



The leading innovator in the space industry

Year In Review 2023



Content

1. CEO's Message
2. Executive Team
3. Advisors
4. Milestones
5. Awards
6. Products & Services
7. SpaceChain Updates
8. Innovation Giants Unite
9. Special Highlights



CEO's Message

2023 Reflections, Achievements, Challenges, and Goals Ahead

As we bid farewell to another transformative year — which we can say with the utmost of confidence — 2023 was truly nothing less than transformational. We are pleased to share a brief recap of notable achievements and milestones.



Powered by Artificial Intelligence, I-Sat combines advanced technology to deliver customized earth observation imagery and precision analysis for your business.

Platform Innovation

Our journey evolved from a pioneering web3 satellite blockchain platform to advancing agri-tech sustainability through artificial intelligence, machine and carbon sequestration measurements for various industry sectors. Leveraging our strong foundation in secure off-planet infrastructure, we recognized the imperative to expand our focus toward sustainable solutions.

By harnessing our technological expertise, we seamlessly transitioned into carbon sequestration measurement, driven by a commitment to environmental stewardship. This strategic shift underscores our adaptability and dedication to addressing global challenges.

Today, our company stands at the intersection of finance and environmental sustainability, exemplifying our capacity to innovate and contribute meaningfully to both sectors.

One example of our entry into the agrotech industry is through a collaboration with our friends at Hunnicutt Farms; a leading corn, popcorn, soybeans, and feed corn grower in Giltner, Nebraska. Together, we have developed a look into the future of sustainable farming with our advanced I-Sat platform, utilizing cutting-edge satellite imagery, analytics, and machine learning techniques.

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The initial insights into what transpired over the growing season and how it related to the final yield were an eye-opener for us.

Being able to take the previous year's data and overlaying it with current and projected growing conditions in a given year will allow me to make management decisions on my field, in near real-time, that will have a positive impact on yield and ROI.



BRANDON HUNNICUTT

Owner Partner at Hunnicutt Farms, & a 5th generation Nebraska farmer

Also, we are working with Bingham Family Vineyards. Known for their award-winning wines, we have introduced them to using our AI-satellite platform to support their operational decision with the objective to optimize processes. Specifically including the identification of areas to be addressed with resource efficiency and ultimately enhance to the production of their high quality grapes and wine.



In May, CEO Cliff Beek travelled to London to catch up with our UK team and partners to discuss strategy, product development, and present a groundbreaking demo.



In our newest initiative, we lead the development of cutting-edge Earth Observation (EO) solutions for Musang Valley Plantation. Grounded in Agile methodologies, this effort seeks to enhance the efficiency of analyzing and visualizing EO data, with a specific focus on estimating carbon mass and capture rates, aligning with environmental sustainability objectives.

Looking Ahead

As we look ahead to the coming year, the company remains focused on driving innovation, nurturing partnerships, and empowering our clients to thrive in an ever-evolving landscape.

We are excited to announce our decision to establish a regional headquarters in Saudi Arabia — which reflects our strategic commitment to tapping into the vibrant and rapidly growing market of the Middle East. Saudi Arabia's dynamic business landscape, coupled with its ambitious economic reforms, provides an ideal environment for our company to foster partnerships, leverage opportunities, and contribute to the region's economic development.

Innovation remains at the heart of the company, I extend my heartfelt gratitude to each member of the team for their hard work, dedication, and passion. Together, we've accomplished a great deal, and I am confident that our collective efforts will pave the way for even more in 2024.

Best,
Cliff Beek



In April, Co-founder and Executive Chairman Zee Zheng traveled to New York to catch up with CEO Cliff Beek. From their first meeting back in 2017 to today, the two have come a long way, and share a unified vision of protecting high-value data in space. They also met at our NYC office, 75 Rockefeller Plaza, to discuss plans and develop strategies.

