



UNDERSTANDING OF BITCOIN  
& WHAT IT MEANS FOR AVIATION

“I AM NOT A ZEN BUDDHIST;

I’M NOT ADVOCATING ZEN BUDDHISM;

I’M NOT TRYING TO CONVERT ANYONE TO IT.

I HAVE NOTHING TO SELL: I’M AN ENTERTAINER.

THAT IS TO SAY IN THE SAME SENSE THAT WHEN YOU GO TO A CONCERT,

AND YOU LISTEN TO SOMEONE PLAY MOZART,

HE HAS NOTHING TO SELL EXCEPT THE SOUND OF THE MUSIC.

HE DOESN’T WANT TO CONVERT YOU TO ANYTHING,

HE DOESN’T WANT YOU TO JOIN AN ORGANIZATION

IN FAVOR OF MOZART’S MUSIC AS OPPOSED TO SAY BEETHOVEN’S.

AND I APPROACH YOU IN THE SAME SPIRIT:

AS A MUSICIAN WITH HIS PIANO OR VIOLINIST WITH HIS VIOLIN,

I JUST WANT YOU TO ENJOY A POINT OF VIEW WHICH I ENJOY.”

~ ALAN WATTS

# OBJECTIVE

## ATTENDEES WILL OBTAIN THE FOLLOWING KNOWLEDGE:

- > GRASP OF INFORMATION THEORY
- > WHAT IS BITCOIN
- > WHY BITCOIN AND NOT BLOCKCHAIN
- > HOW TO PURCHASE BITCOIN
- > HOW TO SECURE THEIR OWN PRIVATE KEYS (BITCOIN)
- > WHO IS MARKETING “BLOCKCHAIN FOR AVIATION”



ANTHONY CLAVERO

- > AVIATION ENTREPRENEUR SINCE 22
- > BITCOIN MINER SINCE 2015
- > BITCOIN MAXIMALIST AFTER I SPENT SUMMER OF 2017  
INTERESTED IN “ALTCOINS” LIKE ETHEREUM AND SOME TOKENS.
- > INVESTOR AND ADVISOR  
TO COUPLE OTHER CRYPTOCURRENCIES:

PRIMECOIN  
BITCOIN PRIME



# ad>anced

EXPLORATIONS

ad>anced  
AEROSPACE COMPONENTS

BLOCKPLANE







ad>anced

THE NEXT GENERATION  
AEROSPACE INDUSTRY



# THE NEXT GENERATION AEROSPACE INDUSTRY

> **ADVANCED AEROSPACE COMPONENTS** GENSIS STEMMED FROM THE IDEA THAT THE WORLD'S LEADING MROS NEED GREATER ACCESS TO AFTERMARKET COMPONENT PARTS IF THEY ARE TO CONTINUE COMPETING WITH GROWING REPAIR FACILITIES OF OEM.

> **OUR GOAL** IS  
TO PROVIDE MROS  
WITH VALUE-DRIVEN  
PARTNERSHIP, ENABLING  
THEM TO STREAMLINE  
THEIR PURCHASING  
AND SPEND MORE TIME  
IN FRONT OF CUSTOMERS.

> **OUR PASSION** AND  
ENTHUSIASM IS REFLECTED  
IN OUR RESULTS,  
AS WE WORK TIRELESSLY  
TO FIND OUR CUSTOMERS  
END UNITS & PIECE PARTS FOR:

- > IDGS/CSDS
- > STARTERS
- > GENERATORS
- > STARTER GENERATORS
- > AC DC MOTORS

# POSITIONING

- > GIVEN THE RAPID TRANSITION TO NEW-GENERATION AIRCRAFT, OVER THE NEXT DECADE, IT IS CLEAR THAT PROVIDERS, AND -THE AFTERMARKET SUPPLIERS- MUST BE PREPARED FOR THE TYPE OF WORK ASSOCIATED WITH THE NEWER FLEET TYPES OR FOCUS THEIR STRATEGY TO CAPTURE END-OF-LIFE MARKETS.
- > AEROSPACE AFTERMARKET SUPPLIER EXECUTIVES HAVE A LONG HISTORY OF DEDICATING THEIR TIME AND EXPERIENCE TO MENTOR AND PREPARE THE NEXT GENERATION OF INDUSTRY LEADERS -YET SUPPLIER EXECUTIVES AND THE INDUSTRY AS A WHOLE CAN LEARN MUCH FROM TODAY'S YOUNGER, TECH-SAVVY, CONNECTED MILLENNIAL GENERATION.

# POSITIONING OPPORTUNITY

BE THE ONES THAT HAVE THE IDEAS ON HOW TO DEAL WITH  
THE CHALLENGES THE AFTERMARKET WILL FACE TOMORROW  
BE RECOGNIZED AS THE NEW GENERATION  
OWN THE MILLENNIALS' PERSPECTIVE OF THE AFTERMARKET SUPPLY CHAIN.

ADVANCED AEROSPACE COMPONENTS WILL PRACTICE A REVERSE  
MENTORING' ROLE, PROVIDING FRESH NEW PERSPECTIVE  
ON ISSUES 2AND OPPORTUNITIES FACING THE AFTERMARKET.

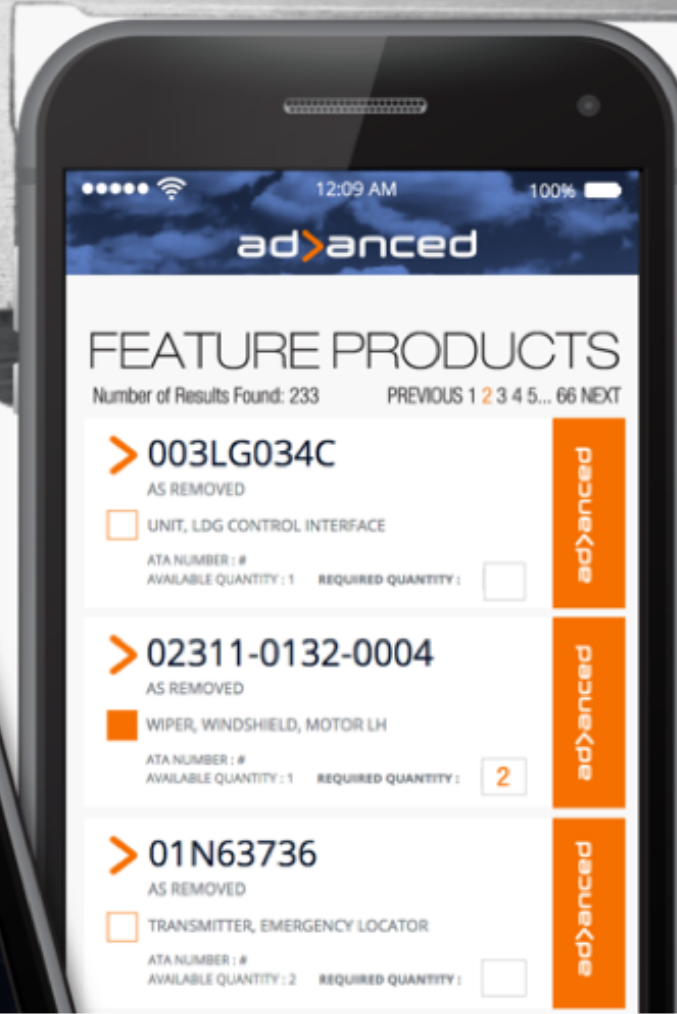
- > SHOW OUR KNOWLEDGE ABOUT LEADING INDUSTRY DATA.
- > FUNCTION AS A PLATFORM FOR DISCUSSION  
BETWEEN US-THE MILLENNIALS-AND SENIOR LEADERS.
- > NETWORK WITH INDUSTRY PEERS.

# RESPONSIVE WEBSITE & APP



SMARTER. FASTER. BETTER.

# THE ADVANCED APP.



AN ADVANCED TOOL  
TO MAKE YOUR  
BUSINESS LIFE  
LESS STRESSFUL.

