

BitAssets are less volatile

bitUSD ALWAYS

Dec

BitAssets can be sent around

the world for minuscule fees

Jan

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Feb

Bitcoin

JSD

Shanghai

LEARN MORE About Getting Started>

Mar

\$500

\$400

\$300

\$200

\$100

-\$100

Sept

New York

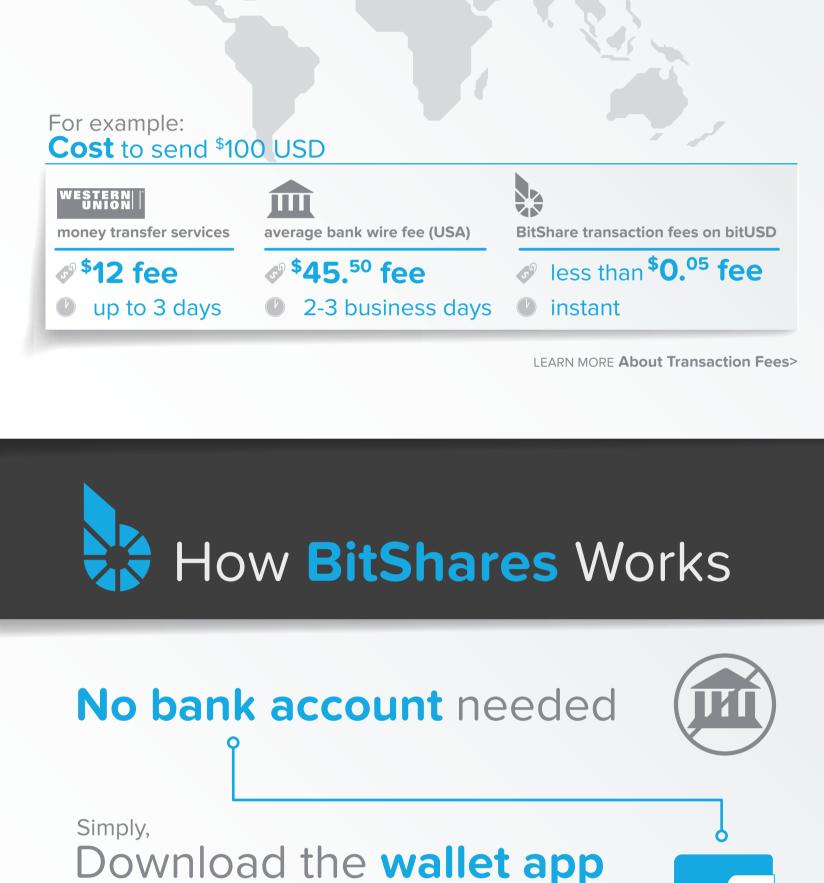
Oct

Nov

USD

bitUSD

Bitcoin-



and connect to the internet

Jack sends BitUSD to Jill

Jack requests his account to be

The transaction is

The transaction is **broadcast**

to the BitShares network,

where it is **confirmed** by a

randomly-assigned delegate

The transaction is added to a **ledger**

-\$1000 BitUSD and Jill's to be +\$1000 BitUSD

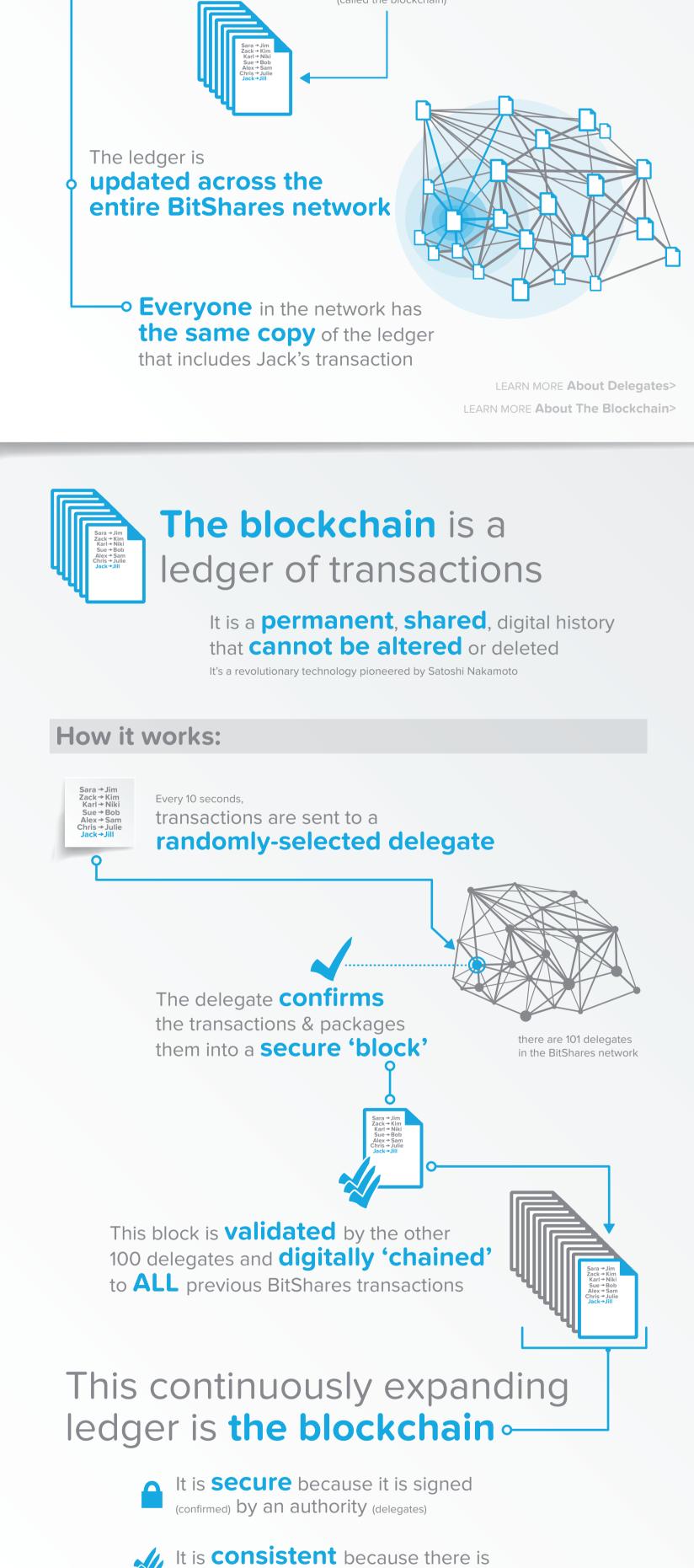
cyptographically signed by Jack

Jack → Jill

-\$1000 +\$1000

How it works:

Via the wallet app,



only one valid blockchain that is shared

are elected by BitShares shareholders

101 participants of BitShares

are voted in as delegates

Those with the most votes receive a delegate position

Responsibilities include:

(done automatically through a cryptographic algorithm)

Publish price feeds (this facilitates bitAsset trading)

(through code development, marketing, design and other roles)

Improve the ecosystem

paid by the blockchain

For most delegates, the payrate is to

(3% of the 50BTS currently paid out per validated block)

cover costs of running a block-producing server

(typically this is used to develop the BitShares ecosystem: developers, marketers and designers)

'Employment' is a democratic process

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Delegates can campaign for a higher payrate

Delegates are

The **blockchain** is my **BOSS**

Provide a random number in each block

Delegates do the 'work'

Building and maintaining BitShares as a company*

How it works:

It is **representative** because the delegates

LEARN MORE About Delegates>

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BitShares is not really a company in the

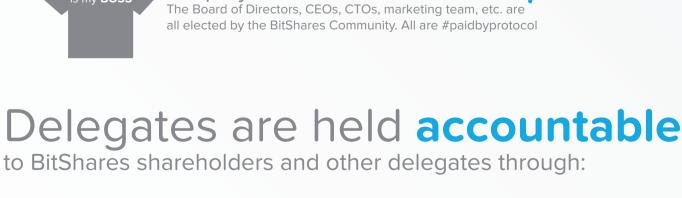
All those who own BitShares can vote for delegates

Package transactions into blocks and validate them

Maintain a consistent blockchain and verify

every other delegates blocks for consistency

