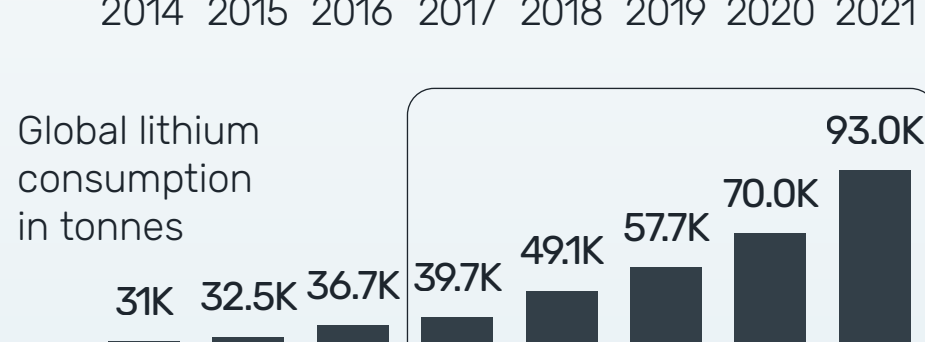
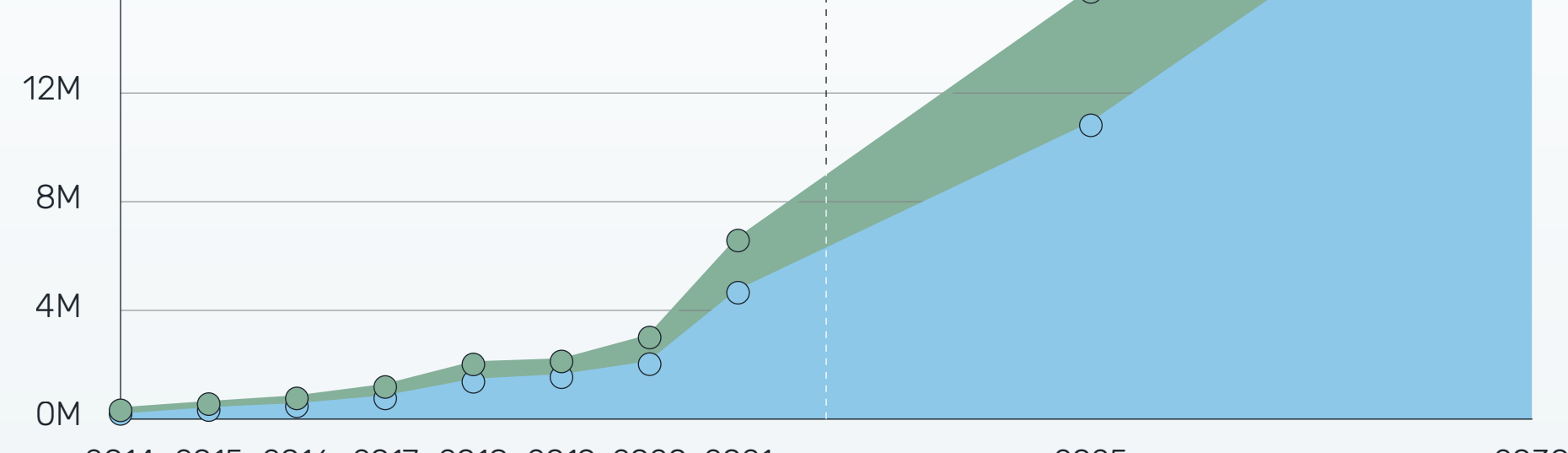
Lithium is the essential material in lithium-ion batteries, used in EVs and for general electricity storage.



Rising Global EV Sales Spur Lithium Consumption

● Battery Electric Vehicles (BEV) ● Plug-in Hybrid Electric Vehicles (PHEV)

Global EV sales in millions



Sources: IEA, USGS



As consumption has risen over the past five years, lithium prices have **tripled**.

Securing U.S. Lithium Independence

Securing domestically produced lithium is vital for the U.S. to grow sustainably without relying on fossil fuels.