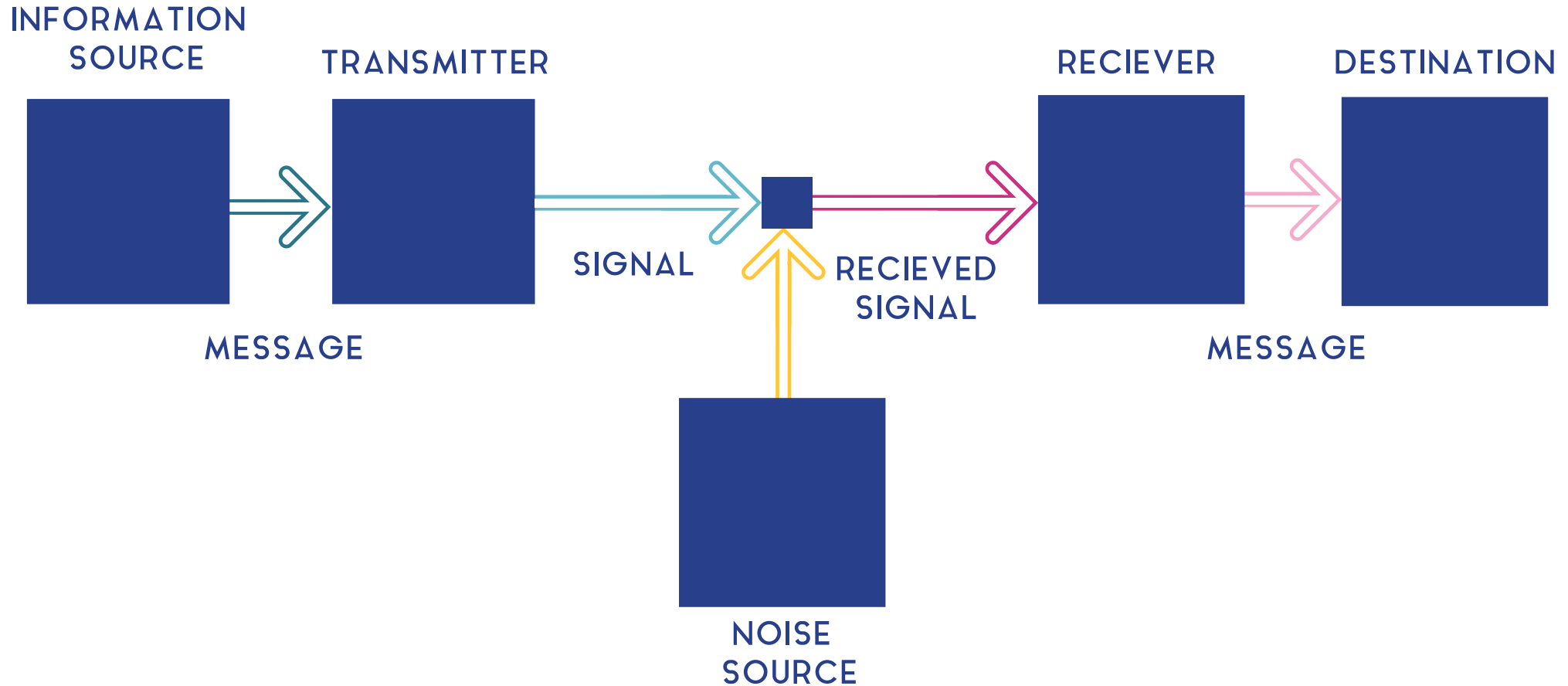
Sed ut perspiciatis unde  
omnis iste natus error sit  
voluptatem accusantium  
doloremque laudantium,  
totam rem aperiam, eaque  
ipsa quae ab illo inventore  
veritatis et quasi architecto

**FREE**  
DOWNLOAD

DISPONIBLE EN  
 Google play

Disponible en el  
App Store

# CLAUDE SHANNON'S INFORMATION THEORY





# TERMINOLOGY



**THE CHANNEL - ALSO KNOWN AS THE CARRIER.**

THE CHANNEL IS THE MEDIUM IN WHICH INFORMATION IS BEING TRANSMITTED.

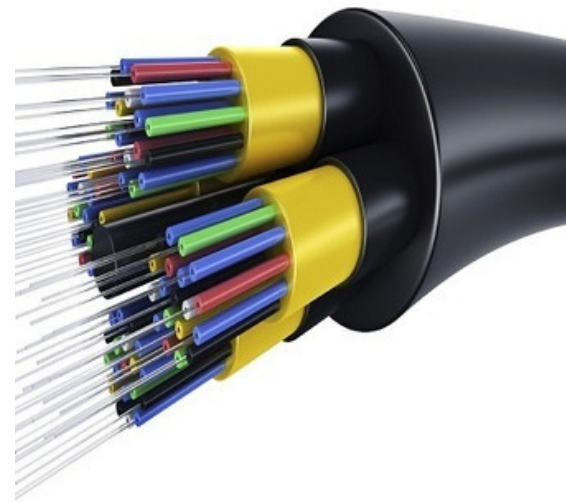
A CHANNEL NEEDS TO BE LOW ENTROPY IN ORDER TO SEPARATE THE MESSAGE FROM THE MESSENGER.

EX:

FIBEROPTIC CABLES

AM/FM RADIO WAVES

ANALOG TV CABLES



# TERMINOLOGY



**THE SIGNAL - ALSO KNOWN AS THE MESSAGE.**

THE INFORMATION OR KNOWLEDGE BEING COMMUNICATED. IN INFORMATION THEORY, SIGNAL IS KNOWN AS SURPRISAL.

SIGNAL TRAVELING THROUGH A WIRE IS THE SURPRISAL, OR WHAT'S NOT PREDICTABLE TO THE RECEIVER.

SIGNAL IS HIGH-ENTROPY,  
THE CHANNEL IS LOW-ENTROPY.



# TERMINOLOGY



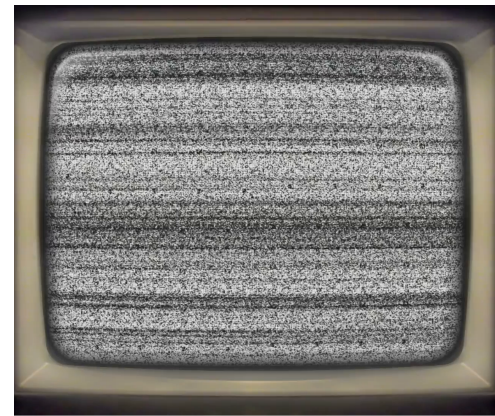
**THE NOISE - THE INTERFERENCE BETWEEN  
THE CHANNEL AND THE SIGNAL.**

IF THE CHANNEL IS NO LONGER  
PREDICTABLE/LOW-ENTROPY,  
IT WILL CONFUSE THE INPUTS OF THE RECEIVER.

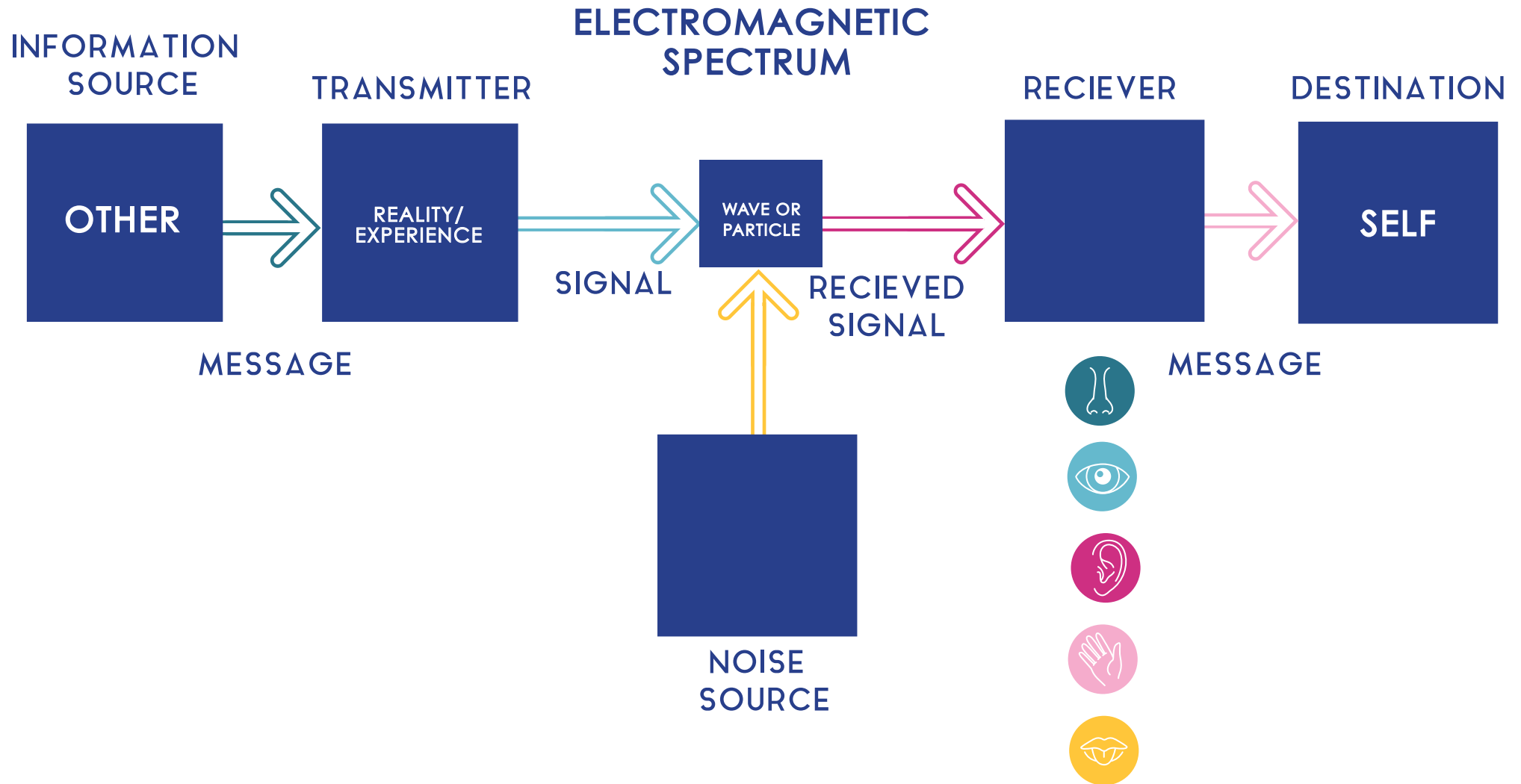
NOISE IS THE CHATTER BETWEEN  
THE CHANNEL AND THE RECEIVER.