standard sense...but can function in a similar way



News of their marketing and other efforts

If a delegate misbehaves or fails to deliver

s/he is quickly voted out by shareholders

The BitShares network uses a

system to ensure security

How it works:

CONSENSUS METHOD

Delegated Proof of Stake (DPOS)

Published statistics
See bitsharesblocks.com/delegates

Online forums and the monthly newsletter

(this creates positive competition among delegates)

DPOS is a mechanism to achieve 'consensus' about the content of a database (in this case account balances, account names, etc.) • BitShares and other cryptocurrencies (like bitcoin) use similar blockchain technology (which addresses how consensus is distributed: so everyone has the same data)

Delegated Proof

There are differences in how

consensus is achieved

bitshares vs bitcoin

Proof of Work

of Stake (DPOS) (POW) **Miners** TRANSACTION VALIDATORS **Delegates** (Validators are incentivized to maintain the network by being ■ Voted in Miners 'pool' together to paid block rewards) increase the chance to be They essentially work rewarded for the blockchain Reward is **shared U**= Reward corresponds to the percentage of total hash by delegates (mining) **power** one has Delegates (people) are paid Miners use powerful computer equipment to 'mine' for maintaining & improving the system Reward is **looped back** Miners use a portion of reward to pay for equipment into BitShares to enrich the environment and resource use (electrical utilities) to run the computation

BLOCK REWARDS (How those running the system are 'paid') **CONSENSUS Pre-determined order** Luck **EQUATIONS** * $\rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow$ **Efficient:** Inefficient; based on trust of delegates no trust required Works by solving cryptographi-Works by relying on trust of the delegates that are voted in cal math puzzles the hard way Delegates verify eachother Because of the complexity of the algorithm, energy is wasted System holds block producers during to validation/mining accountable **DECENTRALIZATION** 101 delegates **Less than 10** mining pools -----_____ -----------------------______ Located all over the world Located where electricity is cheap LEARN MORE About Delegates> LEARN MORE About The Blockchain>