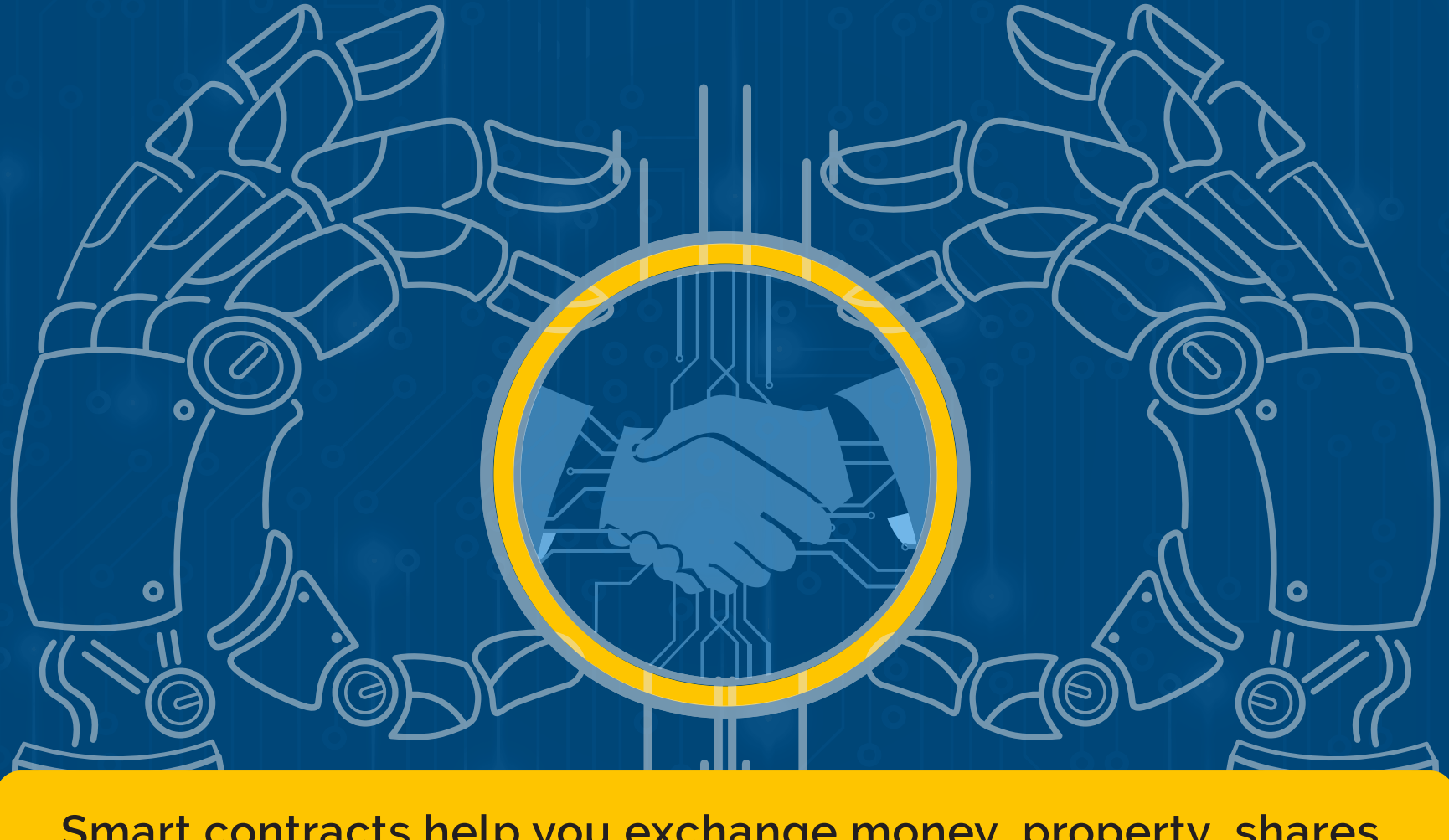


★ — WHAT ARE — ★ SMART CONTRACTS?



Smart contracts help you exchange money, property, shares, or anything of value in a transparent, conflict-free way while avoiding the services of a middleman.

