# TCI TECH INITIATIVE

## Year One

# Year 1 Agenda

### Decentralized Identity – 3
What exactly it is, short term impact, and a description of blockchain.

### Atlas Ecosystem – 6
What it is, how it will benefit the country – long term vision.

### STEM Education – 9
Who is Manifezt? The TCITech-Manifezt Partnership. Begin establishing partnerships for the TCITech University.
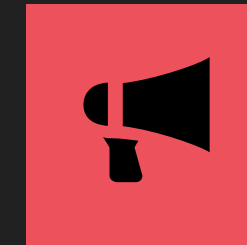
### TCITech Conference – 13
Inject energy and put the initiative on display so locals and other stakeholders can keep up with the progress.
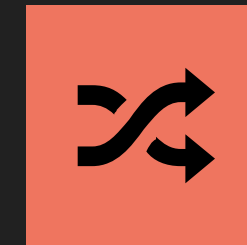
### Measuring Impact – 15
Specific goals and KPIs to track the progress the initiative is making in the country
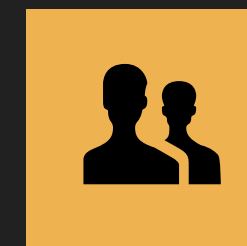
### Gov. Collaboration – 17
The preliminary ways the government can assist to ensure success

### Partnerships – 19
Collaborating with the private sector and bringing disruptive companies into the country
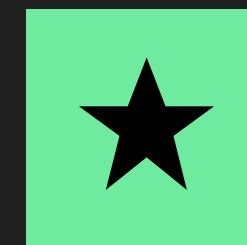
### TCITech Team – 21
The different parts of the organizational structure including Board of Directors, Advisory Board, and Management

### Shifting The Paradigm – 25
How the initiative aims to shift the culture of TCI

### 'Blockchain Revolution' - 27
A book explaining blockchain in layman's terms, giving examples of applications, and an inspiration for this project

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# Decentralized ID

Own and control your own digital identity using blockchain technology.

# What is Blockchain

Blockchain is a technology that has attracted investment from some of the most successful and influential companies in the world, including: Amazon, Goldman Sachs, IBM, Facebook, Google, Microsoft, Samsung, Toyota, Royal Dutch Shell, The Bank of China, JP Morgan Chase, and Apple.* These companies are investing in it is because they know the revolutionary implications of the technology, and want to capitalize on its potential – it's widespread adoption is predicted to impact the world on the same scale as the internet.

## Nodes
A blockchain is a network of nodes (or computers) that all simultaneously hold a distributed ledger – aka, the same database.

## Communication
The nodes constantly update each other on every transaction performed in the database so any changes are instantly communicated to other nodes

## Security
Estonia stores government records on blockchain, and as of September, 2018, "Estonia ranks first among 107 countries, ahead of France and Germany, in the National Cyber Security Index (NCSI)..."

## Opportunity
Blockchain has the ability to open up many internet business and economic activities through a unique trust protocol and the use of smart contracts.

## Value
Blockchain can automate many institutions in various industries, and its widespread adoption can allow the people actually creating value to retain the majority of the profits generated by their effort.

Countries to adopt blockchain in the public & private sectors include Singapore, The UK, Canada, The United Arab Emirates, Switzerland, Japan, China, Japan, Sweden & The USA.

Sources
Castillo, Michael Del. July, 2018. "Big Blockchain: The 50 Largest Public Companies Exploring Blockchain". Forbes.
Rikk, Raul. September, 2018. "Estonia takes the top spot in the National Cyber Security Index". e-Estonia.

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# Short Term Impact

**1** Law/Immigration Enforcement

Enables the secure, real time linkage of our immigration, driver's & criminal justice systems. Empowers police to instantly verify the immigration status of a car owner using the license plate

**2** Ticket Enforcement

Enables the creation of a secure, verifiable system that shows the number written and outstanding tickets so police and the community can be held accountable

**3** Secure Electronic Voting

Increases participation through making voting more secure, ensures the accuracy of results and allows for real time tallies for complete transparency

**4** Electronic Identity

Access to e-services interacting with the blockchain ecosystem immediately establishes us as a testing ground for research and development projects



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# Atlas Ecosystem

The Decentralized Map to Prosperity

# What is It?

Atlas is the name of the proposed open source network of government services that utilizes blockchain to:

## Create Wealth

By crafting an environment that focuses on a fair distribution of wealth

## Protect Privacy

By tying legal personhood to a decentralized identity, people will be able to control their digital footprint

## Minimize Corruption

By injecting radical transparency into the public and private sectors while protecting sensitive information

## Improve Efficiency

And efficacy of public and private services through removing human error, eliminating corruption and lowering overall cost of production

## Separate TCI

As a unique investment opportunity thanks to the e-infrastructure Atlas provides

## Drive Diversification

Of the economy and opportunities available to residents of TCI

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# Long Term Goals

Key Components include:

- Decentralized ID (DiD)/Voting

- Decentralized Business ID

- Blockcahin Land Registry

- Public Transport DAO using solar energy

- National Cryptocurrency/Publicly Owned Bank

- e-Taxes

- Decentralized credit score

- e-Cabinet initiatives to promote transparency in government ministries and civil services

- e-Health for holding patient records, tying it to DiD

- Microfinancing using cryptocurrency (journalism, entertainment, nonprofits, community services)

- Renewable energy trading market built on blockchain

- Peer to peer blockchain insurance

Atlas is a Titan in Greek Mythology who was ordered to hold up the celestial heavens for eternity after the Titanomacy, - as the Atlas Ecosystem can help uplift TCI, taking our country to new levels.