WHEN AN ANALOG TV LOST “SIGNAL”,  
WHAT WOULD YOU SEE? THE WIRE.

.






# INFORMATION THEORY IN DAILY LIFE



# **MONEY**

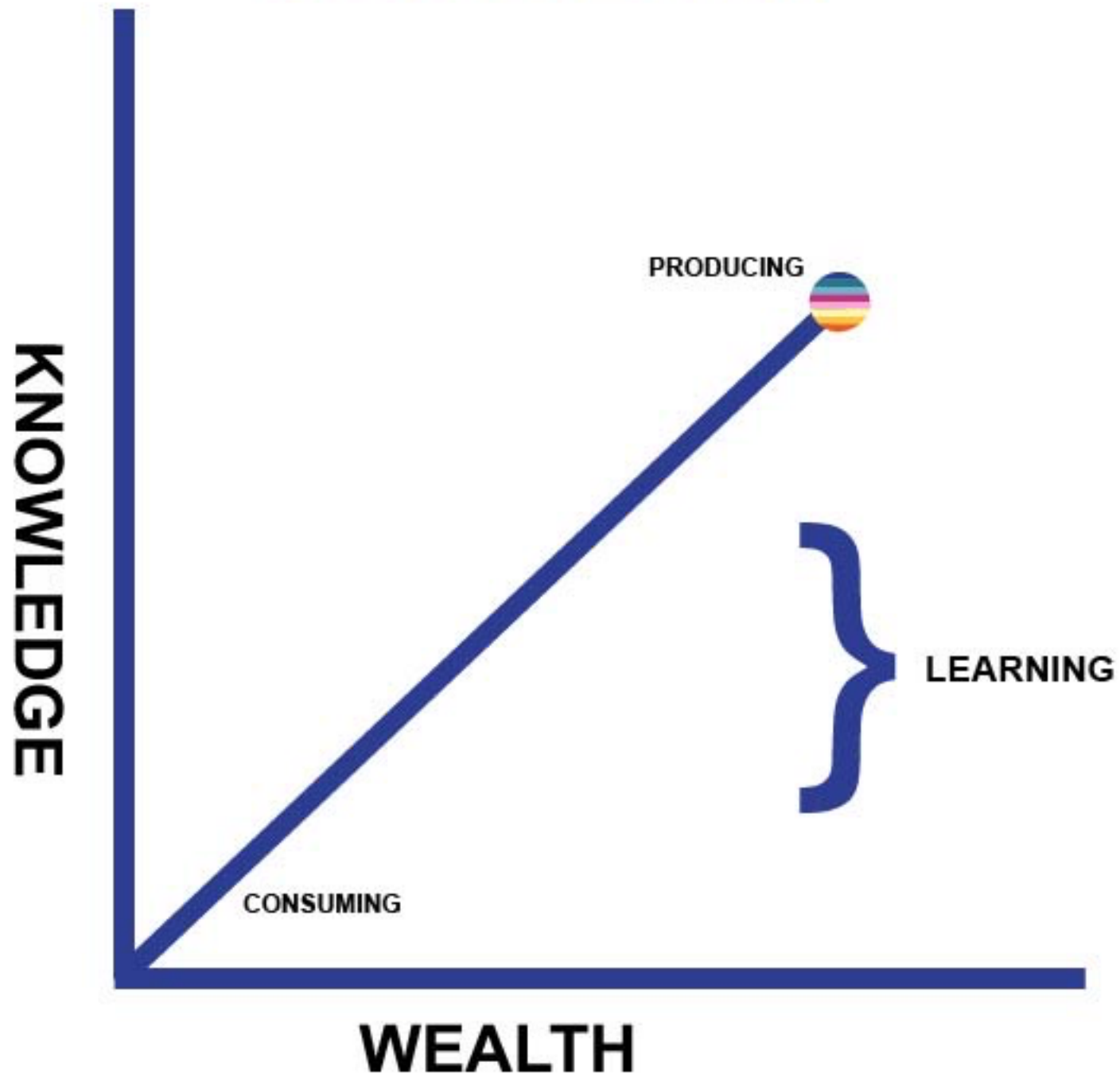
## **IS AN INFORMATION SYSTEM**

-  THE ECONOMY IS NOT CHIEFLY AN INCENTIVE SYSTEM,  
IT IS AN INFORMATION SYSTEM.  
IT REQUIRES A RELIABLE STANDARD  
OF VALUE IRREVERSIBLY ROOTED IN TIME.
-  CREATIVITY ALWAYS COMES AS A SURPRISE.  
IF IT DIDN'T SOCIALISM WOULD WORK.  
**A PREDICTABLE FUTURE IS ALREADY THE PAST.**
-  THE KEY TO ECONOMIC GROWTH IS SURPRISING  
KNOWLEDGE ACQUIRED THROUGH THE  
FALSIFIABLE EXPERIMENTS OF FREE ENTERPRISE.

# **ECONOMIC PARALLELS IN INFORMATION THEORY**

- > THE ECONOMY = CHANNEL
- > GOVERNMENT CONTROL AND INFLATION = NOISE
- > INFORMATION (PRICES) = SIGNAL
- > NEW KNOWLEDGE = GROWTH
- > BITCOIN = LOWEST ENTROPY CARRIER EVER INVENTED.  
NO ONE CAN CHANGE OR TAMPER WITH THE BITCOIN  
BLOCKCHAIN. QUITE SIMPLY, BITCOIN IS  
PERFECT INFORMATION (NO NOISE).

