Navigating Digital Transformation: Building Trust in an Automated World

The Role of Blockchain in Safeguarding Data and Streamlining Transactions

BSV BLOCKCHAIN

Blockchain has so many applications that prioritising could be a challenge. Which uses should executives consider first? Consider use cases where:

1. Trust is most needed
2. Current technologies fail to adequately ensure trustworthiness
3. The number of transactions is highest

Uses include improving data processing integrity and security, optimising smart city operations, reducing supply chain costs, and automating and verifying AI operations.

Not all blockchains are created equal, however. More than 500 blockchains have tried to establish digital trust since 2008. **BSV is the first to scale trust reliably.**

BSV blockchain's design, which uses large blocks (comparable to pages in a record book), gives it the power to handle transactions at extraordinarily high volumes for much less cost than other blockchains. BSV blockchain's innovative features give it the ability to support at least 1 million transactions per second, more than any other financial network. And as the number of transactions rises, the cost per transaction goes down — a feature unique to BSV. BSV blockchain gives your enterprise a leg-up over competitors.

Using it, your enterprise can more readily profit from new sources of revenue, reduce operating costs, and more swiftly incorporate new technologies—with complete confidence in your operations and transactions, while facilitating regulatory compliance. You'll rest assured, knowing that your company can use and share its data as well as that of your business partners and customers with complete and utter trust.

Executive Summary

By 2030, it's expected, some 125 billion digital devices will be connected around the world, sending and receiving data via the internet and other wireless routes[1]. How can we ensure that these transactions are secure, and that the information exchanged retains its integrity?

Data trust has always mattered, but never more so than in the new digital age, as artificial intelligence (AI), the internet of things (IoT) and other emerging technologies make decisions autonomously — decisions that can help an enterprise thrive, or threaten its operations, revenue, and reputation.

Blockchain technology opens a window on trust. Using it, enterprises can see clearly where data originates, where it has travelled, and how it has changed along the way. Blockchain's transparent, secure, and immutable digital ledger establishes reliability and confidence that a business's devices and data are working as they should. This trust is essential for making the bold moves needed to stay ahead of the competition amid constant, increasingly rapid, digital transformation.

A bold new world

Trust is of the essence in business, but getting a firm foothold can feel difficult when everything seems to constantly change. In the digital realm, we see exponential growth in:

1 **Connected identities** Digital identities and data sources—human and machine—have exploded in number and type as online interactions proliferate and accelerate. Each identity has unique characteristics, attributes, and privileges.

2 **Transactions** AI now plays an important role in automating transactions by performing processes that humans previously completed. Each transaction produces more data.

3 **Digitised processes** For enterprises to realise efficiencies they need to digitise certain physical processes — using generative AI (GenAI) for customer service and upselling, for instance, and incorporating extended reality applications.

One reason for the new digital transformation wave we're seeing now: economic opportunity. Enterprises have invested heavily in GenAI these past 18 months, and with good reason. Deploying GenAI tools can quickly increase worker productivity by 10% to 20% or more, a report from Boston Consulting Group shows[2]. AI adoption could also relieve, at last, ongoing tech talent shortages.[3] Doing more with fewer people could bring significant cost savings.