Like many ideas in the Blockchain industry, a confusion regarding Smart Contracts shrouds among us.

Let's try to clear out some of them.



IN THE CONTEXT OF BLOCKCHAINS AND CRYPTOCURRENCIES, SMART CONTRACTS ARE:

- Pre-written logic (Computer Code)
- Stored and replicated on a distributed storage platform (e.g.; a Blockchain)
- Executed/run by a network of computers (usually the same ones running the blockchain)
- Can result in ledger updates (Cryptocurrency Payments, etc.)

ADVANTAGES OF SMART CONTRACTS ARE

<p>SECURITY</p> <p>The distributed Ledger is impregnable and immune to alterations.</p>	<p>DISINTERMEDIATION</p> <p>Enable parties to enter into agreements with reduced dependence on mediators.</p>	<p>NEAR REAL-TIME EXECUTION</p> <p>As it take place almost simultaneously for all parties, across participating computers.</p>	<p>TRANSPARENCY</p> <p>Create an environment of trust as the logic and information in the contract is visible to all participants.</p>
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SMART CONTRACTS CAN:

- ✓ Function as 'multi-signature' accounts, funds are spent only when a required percentage of people agree.
- ✓ Manage agreements between users, if one buys insurance from the other.
- ✓ Provide utility to other contracts.

SMART CONTRACTS CAN BE USED ALL ACROSS

THE CHAIN FROM FINANCIAL SERVICES TO HEALTHCARE TO INSURANCE

<p>GOVERNMENT</p> <p>Ledger-protected votes need to be decoded and require excessive computing power to access.</p> <p>Volunteers can cast vote online and millennials will turn out en masse to vote for their leader.</p>	<p>MANAGEMENT</p> <p>Business operations have to wait for approvals and for internal or external issues.</p> <p>Blockchain ledger streamlines this by reducing discrepancies leading to costly lawsuits and settlement delays.</p>	<p>CASE HISTORY</p> <p>In 2015, the Depository Trust & Clearing Corp. used a blockchain ledger to process more than</p> <p>\$1.5 quadrillion worth of securities, representing 345 million transactions.</p>
<p>AUTOMOBILE</p> <p>In Self-autonomous vehicles, Smart Contracts could detect whether the sensor, or the driver was at fault in a crash.</p> <p>Automobile insurance companies could charge rates based on where, and under which conditions customers are operating their vehicles.</p>	<p>REAL ESTATE</p> <p>The ledger cuts the cost of paying a mediator or a newspaper to advertise.</p> <p>Brokers, real estate agents, hard money lenders, and anyone associated can profit.</p>	<p>HEALTHCARE</p> <p>Personal health records could be encoded and stored with a private key granting access only to specific individuals.</p> <p>Receipts are stored and automatically sent to insurance providers as proof-of-delivery.</p> <p>The ledger could be used for general Healthcare Management, supervising Drugs, Regulation Compliance, testing Results, and managing Healthcare Supplies.</p>

SMART CONTRACTS ARE AWESOME!

HERE'S WHAT YOU GET:

AUTONOMY You're the one making the agreement; there's no need to rely on a broker, lawyer or other intermediaries.

<p>TRUST</p> <p>Documents are encrypted in a shared ledger so no way someone can say they lost it.</p>	<p>BACKUP</p> <p>Every one of your friends has your back.</p>	<p>SAFETY</p> <p>Cryptography, keeps your documents safe.</p>	<p>SAVINGS</p> <p>Save you money as there's no intermediary.</p>	<p>ACCURACY</p> <p>Not only faster and cheaper, but also avoid man-made errors.</p>
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THE FUTURE OF SMART CONTRACTS



- Law firms should tool up and build in-house capabilities for coding smart contracts.
- Students should learn both law and computer programming to bridge that gap between law and computer science.
- Open a lot of possibilities for new decentralized businesses, remove the need for expensive third party.
- Radical change in the international business market - speedy transactions, reduced paperwork, and cost-efficiency.
- Industries that could benefit significantly from Smart Contracts - Art, Music, Real Estate, Finance, Manufacturing, Retail, Supply Chain, and Telecom.