# SUCCESS:








00000000	01 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	.....
00000010	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	.....
00000020	00 00 00 00 3B A3 ED FD	7A 7B 12 B2 7A C7 2C 3E	....;ǝıŷz{.²zÇ,>
00000030	67 76 8F 61 7F C8 1B C3	88 8A 51 32 3A 9F B8 AA	gv.a.È.Ā^ŠQ2:Ŷ, #
00000040	4B 1E 5E 4A 29 AB 5F 49	FF FF 00 1D 1D AC 2B 7C	K.^J)«_Iŷŷ...¬+
00000050	01 01 00 00 00 01 00 00	00 00 00 00 00 00 00 00	.....
00000060	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00	.....
00000070	00 00 00 00 00 00 FF FF	FF FF 4D 04 FF FF 00 1D	.....ŷŷŷŷM.ŷŷ..
00000080	01 04 45 54 68 65 20 54	69 6D 65 73 20 30 33 2F	..EThe Times 03/
00000090	4A 61 6E 2F 32 30 30 39	20 43 68 61 6E 63 65 6C	Jan/2009 Chancel
000000A0	6C 6F 72 20 6F 6E 20 62	72 69 6E 6B 20 6F 66 20	lor on brink of
000000B0	73 65 63 6F 6E 64 20 62	61 69 6C 6F 75 74 20 66	second bailout f
000000C0	6F 72 20 62 61 6E 6B 73	FF FF FF FF 01 00 F2 05	or banksŷŷŷŷ..ò.
000000D0	2A 01 00 00 00 43 41 04	67 8A FD B0 FE 55 48 27	*....CA.gŠŷ°pUH'
000000E0	19 67 F1 A6 71 30 B7 10	5C D6 A8 28 E0 39 09 A6	.gñ q0·.\Ö"(à9.
000000F0	79 62 E0 EA 1F 61 DE B6	49 F6 BC 3F 4C EF 38 C4	ybaê.aþ¶IÖ¼?Lİ8Ä
00000100	F3 55 04 E5 1E C1 12 DE	5C 38 4D F7 BA 0B 8D 57	óU.Ā.Ā.þ\8M+ø..W
00000110	8A 4C 70 2B 6B F1 1D 5F	AC 00 00 00 00	ŠLp+kñ._¬....





# WHAT IS BITCOIN ?

-  BITCOIN IS A DISTRIBUTED LEDGER TECHNOLOGY WHEREBY COPIES OF THE BITCOIN LEDGER ARE DISTRIBUTED AMONGST A PERMISSIONLESS NETWORK.
-  BITCOIN HAS TWO MAIN COMPONENTS:  
MINERS THAT SOLVE COMPUTATIONAL PROBLEMS USING SPECIAL-PURPOSE CHIPS THROUGH PROOF-OF-WORK, AND NODES THAT STORE THE BLOCKCHAIN AND RELAY AND VALIDATE TRANSACTIONS AND BLOCKS THAT MINERS BUILD.
-  “BITCOIN IS POLITICIAN INSURANCE” –  
AN APOLITICAL STORE OF VALUE.



# THE 4 IDENTITIES OF BITCOIN

## 1. A TAMPERPROOF, APOLITICAL STORE OF VALUE

Keep the block size small so that every user can afford to run their own node and be able to validate transactions themselves. Transactions like buying coffee can be done on the lightning network for settlement and eventually re-cleared on-chain in one large transaction.

## 2. PEER TO PEER DIGITAL CASH

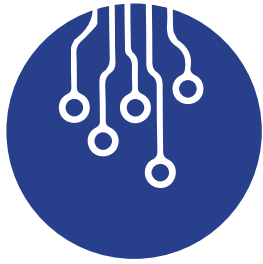
Proponents believe in large block sizes for scalability via transactions on chain. They don't believe everyone needs to run a full node.

## 3. JOHN NASH'S CONCEPT OF IDEAL MONEY

Money as an apolitical inflation target for national central banks.

## 4. BITCOIN AS CLAUDE SHANNON'S PERFECT INFORMATION

Bitcoin as a carrier of all existing information, new blocks as the signal of what's NEW.



# MINING & PROOF OF WORK



ABILITY TO ADD NEW TRANSACTIONS TO THE BITCOIN LEDGER IS ENTRUSTED TO A FREE MARKET OF MINERS, ALL RACING TO SOLVE A PROOF OF WORK EQUATION IN ORDER TO BE FIRST TO ADD THE NEXT BLOCK IN THE CHAIN.



THINK OF MINERS AS SLOT MACHINES, AND “DIFFICULTY” OF THE EQUATION NEEDED TO BE SOLVED AS THE JACKPOT ALGORITHM.

You can't reverse engineer the equation, you can only press “spin” as many times as possible to mathematically reach probability where you can “brute force” the hash.



DIFFICULTY IS WEIGHTED IN ORDER TO ALLOW FOR 1 BLOCK SOLVED EVERY 10 MINUTES ON AVERAGE.



# HASHING

INPUT: ANTHONY CLAVERO

SHA 256 HASH:

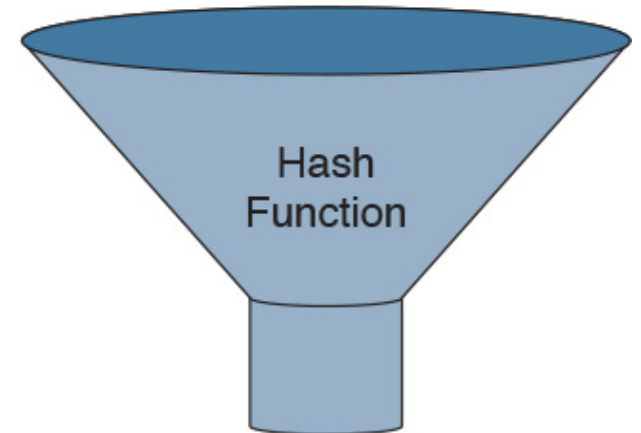
82B72292F9328363A2DBEF0966A6B  
1B1A7500D4CE130E42FBDF632B9C6  
111A48

INPUT: ANTHONY CLAVERO1

SHA 256 HASH:

01C4D6A819C12544183C89E955D67  
D654BB94A88E9E5F554725CD4C56C  
3D9214

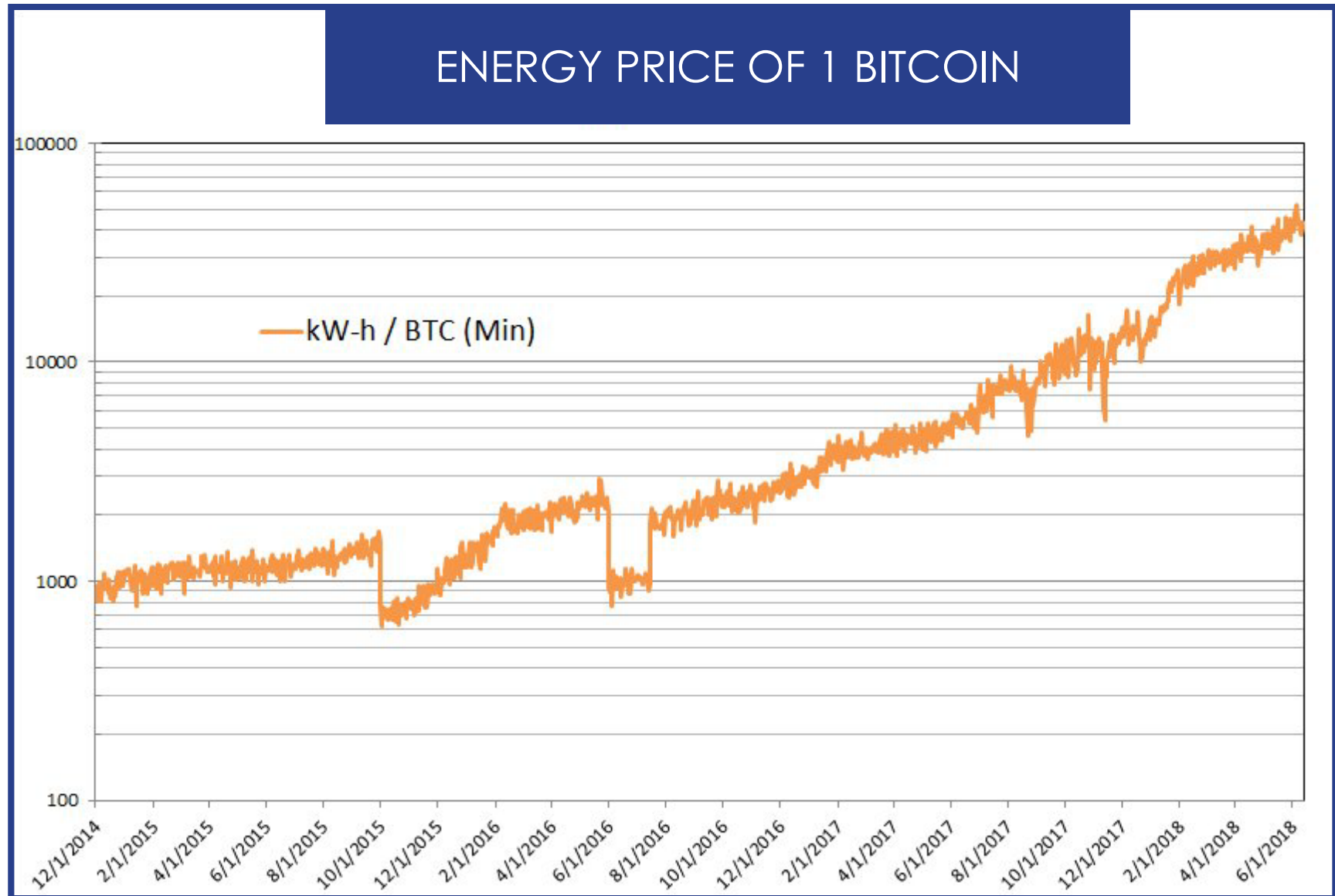
MESSAGE M  
(ARBITRARY LENGTH)