1 The missing link to trusted exchange of data in the new digital age

Enterprises have been digitising for some 30 years — but artificial intelligence (AI) takes transformation to the next level. It is no wonder why: AI enables businesses to reach their potential at last.
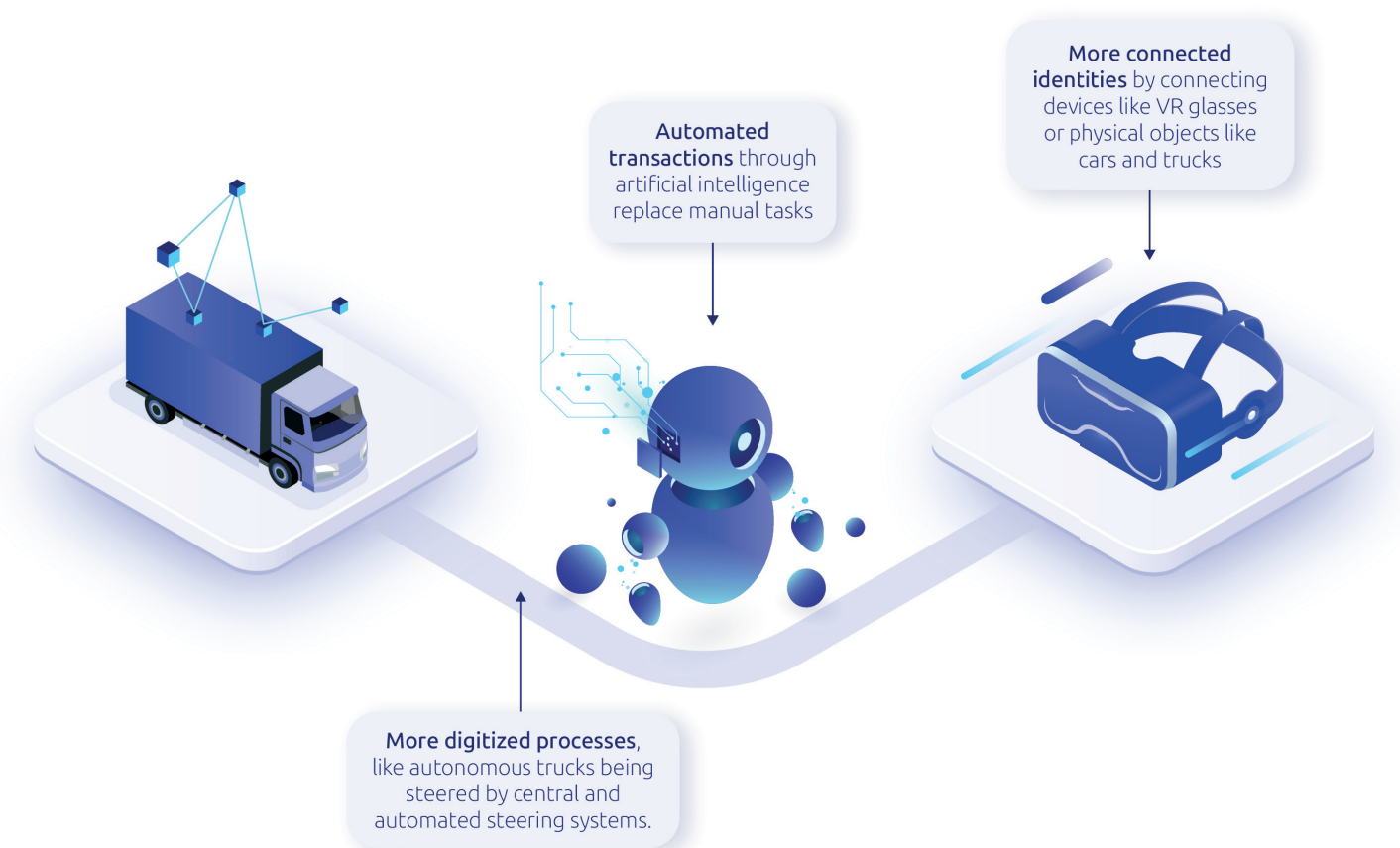
With such rapid and dramatic change comes uncertainty, however. How can you be sure that your digital technologies are working together as they should? How do you know that the results provided are based on reliable data, and that your data and devices are tamper-free? The answer, for a growing number of enterprises: blockchain.

More connected identities by connecting devices like VR glasses or physical objects like cars and trucks

Automated transactions through artificial intelligence replace manual tasks

More digitized processes, like autonomous trucks being steered by central and automated steering systems.

Visual 1 A new wave of digital transformation connects identities and automates processes between them.

A matter of trust

Until now, enterprise leaders have tended to rely on physical interactions and tangible proofs to verify identity: signing a contract in-person; viewing an official stamp, seal, or photo identification; accepting a cash payment, and more.

Today's digital technologies complicate the trust issue. What happens when IoT devices are interacting, their exchanges not involving humans at all? How can we trust an image or voice when AI use has blurred the distinction between "real" and "fake"? The dangers, on the other hand, are very real. AI-generated images of an "explosion" at the US Pentagon caused a dip in the stock market in 2023[4].

Data misuse, security breaches, misinformation: these pose thorny challenges to digital trust, and the threats increase with each technology your enterprise uses. And yet, ensuring that your devices, solutions, and systems are trustworthy — that they are secure, that their transactions are transparent and verifiable, and that they can handle their workloads — is critical for doing business today.

Enterprises struggle with trust in four key areas:

1 **Trust in identities,** ensuring that the digital identities with which they interact are authentic and verifiable. Blockchain acts as an immutable and transparent source of truth for trusted identity verification, as its transaction record, or "ledger", is unalterable.