As the world's geopolitical situation grows increasingly complex, it's vital for North America to have a secure and sustainable domestic source of lithium.



Global Lithium-Ion Battery Supply Chain Ranking

While the U.S. is tied for second in terms of battery demand, other nations are far ahead when it comes to raw materials, manufacturing, and infrastructure.

	Battery Demand	Raw Materials	Manufacturing	Regulation, Innovations, and Infrastructure
1	China	China	China	Sweden
2	U.S., Germany	Australia	South Korea	Norway
3	U.S., Germany	Brazil	Japan	Finland
4	France	South Africa	U.S.	Germany
5	UK	Canada, Indonesia	Poland	South Korea
6	South Korea, Norway	Canada, Indonesia	Hungary	France
7	South Korea, Norway	Chile	Sweden, UK, India	Japan
8	Sweden	D.R.C.	Sweden, UK, India	UK
9	Japan	Philippines	Sweden, UK, India	Czech Republic
10	Australia, Canada	U.S., Turkey	Czech Republic	U.S.
11	Australia, Canada	U.S., Turkey	Vietnam	Slovakia

Source: BloombergNEF

Cypress Development is building out a premier claystone extraction facility to supply America with lithium.

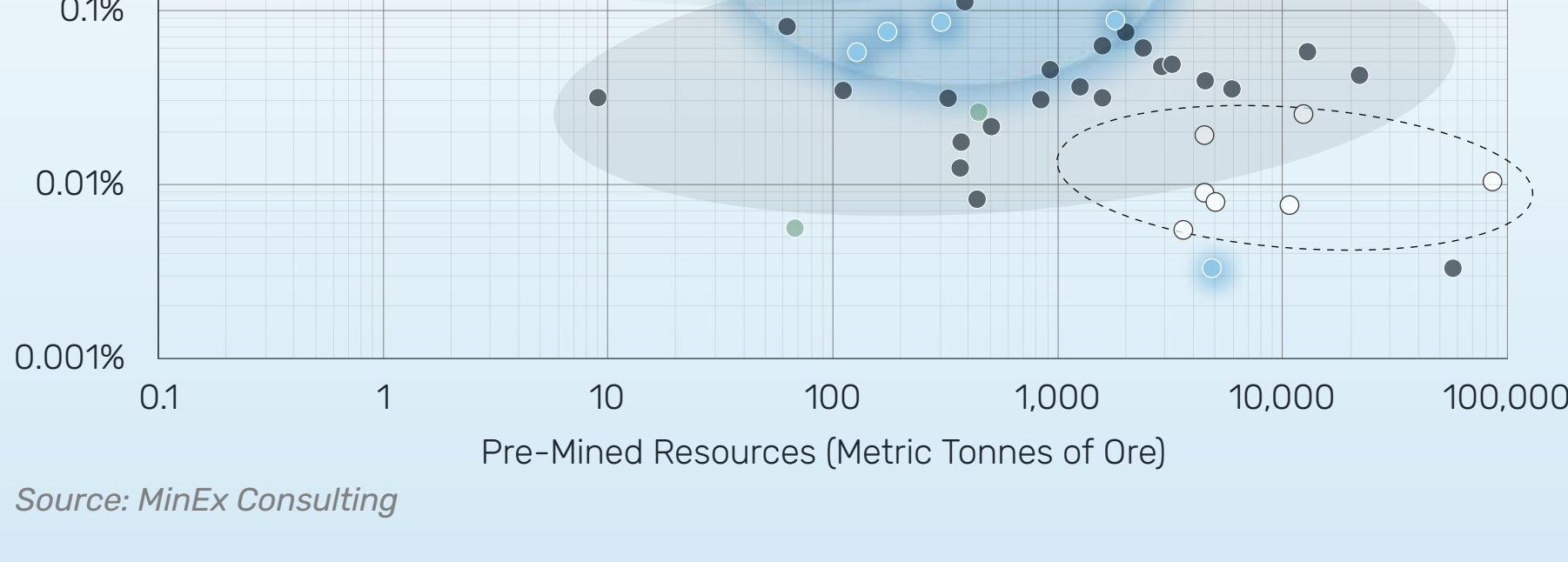
Why Claystone is the Future of Lithium Extraction

Lithium brine deposits tend to be low-grade and very water-intensive to extract, while hard rock deposits are often of a lower resource size.