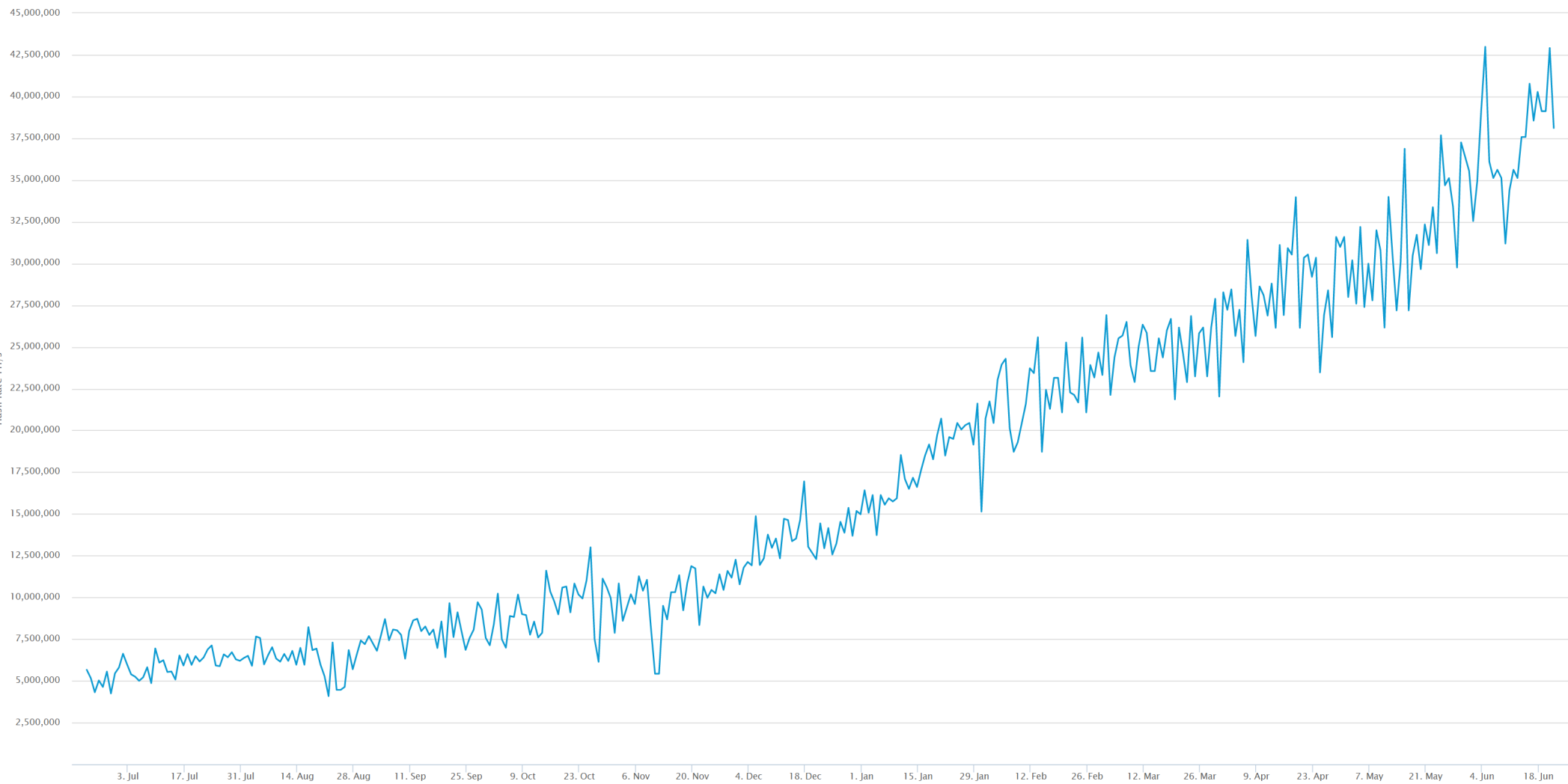
e883ba0a24d01f

HASH VALUE H  
(FIXED LENGTH)

**ENERGY TO MINE 1 BITCOIN ~ 60KW-H**  
**AT \$0.10KWH, 1 BITCOIN = \$6000 TO MINE**



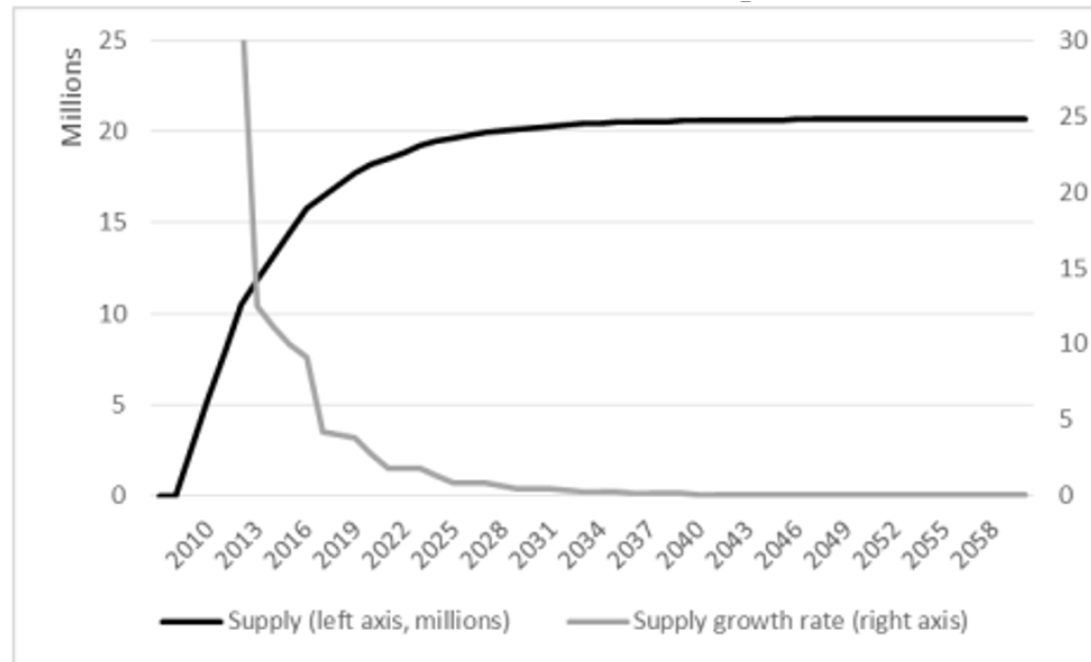
# BITCOIN TOTAL HASH RATE: ~38 EXAHASHES/SECOND



# HARD MONEY VS SOFT MONEY



Bitcoin Supply:



\*Assuming 1 block every 10 minutes.

HOW MUCH CURRENCY DOES THE TREASURY DEPARTMENT PRINT DAILY?



During Fiscal Year 2014, the Bureau of Engraving and Printing delivered approximately 6.6 billion notes to the Federal Reserve, producing approximately 24.8 million notes a day with a face value of approximately **\$560 million**.

“THE SIMPLE REALITY,  
DEMONSTRATED THROUGHOUT HISTORY,  
IS THAT ANY PERSON WHO FINDS A WAY  
TO CREATE THE MONETARY MEDIUM  
WILL TRY TO DO IT.”

-SAIFEDEAN ANMOUS



# BITCOIN'S MONETARY UNIQUENESS

THE MORE SOMETHING IS CHOSEN AS A STORE OF VALUE  
THE MORE ITS PRODUCTION INCREASES AT THE MARGIN...

## EXCEPT BITCOIN



WHEN BITCOIN IS CHOSEN AS A STORE OF VALUE, ITS VALUE  
GOES UP, BUT MORE PRODUCTION IS NOT POSSIBLE.

Bitcoin is only minted via the creation of a new block.

Each new block = 12.5 New Bitcoin.

Hard cap, only 21M Bitcoin will ever exist!



