

# Lithium-Air Battery Could Have Up to 10x Storage vs Current Lithium-Ion Tech

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Will this Turn Out to Be the Battery Breakthrough We've Been Waiting For?

It's still too early to tell if this lithium-air battery technology will perform well enough to make its way to real-world products, but the lab results that have been publicized so far are very promising. With current battery chemistry, "energy storage is limited by the lithium cobalt oxide electrode (0.5 Li/Co, 130 mAhg<sup>-1</sup>).

The University of St Andrews design replaces the lithium cobalt oxide electrode with a porous carbon electrode and allows Li<sup>+</sup> and e<sup>-</sup> in the cell to react with oxygen from the air." This could allow up an increase in storage capacity by up to 10x. Read on for more details.