



Highlights from LG Energy Solutions recent roadmap presented at South Korea's "Battery Day 2021"

Here are some highlights from **LG Energy Solutions** recent roadmap presented at South Korea's "Battery Day 2021"

LG Energy Solutions EV, revealed

- Goal to be the **top EV battery** manufacturer by increasing sales to \$27 billion by 2024-260GWh production capacity by 2023 (world's highest battery production capacity)
- Introduce high-nickel **NCMA batteries** with 80% nickel content and **silicon-based anode** materials for large and full-sized luxury EV's
- Medium-sized EV's batteries will contain at least **65% nickel** content.
- Target small electric vehicles with cathode materials that are 10 to 20% cheaper
- Introduce **dry electrode** manufacturing starting from 2023.
- **Commercialize lithium-sulfur (LiS)** by the end of 2025 (both electric flight & EV's)
- All-**solid-state** batteries sometime between 2025 and 2027.
- Development of **sulfur-based all-solid-state** battery and **high-polymer all-solid-state** battery technologies at the same time.