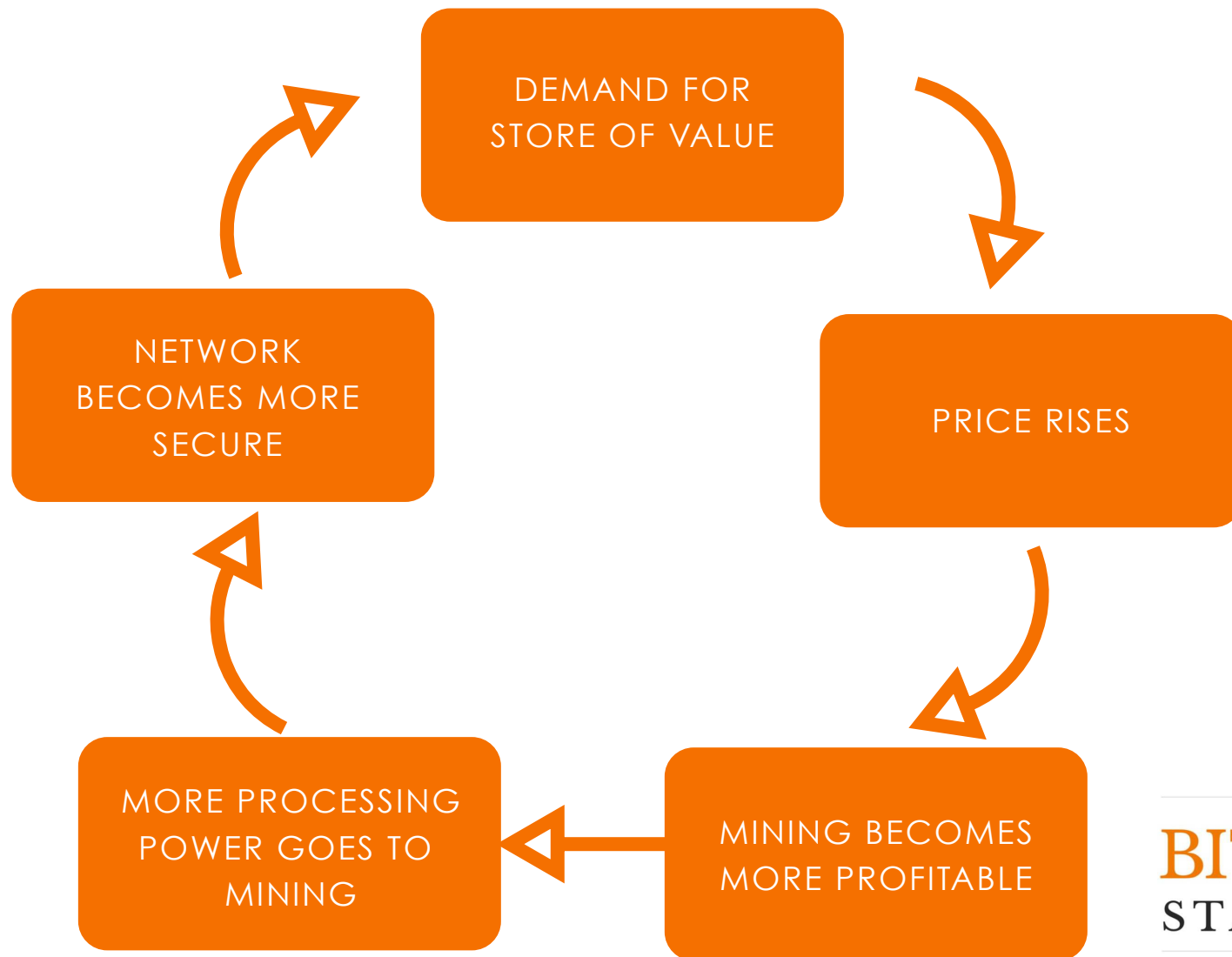
INSTEAD: THE DIFFICULTY OF MINING NEW BITCOIN INCREASES,  
MAKING BITCOIN HARDER TO PRODUCE.

This incentivizes more processing power to  
produce Bitcoin, making the network more secure.

.

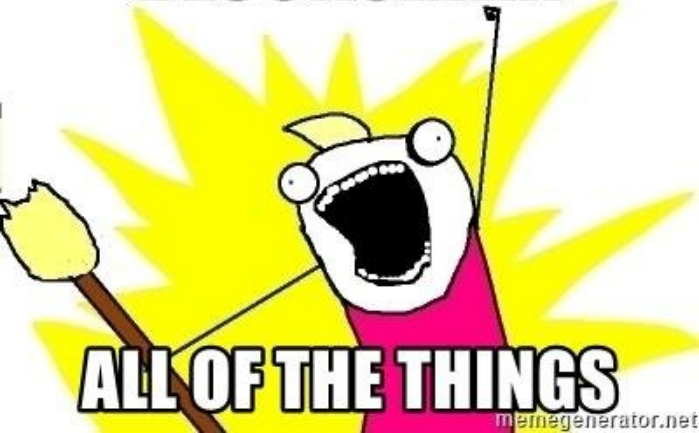
# HOW SECURE IS BITCOIN?

BITCOIN IS AN ALL-CONQUERING JUGGERNAUT  
POSITIVE FEEDBACK LOOP OF ECONOMIC INCENTIVES:



THE  
**BITCOIN**  
STANDARD

**BLOCKCHAIN**



**ALL OF THE THINGS**

# BITCOIN NOT BLOCKCHAIN



NO MINERS = NO BLOCKCHAIN.

IT IS JUST A LESS EFFICIENT DATABASE.

So then keep the database/centralization for transaction ordering (processing).



THERE IS NO BLOCKCHAIN TODAY WHICH HAS SOLVED THE SCALING ISSUE OF PROCESSING THE AMOUNT OF TRANSACTIONS PER SECOND AS VISA.

Ethereum crashes every time there is an ICO with heavy volume. Bitcoin base layer only processes about 7 transactions/second.

Bitcoin's Second layer solution, Lightning Network, is in development and will allow millions of transactions/ second.

# STORAGE LIMITATIONS

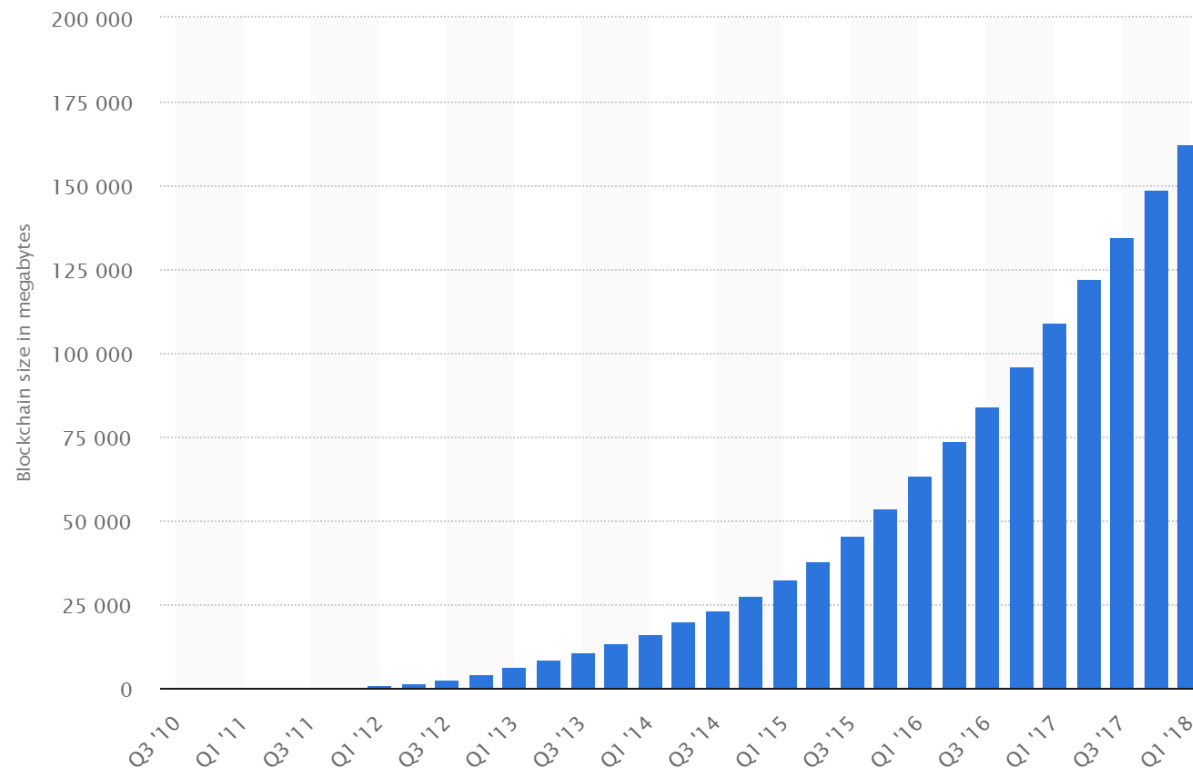
AVERAGE TRACEABILITY FILE SIZE FOR AAC:

4.3 MB

AVERAGE PAGE COUNT FOR TRACE FILES:

17 PAGES

ASSUMING AVERAGE BITCOIN TRANSACTION IS 250 BYTES,  
AND AN AVERAGE FEE PER TRANSACTION AROUND \$0.15 (LOW URGENCY),  
THE COST TO STORE 4.3MB ON BITCOIN WOULD BE:  
**\$2,580 PER FILE.** REAL ESTATE ON-CHAIN IS EXPENSIVE.