Executive Team



Zee Zheng
CO-FOUNDER &
EXECUTIVE CHAIRMAN

- Serial entrepreneur
- M.A. Psychology – Columbia University, Draper University Alumni
- Lee Kuan Yew Senior Fellow at the Lee Kuan Yew School of Public Policy
- Honoree of the Forbes 30 under 30 Asia List of 2022



Jeff Garzik
CO-FOUNDER & CTO

- Key Bitcoin core developer
- Key Linux kernel engineer
- Leader of Ethernet networking subsystem
- Designed and built Amazon cloud computing clone (Project Hail)
- Co-founder of Bloq



Cliff Beek
CEO

- President & CEO of Cloud Constellation Corporation — pSpaceBelt
- Member of Board of Directors at Etheric Networks and CMC-Asia
- Co-founder of Star Asia Technologies
- MBA from Wharton School, University of Pennsylvania

Advisors



Don Tapscott

- Ranked the 2nd most influential management thinker in the world by Thinkers50
- Co-founder of the Blockchain Research Institute
- Co-author of the book Blockchain Revolution: How the Technology Underlying Bitcoin is Changing Business, Money and the World



Eric Anderson

- Chairman & CEO of Planetary Holdings
- Chairman & Co-founder of Space Adventures
- Chairman of the board of Booster Fuels
- Director of X Prize Foundation
- Well-known aerospace engineer & entrepreneur
- Pioneered the development of the space tourism industry



Jeffrey Manber

- Chairman of Nanoracks
- President International and Space Stations of Voyager Space
- Board member at StarLab Oasis



Matthew Roszak

- Chairman of Chamber of Digital Commerce
- Managing partner at Tally Capital
- Chairman & Co-founder of Bloq
- Co-founder of Vesper
- Board member of BitGive
- Producer of the documentary The Rise & Rise of Bitcoin

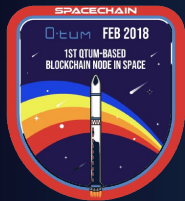


Tim Draper

- Renowned VC capitalist from Silicon Valley
- Co-founder of DFJ Venture Capital
- Headmaster at Draper University
- Founding partner of Draper Associates

Milestones

7 launches, including 3 nodes on the International Space Station



2 Feb 2018

Launched a full-node program on the Qtum blockchain that can process existing blockchain data.



25 Oct 2018

Embedded with SpaceChain OS & can perform blockchain related functions like smart contracts on the Qtum blockchain.



5 Dec 2019

Launched a testbed for Bitcoin multisignature authentication service to the International Space Station (ISS).



3 June 2021

Launched into space the first commercial Ethereum blockchain integrated satellite payload to the ISS.



30 June 2021

Launched a blockchain-enabled payload incorporated with space nodes created for customers.



13 Jan 2022

Launched a space node to support on-orbit Velas transactions and minting of an ERC-721 standard NFT.



26 Nov 2022

Launched a 2nd Velas blockchain payload integrated to the ISS.

Awards

SpaceChain has been recognised for its innovation & mission

Global Tech Award 2023

We're thrilled to share our victory in the SpaceTech category at the Global Tech Awards. This accolade reflects our dedication to innovation, mission success, and safety in space exploration.



2023 Moxie Award

We were named a 2023 Moxie Award winner in the Technology Category (50 employees).

Thank you for recognizing our commitment to innovation and advancement in the technology sector.

Products and Services

Revamped offerings for a sharper competitive edge

Tethys

Revolutionize your digital banking with secure, portable terminals. Utilizing space tech for global access, it's immune to attacks, communicates with satellites, and ensures control over banking security.



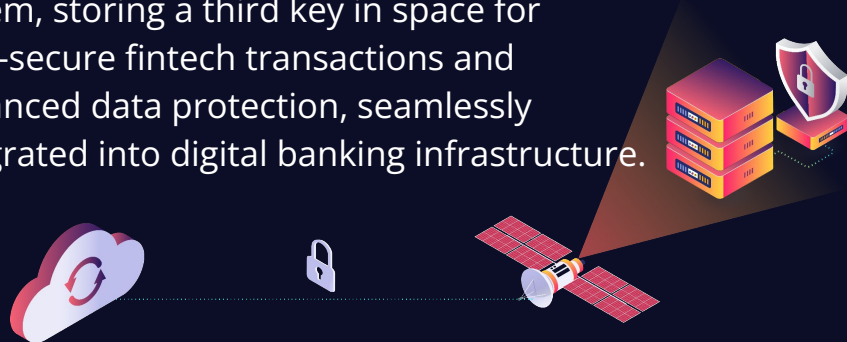
Space mission design & management

We offer unique solutions, merging space tech, fintech knowledge, and mission expertise. Customized from launching nodes to fortifying security, our space nodes create a secure fintech payment infrastructure in space.



