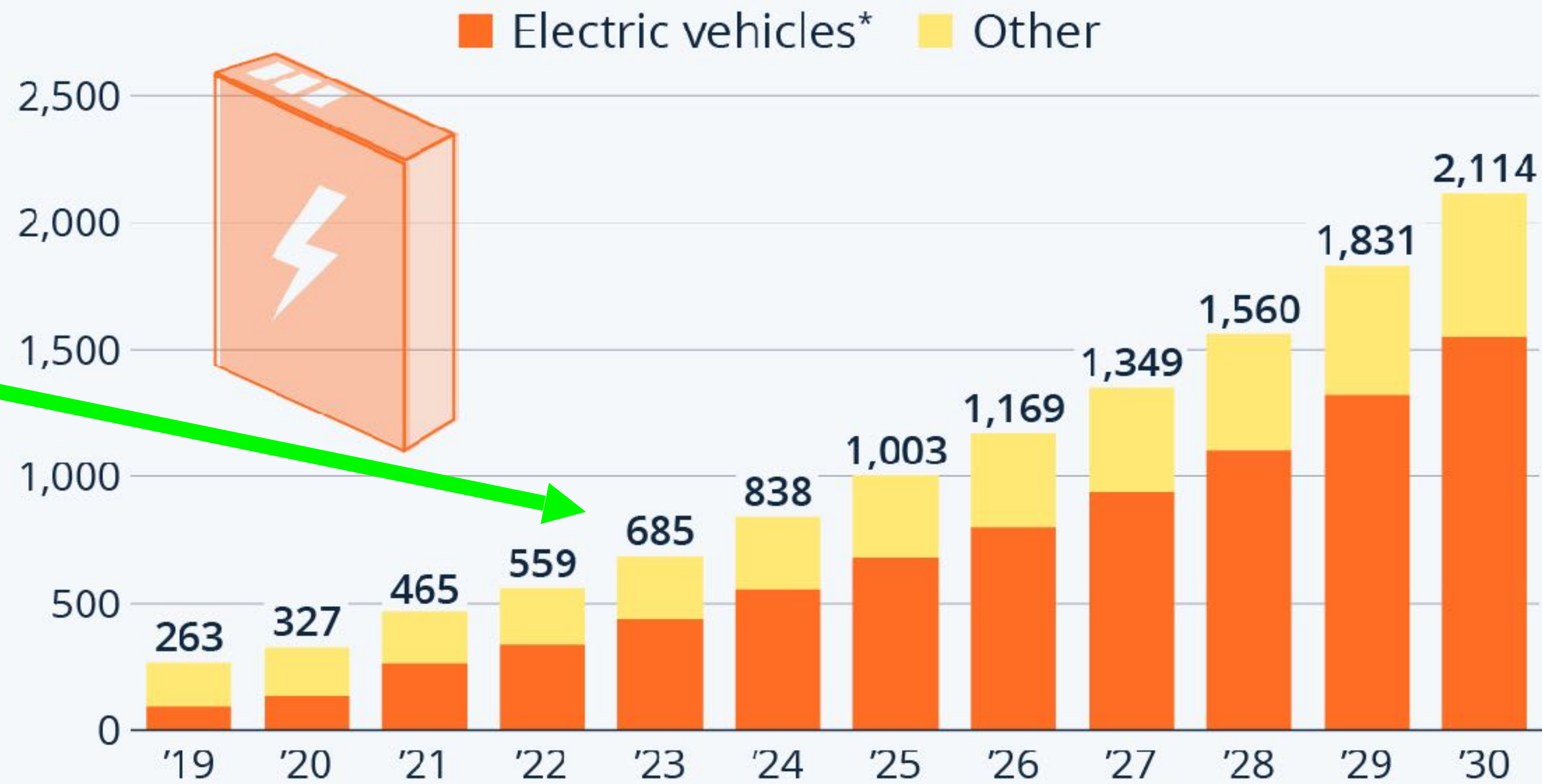




EVs Sending Lithium Demand Into Overdrive ?

Worldwide lithium demand from 2019 to 2030, by use (in 1,000 metric tons of lithium carbonate equivalent)



Forecasts from 2021

* BEV and PHEV

Source: The Chilean Copper Commission

DELIVERING INDUSTRIAL SOLUTIONS

Lithium

ExxonMobil has a long history of developing innovative products for the auto industry – from fuels to lubes to advanced plastics. Now we're adding a new one: lithium.

[Learn about Lithium](#) →

[Read the press release](#) →

November 13, 2023

After using conventional oil and gas drilling methods to access lithium-rich saltwater from reservoirs about 10,000 feet underground, ExxonMobil will utilize direct lithium extraction (DLE) technology to separate lithium from the saltwater. The lithium will then be converted onsite to battery-grade material. The remaining saltwater will be re-injected into the underground reservoirs. The DLE process produces fewer carbon emissions than hard rock mining and requires significantly less land.

Sources of Lithium Production

Conventional Sources

Hard Rock



- ✓ High Capex
- ✓ High Opex
- ✓ Environmentally Challenging

Salars



- ✓ South America Centric
- ✓ High Capex
- ✓ Long Development Timelines
- ✓ Environmentally Challenging

Next Generation

DLE Brine



- ✓ Speed to Market
- ✓ Relatively Low Capex & Opex
- ✓ Environmentally Friendly & Potentially Carbon Neutral