HOW BLOCKCHAIN TECHNOLOGY CAN TRANSFORM THE ELECTRICITY SECTOR

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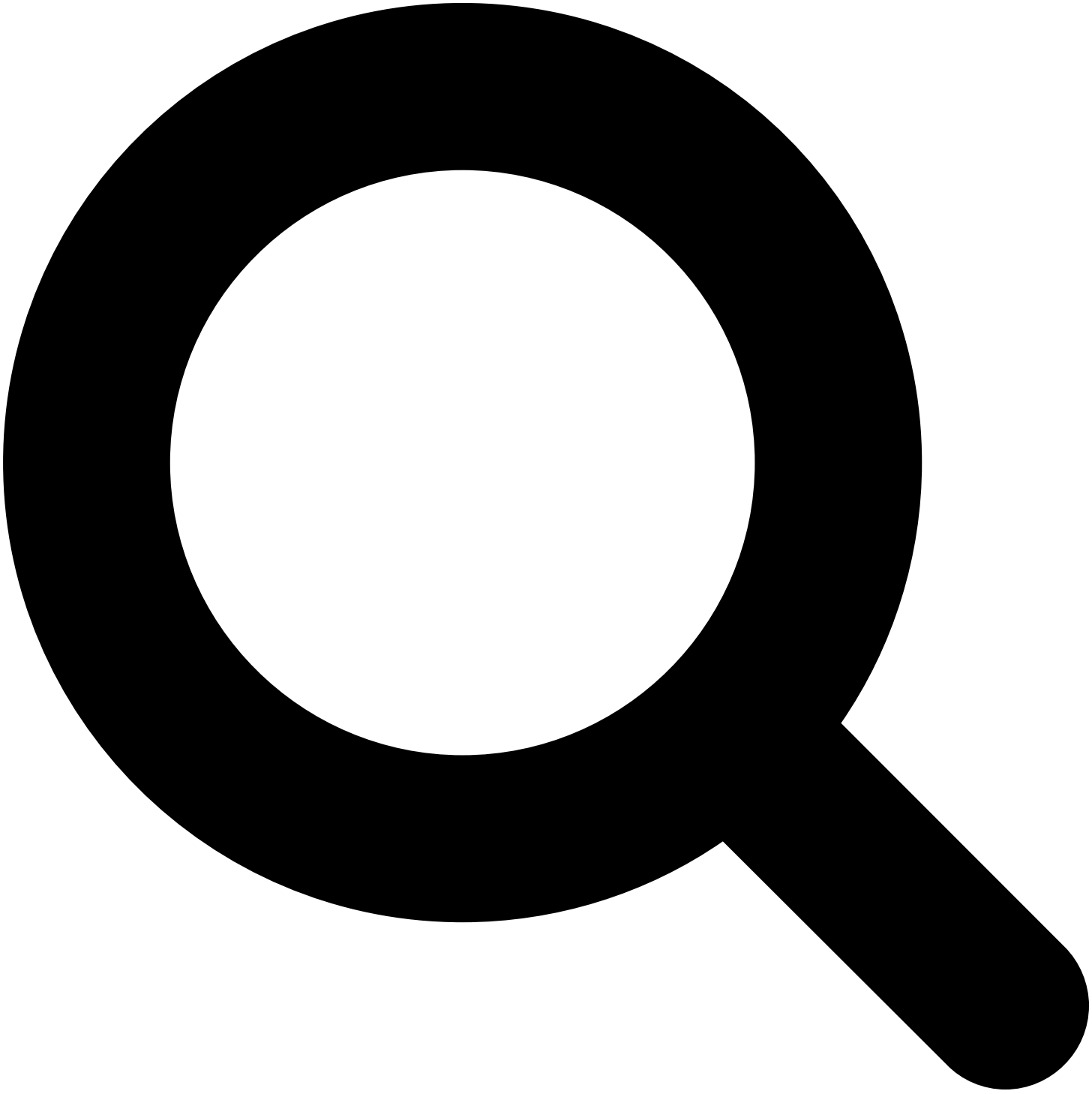

eniously simple protocol that allows transactions to be simultaneously anonymous and secure. It eliminates the need for a central authority to act as an intermediary to support each transaction, and with this can replace less efficient administrative systems. The blockchain serves to support Bitcoin and other cryptocurrencies, but beyond that it has the potential to completely transform a multitude of sectors, including, of course, electricity, where it can lead to

breaking the current hegemonic centralized model.

Today, we generally receive electricity on a regulated basis from a few power companies. However, as reported by *Wired* magazine, we have a greater variety of energy generation sources at the local level, since we have individuals who are committed to self-supply through, for example, solar panels installed on rooftops and rooftops.

The excess energy generated is poured into the central network to be distributed and marketed by the large electricity companies. The consumer, who may be on the same street as the producer of the energy, must go through the electric company to pay for electricity that his neighbor has generated. Given this, the blockchain, as a decentralized Internet technology, has the potential to support a system in which millions of households are autonomous agents that carry out automatic transactions *peer-to-peer* with their neighbors, without the need for intermediaries.

Although this reality may seem very distant to us, the truth is that independent solar and wind farms that feed the grid, often at intervals that are difficult to predict, require more decentralized and agile transaction systems. As Michael Liebreich, an analyst at *Bloomberg*, the old system of a few power plants and vertically integrated companies did not need blockchain, which it sees as especially compatible with renewables.

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