Clay deposits are in the sweet spot of both high grades and larger resource sizes.

Lithium Deposit Types by Grade and Size

● Igneous ● Clay ● Brine ○ Unconventional



Source: MinEx Consulting

Developing One of Nevada's Largest Lithium Deposits

Cypress Development began as an exploration company in 2016, and is now developing one of Nevada's top three most advanced clay projects.

Based on Cypress Development's pre-feasibility study, the project is expected to produce 15,000 tpd over 40 years while innovating in sustainability.

The Clayton Valley project is of soft leachable clay, requiring no drilling or blasting.

Nevada



Instead of using sulfur, Cypress uses hydrochloride for greener tailings and to consume less water.

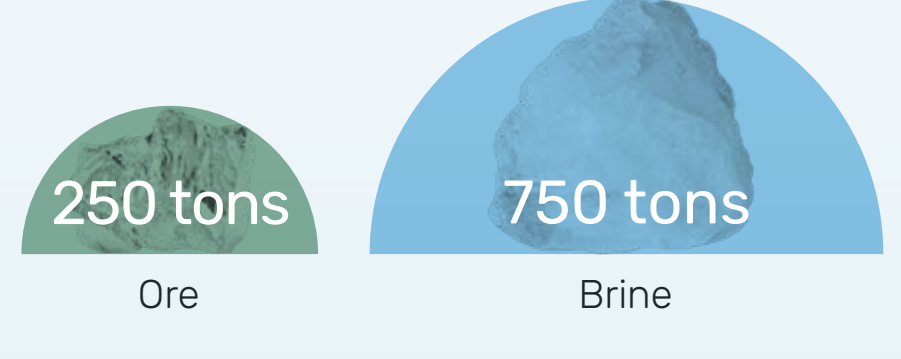


Cypress aims to tap into renewable energy sources like solar and geothermal to power operations.



Strategically located near the U.S.'s oldest and only lithium producing project, Albermarle's Silver Peak Mine, and Tesla's Gigafactory.

1 ton of battery-grade lithium can come from:



Source: Federal Consortium for Advanced Batteries

Direct Lithium Extraction (DLE) results recovered 99.5% of the lithium within the DLE portion of the Pilot Plant.