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# STEM Education

Hands-on, project-based learning

# What is Manifezt?

A 501(c)(3) nonprofit organization founded in Miami, Florida focused on STEM education.

Current programs include: Science In The City & Youth STEM.

MANIFEZT
FOUNDATION
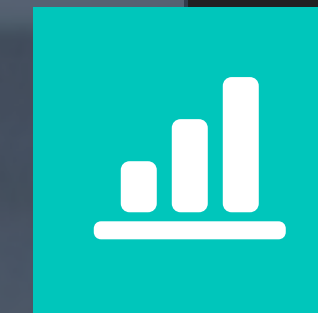
Utilizes University volunteers to keep costs low, teaching both parties social engagement and reaching kids with peers closer to their age
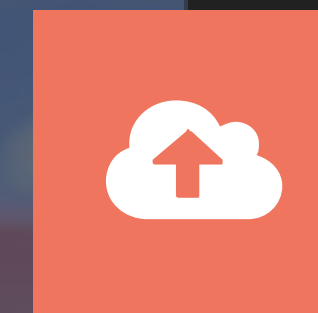
Project-based learning that teaches kids how to think deeply and solve complex problems rather than simply taking tests

Hands-on STEM designed to engage students and capture their attention
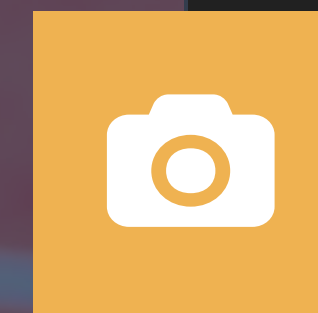
Based in South Florida serving over 1200 children across Miami Dade & Broward

# TCITech-Manifezt Partnership

All programs free to participants to ensure that socioeconomic background will not prevent talented children from entering the program.

Subjects covered include coding/computer science, robotics/engineering & life sciences with a heavy focus on applicable skills applicable in targeted industries.

**Youth STEM Program** - an intensive afterschool program serving a total of 80 of the most talented kids in Providenciales with each participant attending twice per week

**Science in The City** – open workshops on Saturday's held as a community event, centralized around the marvel of space exploration, designed to spark interest in STEM careers.

South Florida is the gateway between America and the Caribbean/South America, so strengthening our ties with it can help solidify us as an additional gateway between both regions, growing the total synergy.

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# TCITech University



*Strictly Tech & Arts school with emphasis on careers specifically in the industries the initiative aims to grow in the country*

*Partnerships & exchange programs with an accredited institutions for credibility*

*Free tuition to all of our citizens, extremely strict admission requirements for all international students*

*Strong focus on entrepreneurship in courses, and close relationship with VC arm of TCIT to fund the best ideas*

University built to serve 5000 students at a time.  To recruit enough students, we will offer discounted tuition to high performing Caribbean students.  Will be responsible for production of the shark tank style pitch competition to be included in the yearly showcase, and a series following around TCIT funded startups giving an insight into the initiative.

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# TCITech Conference

Showcase & Hackathon

**Momentum**

First instalment of the yearly event to build excitement and momentum in technology and the arts, and to encourage a shift in the culture to accommodate the new industries.

**Communication**

A physical meeting allows people to see, feel and touch tech and arts industries. Including a hackathon, conference and showcase of future plans in the initiative.

**Expansion**

Subsequent years after the university is launched, locally graduated and upcoming talent will also generate material for local film festival, art show, concert & farmers' market.