Space-based key management system

Boost cloud security with our innovative key-management system, storing a third key in space for ultra-secure fintech transactions and enhanced data protection, seamlessly integrated into digital banking infrastructure.



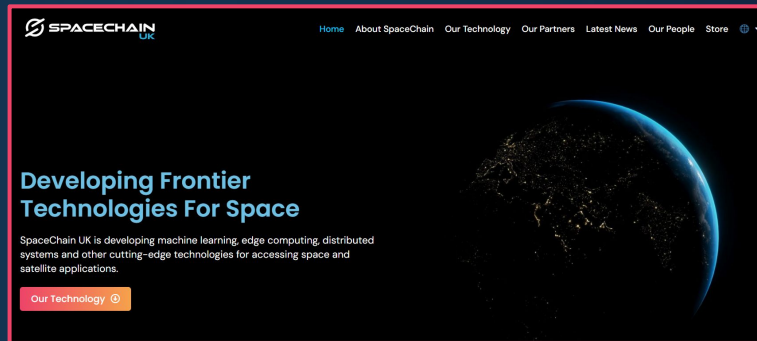
SpaceChain Updates

We refreshed & expanded our offerings



White paper

At the beginning of the year, we refreshed our white paper to keep you informed on our latest business plans, strategies, and innovations.



SpaceChain.Co.UK

We revamped our UK website with fresh videos, content, and graphics.



SPC on TikTok

We joined TikTok, allowing us to showcase our latest updates, and videos featuring our cutting-edge products, services, and our vision to share the future of space exploration.

Click on the video to learn more

SpaceChain swag

We launched an online store selling SPC merchandise so you can grab your favorite SpaceChain swag whenever you please. Shop at spacechain.myspreadshop.com



Zealy sprints

Since February, we've used the Zealy app to identify and reward our most active community members. This initiative aims to inspire increased engagement within our community. Visit zealy.io/c/spacearmy



[Click on the video to listen to the AMA](#)

Ask-Me-Anything

In March, the team held an AMA with CEO Cliff Beek and CTO Jeff Garzik on [discord](#). We had gathered a list of questions from the community before the AMA and got Cliff and Jeff to answer them. Read the Q&A [here](#).

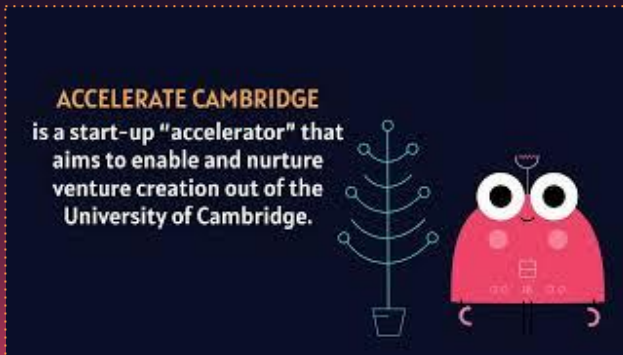
Innovation Giants Unite

Accepted into Leading Programs: A Boost for Tech Advancement with Exceptional Resources

Accelerate Cambridge Program

We kicked off the year with our UK team being accepted into the Accelerate Cambridge program. Established in 2012 by Cambridge Judge Business School, the program enabled us to further develop

our technology and business towards blockchain integration in space. It also facilitated access to university resources and connections.



[Click on the video to learn more](#)



NVIDIA Inception Program

In June, we joined NVIDIA's Inception Program, an esteemed collaboration that utilizes NVIDIA's cutting-edge AI and advanced computing technologies. This partnership enhances our satellite operations and data processing capabilities, unlocking new possibilities for innovation and advancement in space technology.

Google for Startups ecosystem

In April, we joined the prestigious Google for Startups program, a platform for early-stage companies to foster sustainable success. This collaboration bolsters our leadership in data

and transactional integrity within space infrastructure. The partnership with Google also provides opportunities for advanced processing applications on Low Earth Orbit (LEO) satellites systems and future payload launches, aligning with our commitment to exploring blockchain's potential in the space industry.