# WHO IS MARKETING BLOCKCHAIN IN AVIATION?

## AERON WAS \$115M ON 01/05/18

 **Aeron (ARN)**

\$0.601197 USD (-5.15%)

0.00009678 BTC (-6.20%)

0.00132158 ETH (-1.13%)

Buy / Sell Instantly



 Rank 466

 Website

 Announcement

 Explorer

 Explorer 2

 Message Board

 Chat

 Source Code

 Token

Market Cap	Volume (24h)	Circulating Supply	Total Supply
\$7,815,561 USD	\$4,268,180 USD	13,000,000 ARN	20,000,000 ARN
1,258 BTC	687.06 BTC		
17,181 ETH	9,383 ETH		

Charts

Markets

Social

Tools

Historical Data

Aeron Charts

Linear Scale Log Scale



 **Bitair**  
Payment Solutions for the Travel industry

 **Blockchain.aero**  
proof-of-flight

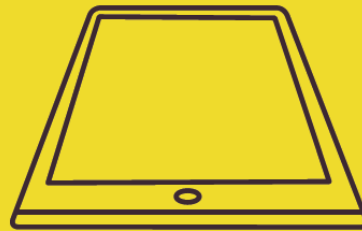
**ramco**



**EWINGZ<sup>©</sup>**

unfolding aviation.

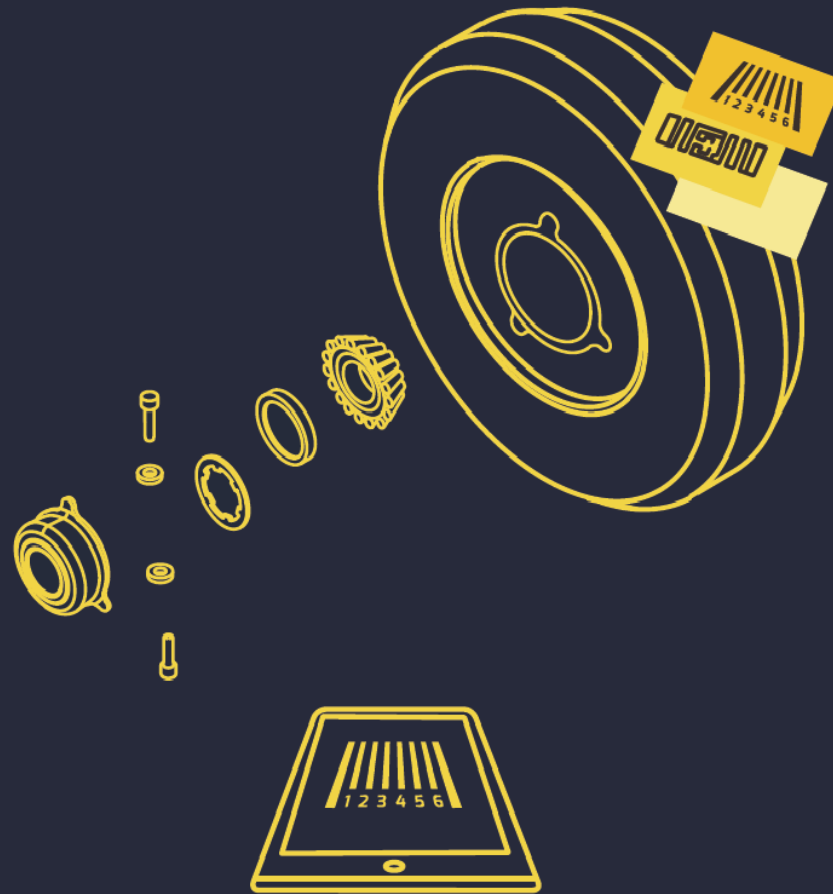
"You never change things by fighting the existing reality.  
To change something, build a new model that makes  
the existing model obsolete. "



how it works.

using state of the art cryptography for identity and security reasons in combination with established standards are one of the fundamental building blocks of eWINGZ





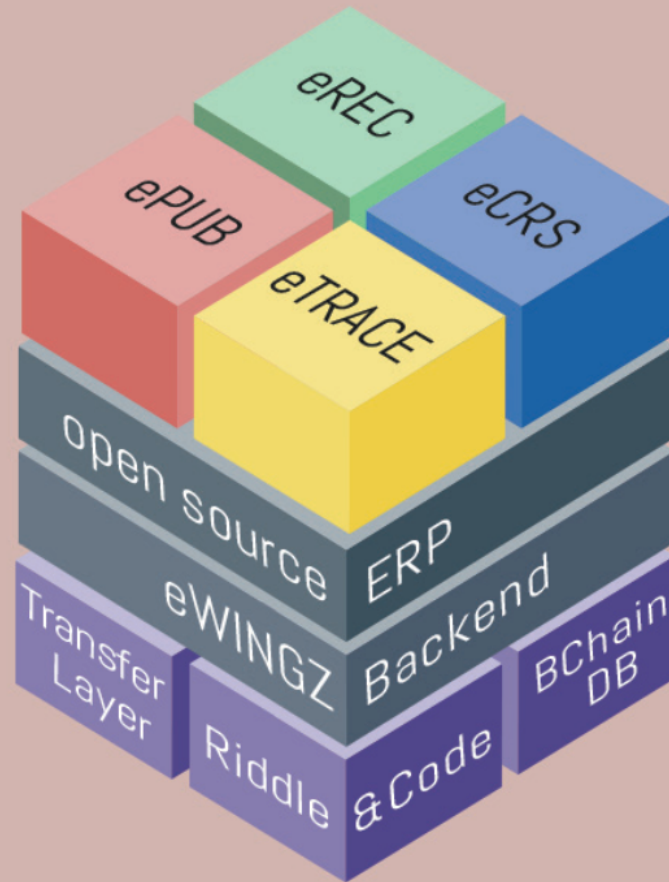
## how it works.

assigning a hardware-based digital identity to all devices by equipping them with a highly secure crypto chip, which stores all information about its carrier's digital identity "off-the-bus" on the chip itself



community.

the chip enables the device to become its own “node” and to autonomously communicate with the other blockchain nodes within the community



the technology.

several technology layers, each having a different functionality will enable seamless secure collaboration

## eTRACE

based on the global data pool standards developed by GS1, the eTRACE column ensures the traceability of Parts. Traceability and accessibility of Master Data, combined with keeping revisions of BOM's and related modification data up to date is a quality aspect that never existed before. Vendors stay connected and have real time view during data exchange whilst collaborating on multilevel BOM design with their project partners. It's the toy for OEM's and repair facilities who wants to master their data in a modern future proof collaborative and secure and fast environment. Master Data are key for shipping and supply chain data logistics.

## ePUB

since our goal is to digitalize the aviation industry, paper-heavy manuals are quite a big part of this. The ePUB takes them to a new level and is built like an "iTunes"-store just for manuals. The data from the ePUB is connected with the other modules like the eTRACE, eCRS and eREC, which gives the user an optimal way to view publication data. End users like Airlines, MRO's and or repair facilities have always the right serialized, latest and greatest OEM information at hand, easily accessible.