2 **Trust in ownership,** confirming Intellectual Property (IP), copyright, and ownership of digital assets, information, and data. The blockchain ledger serves as a digital trail so you know where and when every bit and byte comes from.

3 **Trust in data,** guaranteeing that information remains unchanged and traceable from its source. Blockchain's transparent window into each interaction means you can verify your data's integrity and use it with confidence.

4 **Trust in systems,** reducing the number of checks required to prevent data transfer errors. Blockchain enables trusted data sharing in a non-trusted environment. For example, it can help with attributing content to its source, thereby ensuring trust in automated systems that make use of the data.

Clearly, we need an arbiter of trust in this new, uncertain business world. We need robust processes for verifying data. We need systems that are secure and tamper-proof. We need the ability to secure, manage, use, and store vast, ever-increasing amounts of information.

Fortunately, we do not have to invent a technology that meets these needs: it already exists.

2 Blockchain:
The technology at the heart of digital trust

Granted, blockchain's role as a trust enhancer is not new. Enterprises have long known that blockchain can provide transparency and reliability for the solutions they need to succeed. But automation and the use of AI take the need for trust to a new level.

To realise the promise of the new digitisation wave in which companies find themselves, we need a proven solution: one that integrates with technologies such as AI and IoT, and that lays a foundation of trust.

Blockchain is the technology associated with trust, security, and integrity. Its secure and transparent method of recording transactions ensures that its users can use AI and other emerging technologies with confidence and enjoy the benefits they offer.

WHAT IS BLOCKCHAIN?

Blockchain is a "digital ledger" technology that records transactions in a secure, transparent, and immutable way. Each "block" of information links to the previous cryptographically, ensuring that its data can't be compromised or changed. Altering any information is impossible even with 100% consensus of all users.

Benefits of Blockchain

Although often associated with cryptocurrency, blockchain offers a multitude of uses and benefits whose value to enterprises extends far beyond that of financial tokens. Here are a few:

1 **Blockchain creates trust.** Using blockchain to manage verifiable digital identities of people, businesses, or devices engaging online means network participants can trust in these identities' integrity.

2 **Blockchain offers secure exchange.** Its reliance on a decentralised infrastructure dramatically reduces the risk of unwanted modifications when data is shared.

3 **Blockchain provides integrity.** Its transparency enables users to see for themselves that the data they're sharing hasn't been tampered with. This feature makes for a trustworthy audit trail, simplifying regulatory compliance.

Blockchain's benefits are mighty. Using it, your enterprise can not only operate more efficiently and confidently, but also position itself as a leader and innovator in what's shaping up to be the Fifth Industrial Revolution: one powered by AI and IoT, and the many innovations they make possible.
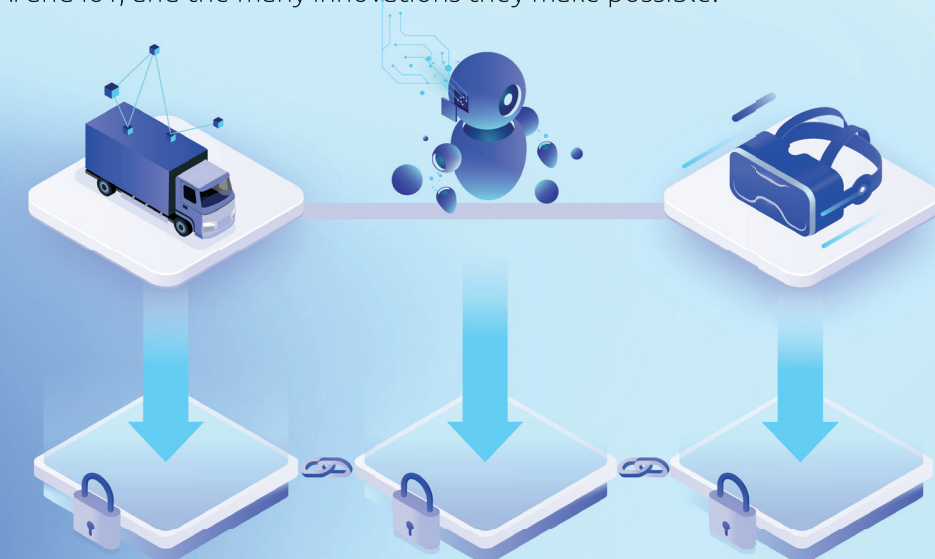
Visual 2 Blockchain acts as the foundational layer that enables secure and credible exchange of information between them.