[Click on the video to learn more](#)

Iridium Value-Added Developer

Later in the year, we were accepted as an Iridium Value-Added Developer (VAD). As a VAD for Iridium, we have access to advanced tools and resources, as well as a team of experienced professionals who are dedicated to supporting our platforms. We can also work on projects that push our applications to new heights.



Attention all space enthusiasts!
We're thrilled to announce that SpaceChain has become a Value-Added Developer (VAD) with Iridium, a leading provider of global satellite communications. 🌐

Special Highlights

Recapping our impactful 2023: Meetings, events, collaborations, interviews, and presentations

SSPI's New York Space Business Roundtable

In February, CEO Cliff Beek participated in the [New York Space Business Roundtable](#) and discussed how cryptocurrencies fit into space financing. During the panel, he also shared about the benefits of

decentralizing digital transactions and the transparency of data that occurs over the blockchain.

Watch "NY Minute Wrap Up" segment (49:10-50 mins)



Click on the video to watch the interview

Let's Talk Shop with Elias Khnaser

CEO Cliff Beek was interviewed by internationally recognized thought leader Elias Khnaser in his [podcast](#) "Let's Talk Shop". The Chief of Research at EK Media Group wanted to find out more about blockchain in space, its use cases, and how it provides greater security.

Collaboration with SPiN

We collaborated with SPiN (Space Products and Innovation), a space-focused startup, on blockchain integration with the MA61C adapter, thus facilitating remote tasking of the camera module. This advancement in web3 technology enhances public engagement with space.



Left: Iain Goodridge and Cliff Beek. Right: (From left) AALTO HAPS CEO Samer Halawi, Iridium Communications COO Suzi McBride, and CEO Matt Desch.

Satellite 2023

From March 13 to 16, CEO Cliff Beek attended Satellite 2023 in Washington DC. He met with Spire's Senior Director of Marketing — Advanced Program Iain Goodridge at their booth during the exhibition and caught up with industry friends at Hogan Lovells hosted 2023 SatelliteEve Reception.



Fintech World Forum

Director of Technology Ziheng Xiang showcased our vision at the Fintech World Forum 2023 in London on June 22. His session, "Space Technology for Fintech Solutions," explored the synergy between space technology and fintech, emphasizing the role of space communications in enhancing security and potential investment opportunities in earth observation.

Ziheng was invited back to the Fintech World Forum in November to present a keynote on utilizing satellite communications for digital banking solutions and providing secure satellite terminal devices for global transactional security.



Meeting with Google

In February, CEO Cliff Beek met with Google's Senior Strategic Partnerships Development Manager — Public Sector, Steve Moran, at Google's Capitol Hill offices to discuss possible collaboration.



Feature in WIRED's Middle East Spring Issue

In the 2023 Spring issue of WIRED Middle East, we were recognized as one of the pioneering space companies in the MENA region. The article highlighted the efforts of innovators who are shaping new space technologies for the benefit of all.

Addvalue CTO Francis Low & VP Eyal Trachtman met with SpaceChain Director of Technology Ziheng Xiang in London



A breakthrough in space and satellite infrastructure integration

In collaboration with Addvalue Innovation and Alba Orbital under the Eureka Eurostars program, we achieved a breakthrough in integrating distributed infrastructure with space and satellite systems. This milestone enables real-time cross-company collaboration, allowing users to order space services directly from Alba Orbital through SpaceChain's server and the Inter-Satellite Data Relay System (IDRS) on a low Earth orbit (LEO) satellite by Addvalue.



Exploring the culture of Saudi Arabia

CEO Cliff Beek attended the Marvels Of Saudi Orchestra event in September at the Metropolitan Opera, New York. Hosted by the Ministry of Culture of Saudi Arabia and the Metropolitan Opera, the night celebrated the captivating power of music in uniting cultures. The concert provided an opportunity for Cliff to meet partners and showcase our offerings.



[Click on the video to see what happened at the event](#)



Cliff had the privilege of touring ARAMCO's headquarters in Dammam



At the FII event, Cliff was interviewed by Reine Carla Takla, Business Editor for Arab News

CEO Cliff Beek travels to Riyadh

In October, CEO Cliff Beek attended the Future Investment Initiative (FII) Institute 7th edition in Riyadh, Saudi Arabia. The three-day event offered insights into global discussions and navigating the challenges of today's unpredictable era.

SPACECHAIN

Innovation, Trust & Intelligence