**01** Through generating a local buzz through a major event, TCITech will become a household name.

**02** By immersing people in the vision, they will gain a deeper understanding of it.

**03** As the initiative grows, the event will transform into the largest yearly event in the country.

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Measuring Impact

Goals & Key Performance Indicators

# Goals & KPIs

## Build The Buzz
Instagram, Facebook Page & Facebook Group, unique local donors, TCITech Merchandise sold/distributed.

## Engage the Youth
Track participants' grades, career interests, and school punishment rates for comparison to their peers.
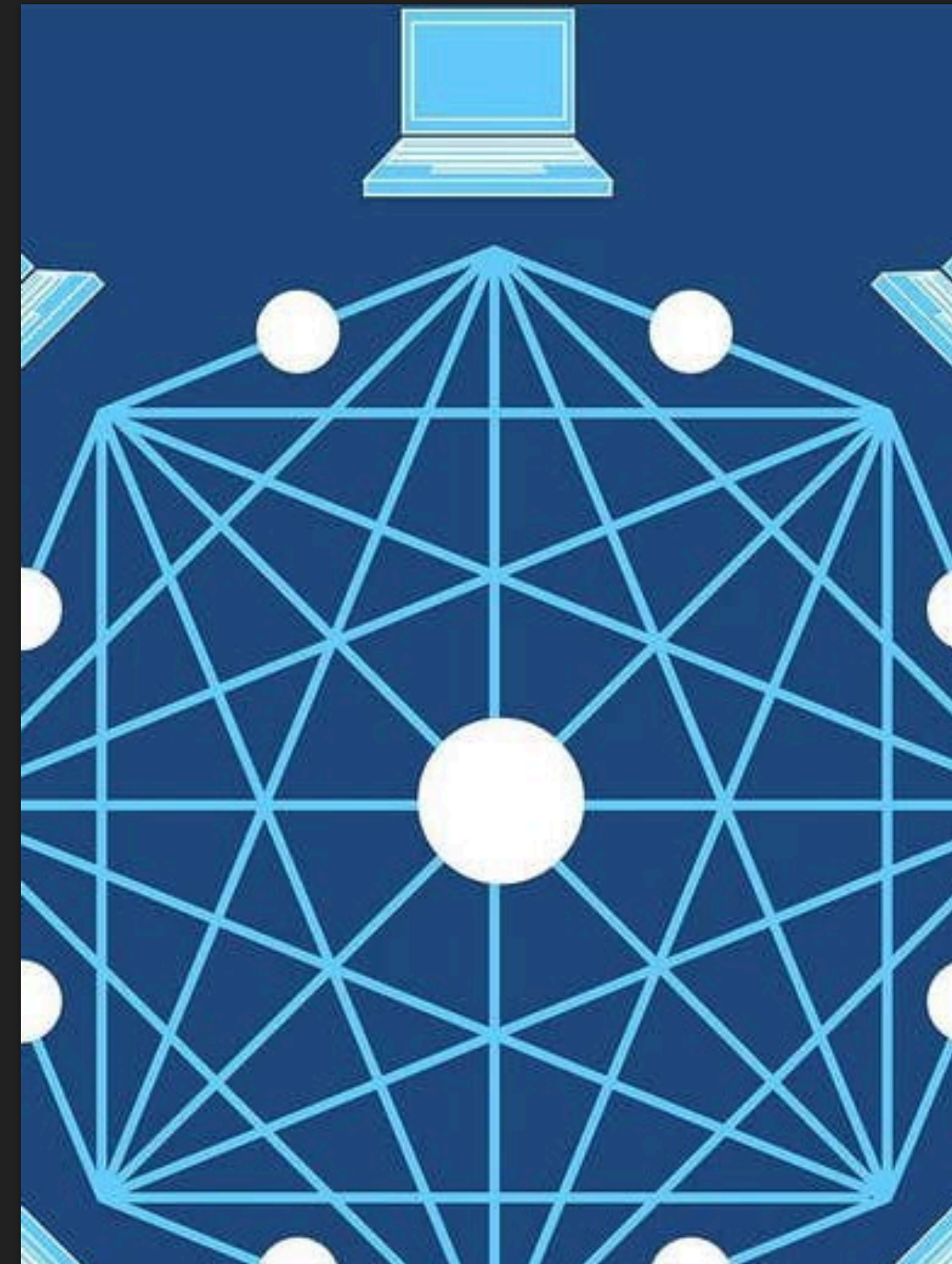
## Decentralized Identity
Agreement with police force solidified and moving forward – DiD allowing transparency for law enforcement.

## TCITech University
Start creating additional partnerships to transform The TCICC into the premier tech & arts college of the region.
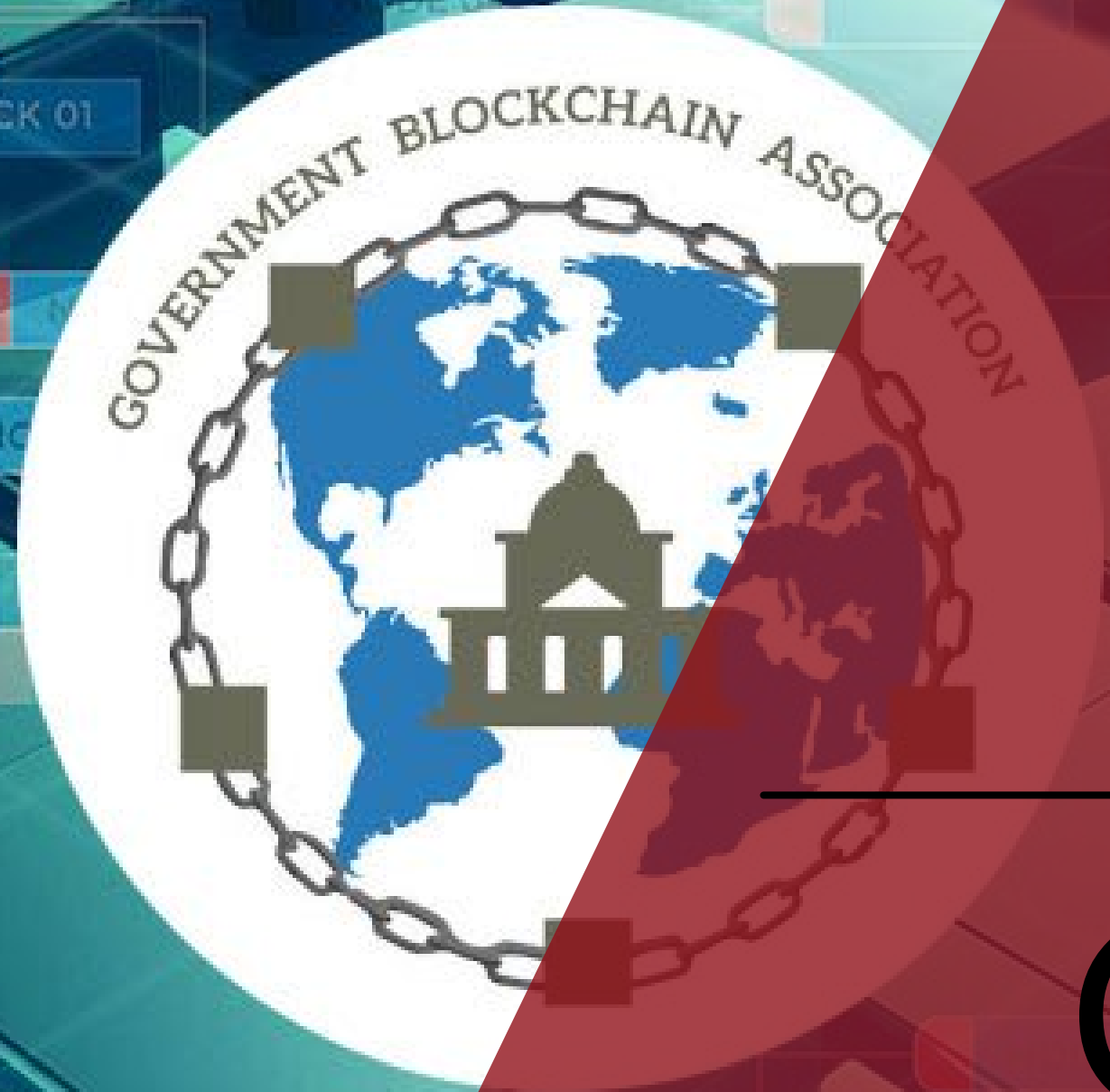
Government
Collaboration

