



# Long-Life Batteries: Powering Tomorrow's Energy Needs

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## Why Your Battery Dies Too Soon (And What We're Doing About It)

Ever noticed your smartphone loses 20% capacity after a year? Now imagine that happening to solar farms storing energy for 10,000 homes. Long-life battery technology isn't just convenient--it's becoming civilization's backbone as we transition to renewables.

## The \$240 Billion Secret: How Degradation Eats Profits

BloombergNEF reports lithium-ion batteries typically degrade 2-3% annually. That adds up fast:

- Year 1: 97% capacity
- Year 5: 85%
- Year 10:

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