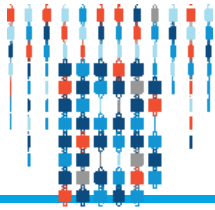


## SPECIAL REPORT: **BLOCKCHAIN WORLD**



**When Bitcoin was** unleashed on the world, it filled a specific need. But it wasn't long before people realized the technology behind Bitcoin—the blockchain—could do much more than record monetary transactions. That realization has lately blossomed into a dazzling and often bewildering array of startup companies, initiatives, corporate alliances, and research projects. Billions of dollars will hinge on what they come up with. So you should understand how blockchains work—and what could happen if they don't.

### Blockchains: How They Work and Why They'll Change the World

The technology behind Bitcoin could touch every transaction you ever make By Morgen E. Peck

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#### How Smart Contracts Work

Blockchain technology could run a flight-insurance business without any employees By Morgen E. Peck

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#### How Blockchains Work

Illustrated from transaction to reward By Morgen E. Peck

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### The Ridiculous Amount of Energy It Takes to Run Bitcoin

Running Bitcoin uses a small city's worth of electricity. Intel and others want to make a more sustainable blockchain By Peter Fairley

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#### Do You Need a Blockchain?

This chart will tell you if a blockchain can solve your problem By Morgen E. Peck

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### Wall Street Firms to Move Trillions to Blockchains in 2018

The finance industry is eagerly adopting the blockchain, a technology that early fans hoped would obliterate the finance industry By Amy Nordrum

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#### Blockchain Lingo

The terms you need to know to understand the blockchain revolution By Morgen E. Peck

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### Why the Biggest Bitcoin Mines Are in China

The heart of Bitcoin is now in Inner Mongolia, where dirty coal fuels sophisticated semiconductor engineering By Morgen E. Peck

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### Illinois vs. Dubai: Two Experiments Bring Blockchains to Government

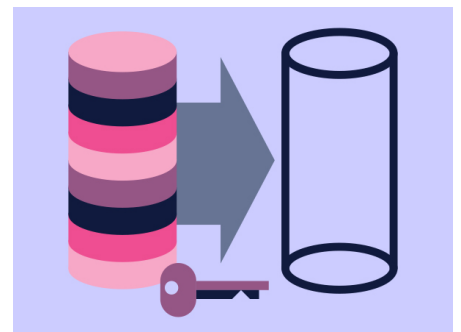
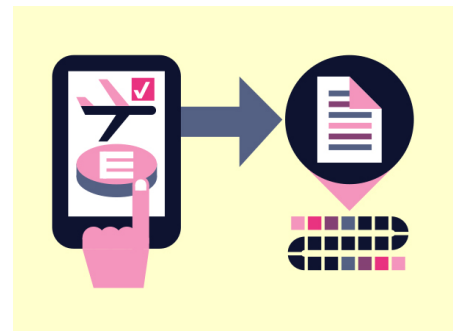
Dubai wants one blockchain platform to rule them all, while Illinois will try anything By Amy Nordrum

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### Blockchains Will Allow Rooftop Solar Energy Trading for Fun and Profit

Neighbors in New York City, Denmark, and elsewhere will be able to sell one another their solar power By Morgen E. Peck & David Wagman

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## Video: The Bitcoin Blockchain Explained

What is a blockchain and why is it the future of the Web? By Morgen E. Peck & IEEE Spectrum Staff

([/video/computing/networks/video-the-bitcoin-blockchain-explained](#))

