

# Growth in the U.S. Lead Battery Industry

## POWERING OUR ECONOMY



The U.S. lead battery industry makes a \$26.3 billion economic impact annually.

### Creating National Job Growth

Nearly **25,000 direct jobs**.   
 A **20% increase in reported direct jobs** since 2016.<sup>1</sup>

Over **92,000 total jobs** attributed to the lead battery industry. 

Compared to other private sector jobs, **average salaries in the lead battery industry are:**

- **96% higher** for recycling and mining workers
- **28% higher** for manufacturing workers

 Providing **direct jobs in 38 states**.

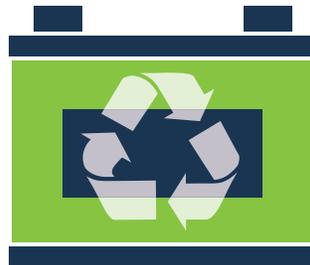
In 2018, the lead battery industry **invested over \$100 million in research and innovation**.

### Transporting and Connecting Our World

Lead batteries power **more than 275 million cars and trucks** in the U.S., delivering people to jobs, education and healthcare.<sup>2</sup> 

 Lead is the dominant battery chemistry **used to support a U.S. communications infrastructure worth more than \$1 trillion**.

Approximately **60% of all forklifts** in the U.S. use lead batteries to move the materials that fuel our economy.<sup>3</sup> 



### Feeding a Circular, Greener Economy

The **U.S. recycles over 99% of its spent lead batteries**.<sup>4</sup> A national network of manufacturers and recyclers support a use-reuse circular economy and green jobs. 

Worldwide, **nearly 100% of mass-produced hybrid and full-electric vehicles** use a lead battery. 

 **Over 70% of the world's rechargeable energy storage needs**, including the booming renewable energy sector's requirements, are met by efficient lead batteries.<sup>5</sup>

Start-stop technology utilizing lead batteries is **eliminating 4.5 million tons of greenhouse gas emissions** annually in the U.S.<sup>6</sup> 

Unless noted, all economic data in this graphic is sourced from "Economic Contribution of the U.S. Lead Battery Industry," Battery Council International, Sept. 2019.

<sup>1</sup> A direct comparison with 2016 data is 7% growth and a 20% increase overall when combining direct growth with transportation and distribution jobs, which some respondents did not include in the previous survey.

<sup>2</sup> Vehicles-in-Operation, IHS Markit, April 2019

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<sup>3</sup> Top 20 Lift Truck Suppliers in 2019: Market Reaches New Heights, *Modern Materials Handling*, 2019

<sup>4</sup> *National Recycling Rate Study*, Battery Council International, 2017

<sup>5</sup> *The Rechargeable Battery Market and Main Trends 2018-2030*, Avicenne Energy, May 2019

<sup>6</sup> Consortium for Battery Innovation, 2019

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