Partnership For Prosperity

# Working Together for Common Good

**Taxes** – introductory tax benefit for corporations/investors making qualified investments

**Atlas Provident Fund** – government controlled, private account for use in approved investments, receiving Atlas revenue

**Student Data** – in order to verify the effectiveness of the program, we need to track students grades and punishment rates

Direct cooperation with the **Ministry of Education** to update curriculums & coordinate interschool STEAM competitions..

Issues

Cooperation with the **Ministry of Tourism** to ensure we are including tech & arts in our country's branding/marketing.

**Tuition** – ensure any local admitted to the TCITU will have his tuition covered by the government, debt free

**Immigration** – open up immigration for people with skills or qualified investments in targeted industries

**Land** – give a home to local techpreneurs; the government can incentivize the construction of a coworking space, university & dorms
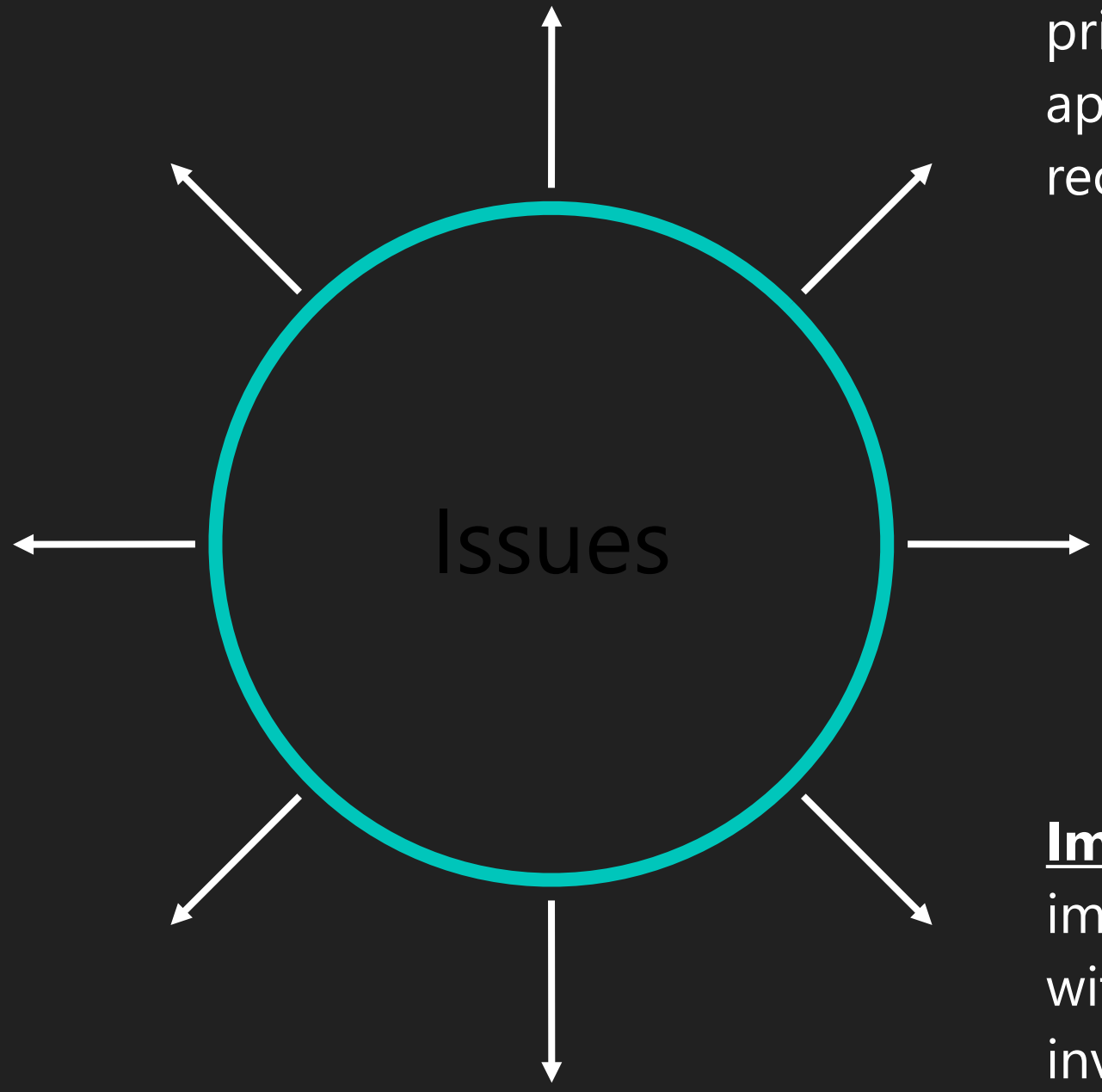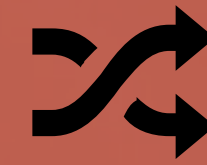
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# Partnerships