## eCRS

is the place, where all the things come together. This module allows online collaboration on maintenance projects in between the parties evolved in a particular project and also helps the technicians to do their job in a more effective and convenient way. Once a project is finished and all tasks are closed the invoice is ready and payments can be accomplished based on contracts accepted during the start of the project.

## eREC

ever tried to remember where exactly an aircraft of your fleet was two years ago? And which modifications it had gone through since then? Well, eREC got you covered. This module collects all the type relevant data of an aircraft during the manufacturing process, as well as all other relevant data during the lifecycle of an aircraft, like any modifications, scheduled or unscheduled maintenance performed. All data stored are stored on a decentralized database owned by the Industry. This gives the industry the possibility for a seamless Data exchange around all the requirements needed to maintain an aircraft and to show compliance to airworthiness related records. Aircraft handovers and the related records review getting a task of minutes instead of days or weeks.

**EWINGZ IN ACTION**

*vineo*

# PROOF OF EXISTENCE

## 1. DEMONSTRATING DATA OWNERSHIP WITHOUT REVEALING ACTUAL DATA.

You can publicly reveal the digest and if conflict arises you can prove you had the data that generates the digest. Useful for copyrighted material, patents, etc.

## 2. DOCUMENT TIMESTAMPING

You can prove certain data exists at a certain moment of time. Using the bitcoin blockchain to store the document proof, you can certify the existence of your document without the need of a central authority. Use the computing power of the whole bitcoin network to certify your data.

.

## 3. CHECKING FOR DOCUMENT INTEGRITY

If you store a proof for your document and later re-upload it, the system will only recognize it if it is completely and fully the same document. The slightest change, and we'll recognize it is different, giving you the security that certified data can't be changed.

.

# PROOF OF EXISTENCE

## 4. TRACE DOCUMENT HASH:

ad5a7e8fd6d32ebb58053148ac996ba2c713970d5ace72ecc288b0710375c44b

## 5. TRANSACTION ID WHERE HASH IS STORED:

db31e0e4355f156773f2c9cf299ff4d35181c06419da8220390d1d6e3f6edf57

- 
- 

Certified

### Congratulations!

This document's digest was successfully embedded in the Bitcoin blockchain. It is now permanently certified and proven to exist since the transaction was confirmed.

db31e0e4355f156773f2c9cf299ff4d35181c06419da8220390d1d6e3f6edf57

To verify this document again, just re-submit it here.

[Permalink to your registration](#)

### Docproofs

Blockchain transactions embedding this document hash.

	BLOCK HEIGHT	TRANSACTION ID	BLOCK TIME	CONFIRMATIONS
✓	522819	db31e0e4355f156773f2c9cf299ff4d35181c06419da8220390d1d6e3f6edf57	Tue, 15 May 2018 17:47:00 GMT	6

# ACCEPT BITCOIN FOR PAYMENT



Print Date : Jun-18-2018 12:20 PM

Printed By: TAM Print No. : 8

**No. : 010601**

Pg:1/1

**Bill To :**

**Sold To : Account No. [ST]**

**Shipped To :**

**Remit Payment To :**

Advanced Aerospace Components LLC  
7401 NW 7th Street  
#3  
Miami, FL Dade 33126  
USA

S.O. No. : 060621

Our Ref :

Domestic AW :

Customer P. :

Your Ref :

Int'l AWB :

Invoice Date : Mar-27-2018

Project : 739515C IDG

Origin :

Due Date : Apr-26-2018

Contract :

Transpor :

Ship Via : DHL

License No. :

Nationali :

F.O.B. : ORIGIN

Expires :

Trip/Flig :

Shipped Dat : Mar-27-201

Terms : NET 30

Ship Via Acct:

Our Contact : Felipe Jauregui

Line	P/N & Description	Cnd	Qty Ordered	Shipped	Unit Sell Price	Amount
1	739515C IDG Pick Ticket / Packing Slip No. : 030693 ATA#: 24-11-76 Serial No(s): Trace to: Atlas Air Tag Info: Summit Aerospace Tag Date: 06.09.2018 Condition: Serviceable Repaired	SV	1 EA	1 (Qty. Back 0)	\$	\$

**Sub Total:** \$

Important: Customer is notified that articles for export are controlled by the Department of State or Department of Commerce. The customer is responsible for determining the correct export department for each article and complying with the appropriate regulations. DOS controlled articles (22.CFR 120-130) are subject to International Traffic and Arms Regulations (ITAR). It is a violation of U.S. law to export defense articles without first obtaining an export license or other approval.

All invoices are subject to a 1.5% monthly late fee.



bitcoin:3DUx8K5ASu7m5qjWAcx2V6W7xT  
Aqj

Tamara Clavero, Office Manager

**Total:** [USD] \$



# HOW TO BUY BITCOIN?

-  CASH APP
-  COINBASE
-  ABRA
-  GEMINI.COM
-  BITSTAMP.COM
-  GDAX.COM



 Built by Square

# HOW TO SAFELY STORE BITCOIN?



“HOT STORAGE” –

STORING BITCOIN ON A WALLET THAT IS ALWAYS CONNECTED TO THE INTERNET. MOBILE APPS ARE CONSIDERED HOT STORAGE.

Ex:

GreenAddress (ios and Android)

Samurai Wallet (Android)

Hodl Wallet (Beta mode only)



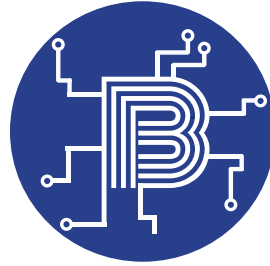
“COLD STORAGE” –

BITCOIN STORED OFFLINE ON A DEVICE (HARDWARE WALLET), PAPER, OR EVEN SHEET METAL.

COLD STORAGE OFFERS THE SAFEST SECURITY BECAUSE THE ONLY WAY TO ACCESS THE PRIVATE KEYS IS TO HAVE THE COLD STORAGE DEVICE IN POSSESSION.

Ex: Trezor and Ledger

# NO PRIVATE KEYS = THE BITCOIN IS NOT YOURS

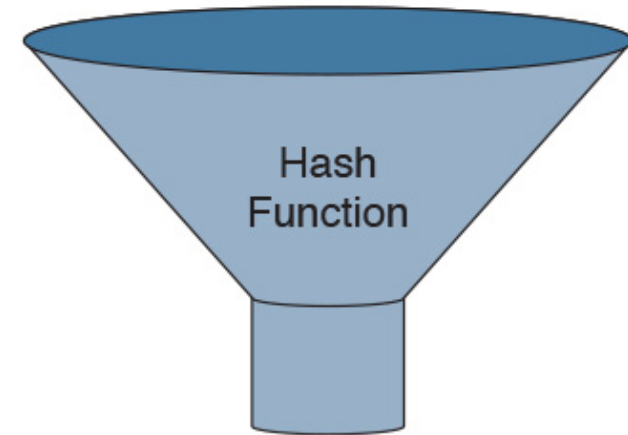


THE ONLY WAY TO SEND BITCOIN FROM A WALLET IS TO SIGN THE TRANSACTION WITH THE **PRIVATE KEYS**.

PRIVATE KEYS ARE NORMALLY 12 OR 24 WORD PHRASES WHICH ARE HASHED INTO A DIGEST.

**THAT DIGEST = YOUR “PRIVATE KEYS”.**

MESSAGE M  
(ARBITRARY LENGTH)



e883ba0a24d01f

HASH VALUE H  
(FIXED LENGTH)

# TAKEAWAYS FOR BLOCKCHAIN IN AVIATION

1. IF OEMS, AIRLINES, AND LESSORS DON'T TRUST  
THE DECENTRALIZATION OF THE DATA,  
WE WILL MAINTAIN STATUS QUO. .
  2. ONLY TRUE WAY TO ACHIEVE DECENTRALIZATION IS  
BY HAVING ECONOMY OF MINERS RACING  
TO PROVIDE THE NEXT BLOCK. .
  3. CRYPTO-RFID TAGS CAN REDUCE FRAUD AND ERROR WITHIN  
THE SUPPLY CHAIN, WHILE SIMULTANEOUSLY NOT REQUIRING  
MASSIVE ON-CHAIN STORAGE.
- eWingz, Proof of Existence (Bitcoin)
  -

# JOIN THE EXPLORATION



@ac\_breezy  
@biscaynebitcoin  
@advanced\_aero



@aclavero  
@biscaynebitcoin  
@advanced.aero



@biscaynebitcoin  
@advanced.aero



ac@advanced.aero  
ac@biscaynebitcoin.com