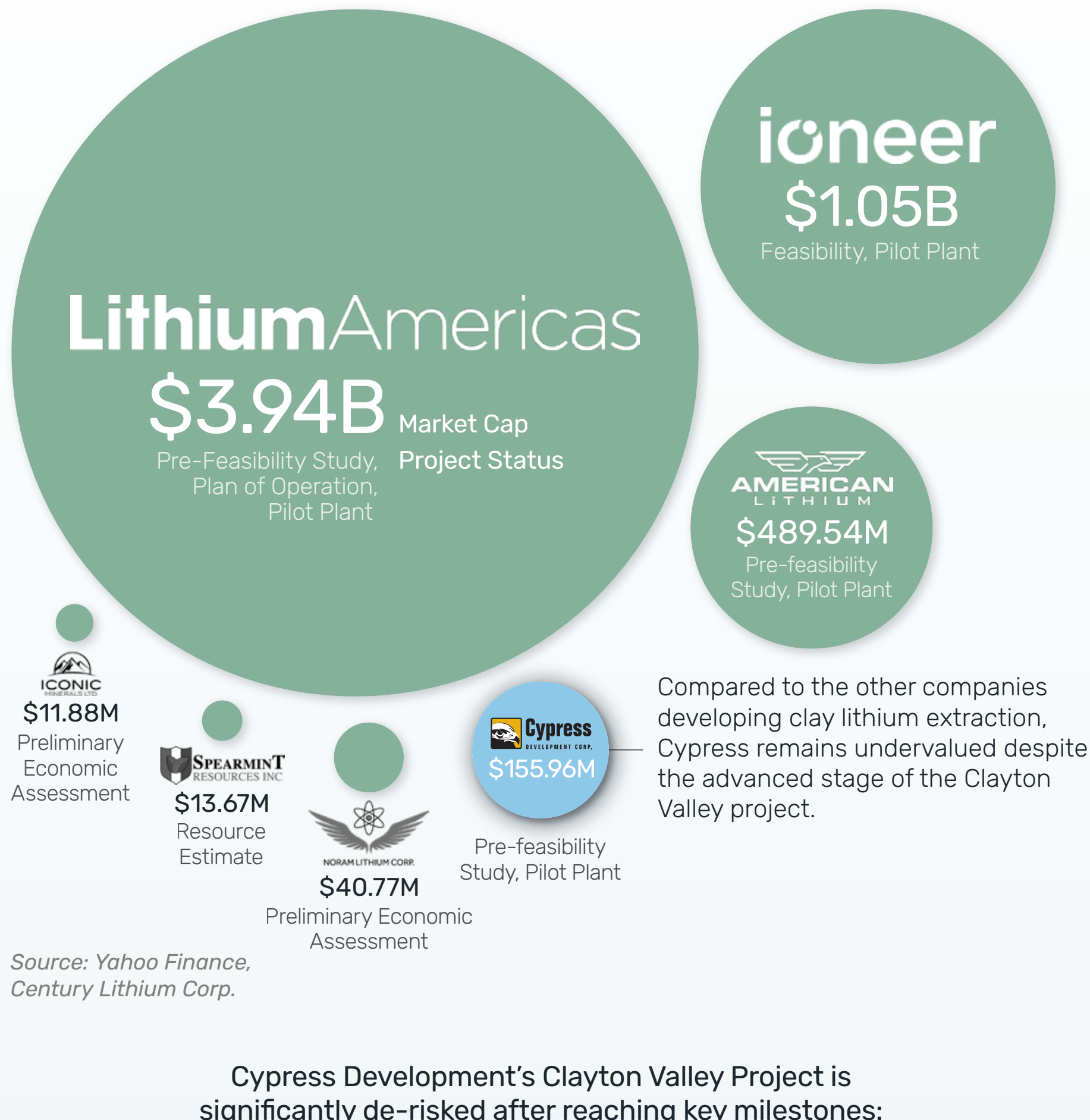
These high lithium recoveries were accompanied with high levels of impurity rejection.

Cypress Development's Position as an Undervalued Developer

With positive pilot plant tests, a completed Pre-Feasibility Study and an ongoing Feasibility Study expected to be completed by year end, the Clayton Valley project is significantly de-risked and progressing towards production.

The industry of clay lithium developers is still small, and Cypress Development's Clayton Valley is among the most developed projects.

Clay Lithium Developers Compared



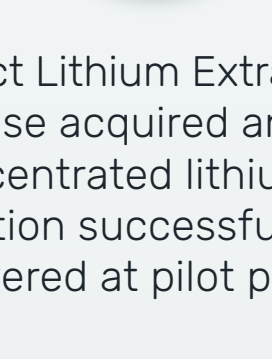
Source: Yahoo Finance, Century Lithium Corp.

Cypress Development's Clayton Valley Project is significantly de-risked after reaching key milestones:

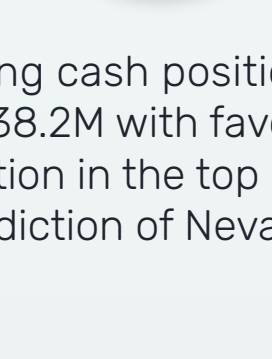


Water rights agreement completed Dec 2021.

Water is essential for lithium production and limited in Nevada.



Direct Lithium Extraction license acquired and concentrated lithium solution successfully delivered at pilot plant.



Strong cash position of \$38.2M with favorable location in the top mining jurisdiction of Nevada.

Cypress Development is positioned to provide America with clean lithium, domestically securing an essential raw material for the electrification of the future.



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Interested in learning more about Cypress Development?

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