Targeted Entities including corporations and governments.

# Targeted Research & Development Partnerships
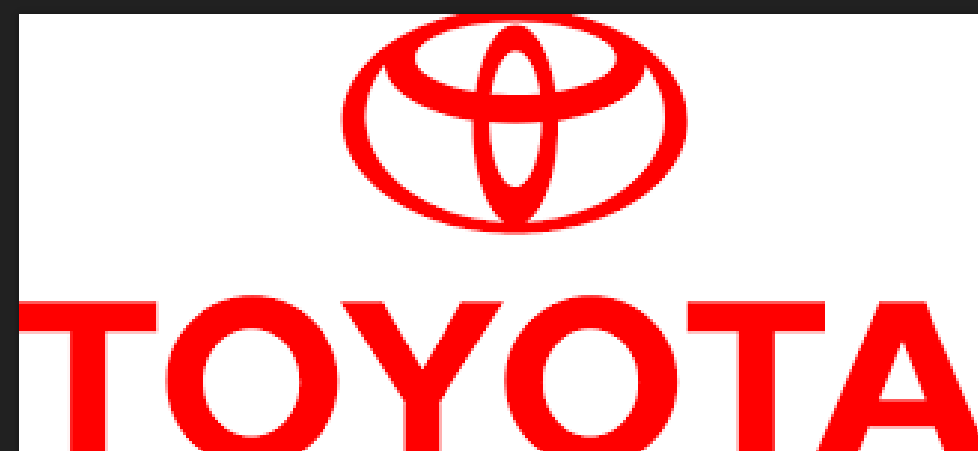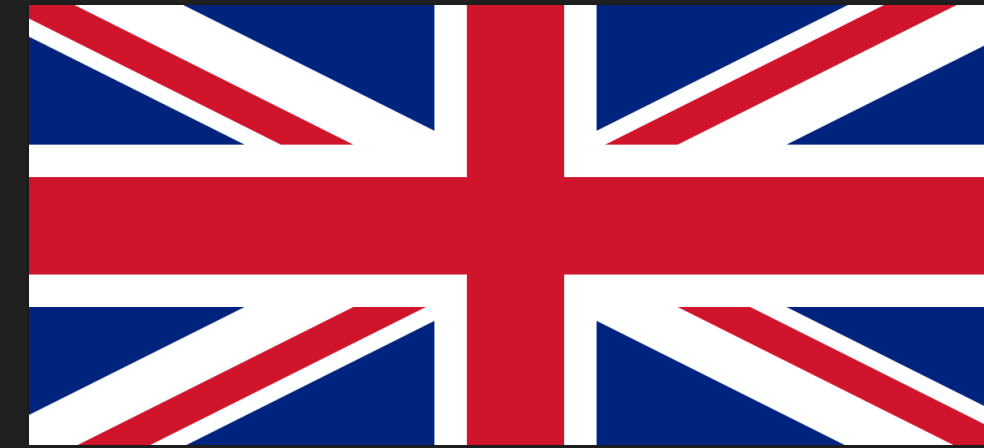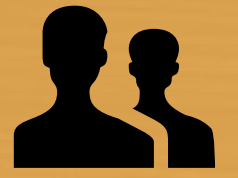
# TCITech Team

Board of Directors and Advisory Board

# Board of Directors

**Executive Director – Jay Sadler**
Experience in finance & education industries. Director of Development for a STEM nonprofit in South Florida. Background in economics and finance from The University of Miami.

**Financial Controller – Nick Haywood**
PwC Territory Leader, 25 years of experience with PwC in The UK, Malawi & TCI with clients in consumer & industrial products & services, information, entertainment & media, and financial services.

**Director of Technology – TBD**
The first priority after receiving funding will be to hire a fulltime blockchain developer to begin mapping research and development strategies for the various Atlas Ecosystem Initiatives.

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# Advisory Board
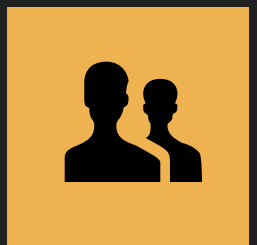
**Dr. Carlton Mills**
Founder of The Mills Institute, Former Minister of Education
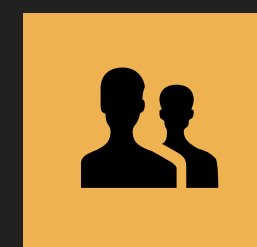
**E. Jay Saunders**
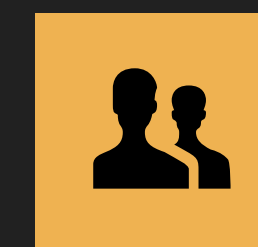Chairman & CEO of Domus Semo Sancus, and Deputy Leader of The Progressive National Party
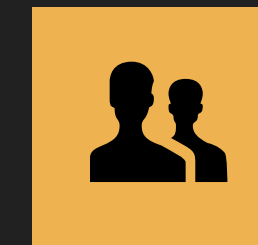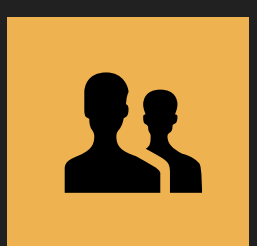
**Stan Hartling**
CEO & Lead Partner of The Hartling Group
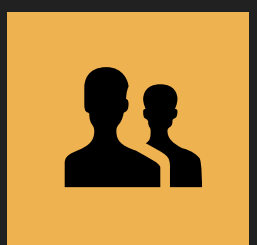
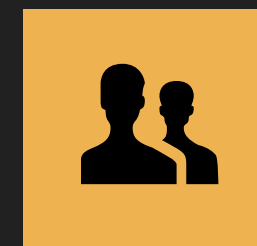**Carlos Simons**
Senior Partner at Miller Simons O'Sullivan
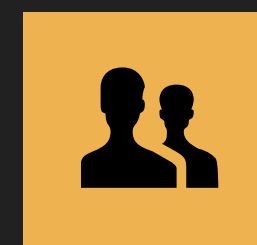
**Sandy Lightbourne**
Chairman of the Board of British Caribbean Bank, Former Chairman of the FSC & 40 years banking experience
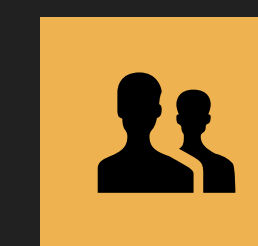
**Dawna Henderson**
Founded henderson bas in 1999, now brand consulting for blue chip companies & tech start-ups

**Cutella Talbot**
Local Pastor, Radio Personality & Public Figure

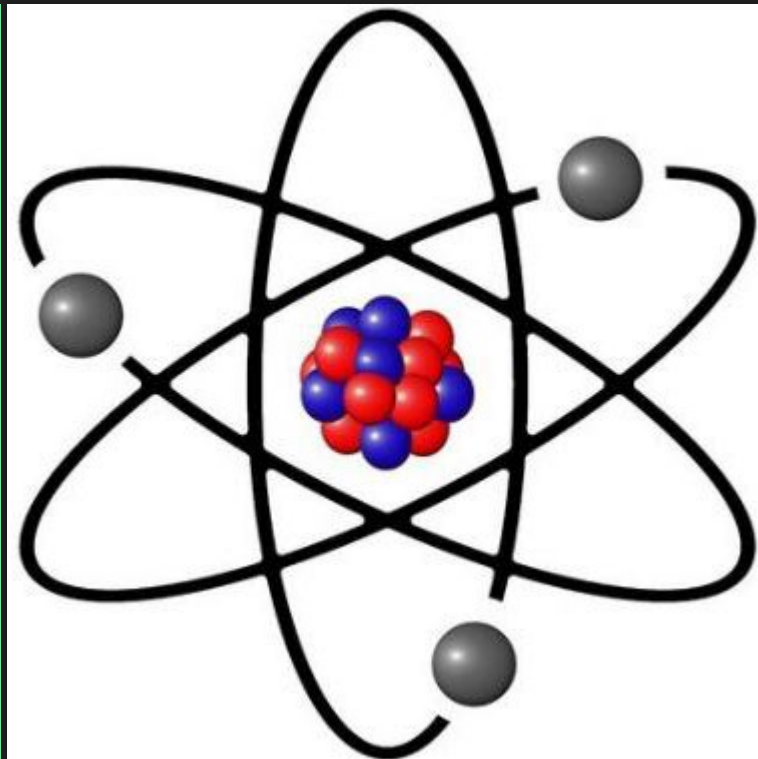**Carl Simmons**
Owner of Tropical Shipping, Turks & Caicos

**MoE Representative**
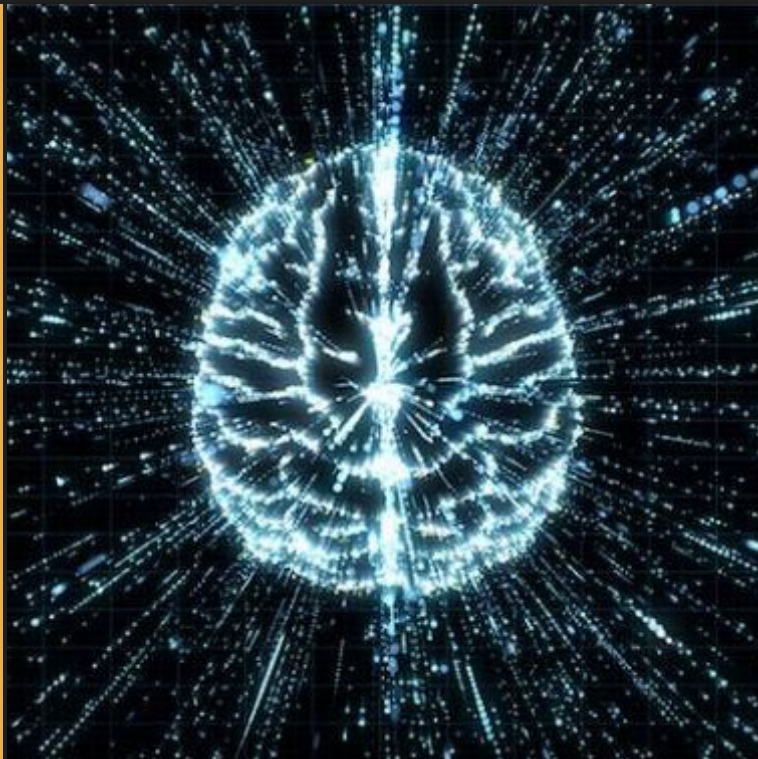Proposed seat being saved for the Minister of Education

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# Middle Management

**Executive Assistant**

Assisting both Exeuctive Director and Director of Technology in remote office

**Content Manager**

Produces the documentary explaining TCITech and the vision to key stakeholders, and captures footage

**Associate Director**

Point of contact in TCI when Executive Director isn't there, helping manage implementation
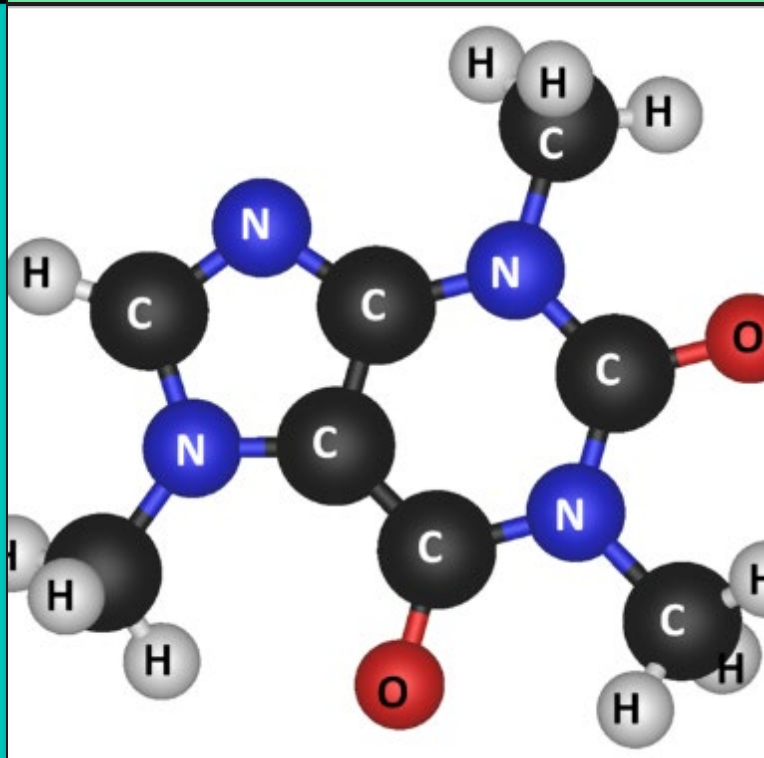
**Marketing Manager**

Manages Social Media, internet presence, creates and distributes content to engage community
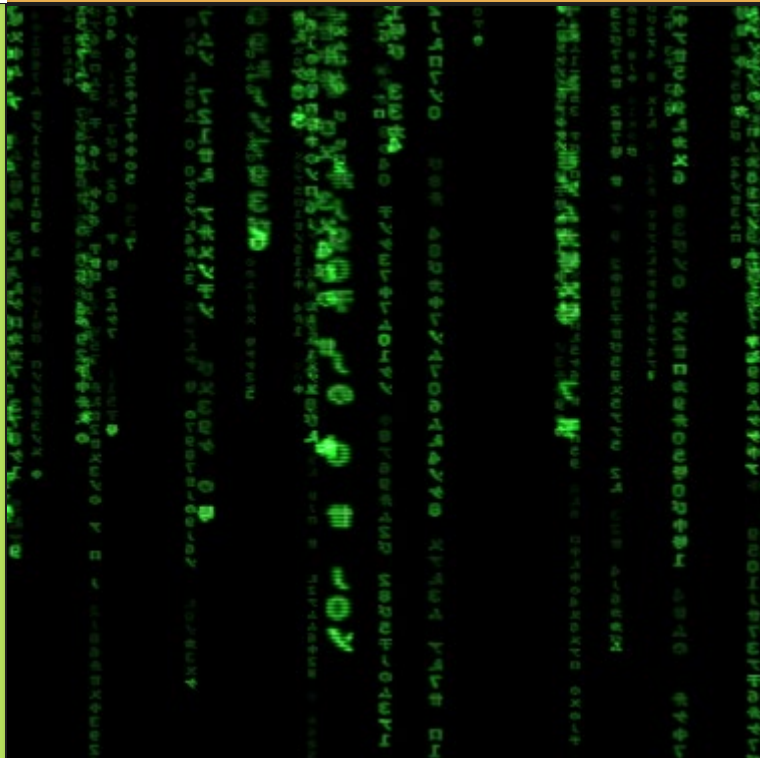
**Youth Relations**

On the ground in TCI ensuring workshop attendance and managing Manifezt relationship

By maintaining a weighted combination of people on the ground in TCI, and abroad in the remote office, we will be able to attract and build the right partnerships abroad, and manage the implementation in TCI of both the Atlas Ecosystem government partnership, and the partnership with The Manifezt Foundation.

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# Shifting The Paradigm

Through Traditional and Social Media

# Community Buy-In

### TCITech Documentary

Through working closely with a local film maker, we will create a 'John Oliver style' documentary laying out what exactly The TCITech Initiative is and how it will benefit TCI using eye catching visuals.

### Social/Traditional Media

Used to push and promote documentary, and to encourage engagement within the community. Will aim to increase public interest in tech & arts industries, along with promoting technological literacy.
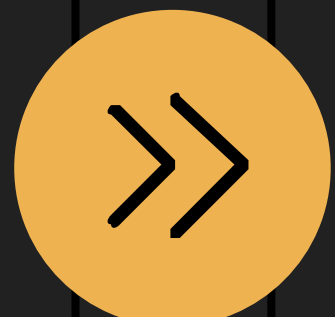
### Transformation

Ultimately grow TCI into more than simply a tourist destination, but also the center of research and development for tech in the Caribbean and a major regional contributor to the arts.

Capturing the hearts and souls of Turks Islanders is an integral part of the initiative. The long term goal is to get the community passionate about these industries so we encourage our youth to pursue meaningful, fulfilling, and high paying careers in both the tech and arts industries. Creating a motivated and trained local workforce, and opening our arms to skilled immigrants in these industries, we can create an ideal labor market to attract influential companies in those industries and grow local entrepreneurship.
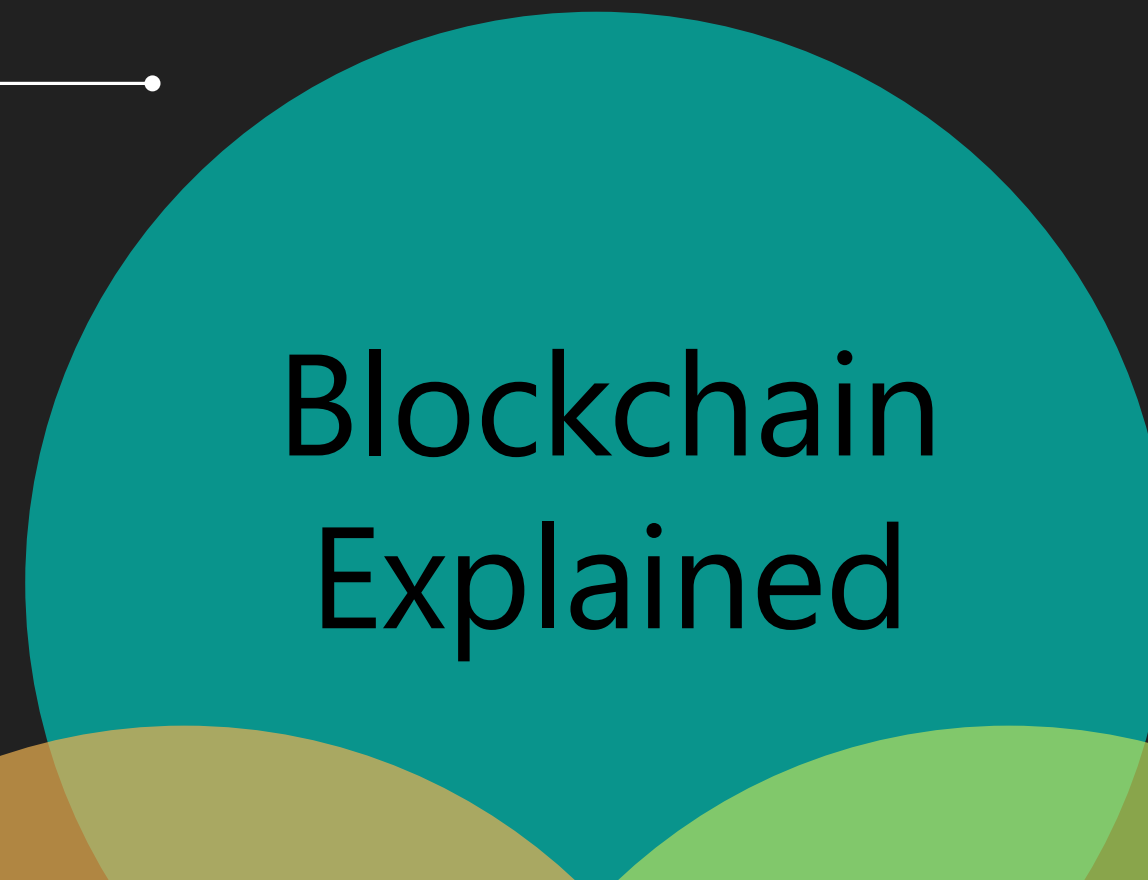
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# Blockchain Revolution

By Don Tapscott & Alex Tapscott

# A Must Read Book

Blockchain Explained
Clearly communicated for the average person without technical knowledge

Blockchain Explained

Inspiration
Opens the mind to the many applications of blockchain.

Influence
Written by some of the most well known ambassadors for blockchain

Inspiration

Influence

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