3 Blockchain's strategic value:

A world of new use cases

To thrive in today's digital, data-based economy your enterprise must digitise its processes throughout and ensure that those processes are always verifiable and secure. Blockchain, therefore, should play a central role in digital transformation strategy.

Visionary leaders and investors already understand blockchain's importance. Sam Altman, CEO at OpenAI, recently raised $115 million for his blockchain-based digital identity project Worldcoin. Altman envisions Worldcoin as the world's largest identity network, designed to issue blockchain-based tokens that verify individuals' identities while ensuring their data remains private. Altman understands the power of blockchain to verify and authenticate transparently and securely[5].

Digital identity is just one of many applications for blockchain. This technology offers a wealth of uses for enterprises seeking to establish and maintain trust in their data, systems, and technologies. Consider these areas of opportunity, and how they might apply to your enterprise:

Securing the data that enables your business

Challenges: The more you digitise, the greater your risk of unauthorised access and data tampering. Security breaches can cause disruptions in your automated processes and compromise the integrity of your data as well as the decisions based on that data.

And how can you know whether your AI models are dependable? How to verify that the data used to train them derives from trusted sources?

Opportunities and use cases: Blockchain secures data collection from verified systems, ensuring that it remains accurate, tamper-free, and tamper-proof — essential for operational integrity and compliance, as well as accurate for use in automated systems.

By ensuring data integrity, blockchain enhances trust and reliability in all your digital platforms.
This step is key for:

- **Optimising smart city fees.**
  With blockchain and IPv6, the newest, most secure internet protocol, smart city administrators can use IoT with confidence. Low transaction fees and high throughput ensure that micro-transactions such as minute-by-minute parking fees and utility charges are economically viable and securely processed.
- **Lowering manufacturing supply chain costs.**
  Blockchain revolutionises manufacturing logistics. It provides a secure and scalable platform for managing IoT device data. It enables smart contracts to automate supply chain transactions at a much lower cost, achieving significant savings in paperwork costs. About one-fifth — 21% — of overseas trade costs stem from paperwork, according to shipping logistics provider Maersk.[6]

- **Supporting accurate, efficient reporting**
  For those concerned with ESG, blockchain can ensure the integrity of emissions data captured from IoT sensors along the supply chain. It's a cost-effective solution for comprehensive carbon footprint reporting, in line with Corporate Sustainability Reporting Directive guidelines.
- **Automating or supporting AI operations**
  Blockchain can help with verifying, time-stamping, and attributing content to its source, helping to ensure that AI models get trained on reliable data.

Creating new sources of revenue

Challenges: Monetising digital assets becomes difficult when your organisation can't readily verify ownership of these assets or track how its intellectual property gets used.

Opportunities and use cases: Blockchain provides a powerful framework for verifying, time stamping, and attributing digital content with a clear audit trail, invaluable for managing royalty payments; collecting royalties on intellectual property used in AI models; and gaining revenue from digital assets such as tokenised stocks and bonds.

- **Royalty collection.** Blockchain networks can manage complex IP rights and automate royalty distribution, ensuring that creators such as authors or musicians benefit from AI-generated use of their work.
- **Micropayments for IoT.** Blockchain networks give your enterprise the ability to buy and sell the data that IoT devices generate using micropayments, on a subscription basis. This business model allows users to access up-to-date, specific information and pay only for the data they need.

- **Fan experience and engagement.** Blockchain-based fan experience apps turn event tickets into digital collectibles that grant ticketholders access to exclusive perks and help to keep them engaged with your enterprise.

Increasing efficiency of payments and data exchanges

Challenges: When transacting money or information, businesses grapple with long processing times, high transaction fees, and compliance with international regulations. Unprecedented quantities of data are one cause: traditional digital systems falter under the workload; their reconciliation time and processing performance degrade.

Opportunities and use cases: Blockchain enables swift and secure transaction settlement. It helps digital systems handle transactions smoothly and at a lower cost by sharing data through the blockchain, eliminating the need for reconciliation — a boon for businesses that frequently collect, send, and receive money or information digitally. Blockchain use is crucial for complex cross-border or inter-company transactions, such as:

- **Central Bank Digital Currencies (CBDCs).** CBDCs allow real-time transactions and improve monetary policy implementation. Using blockchain for CBDCs supports innovations including currency programmability and new financial products.
- **Voluntary carbon credit markets.** Blockchain makes carbon trading easier and more dependable. It securely registers these credits for immediate verification via AI solutions. One provider, ZeroSix furnishes U.S. oil and gas producers with blockchain-native carbon credits, for example, in exchange for leaving reserves in the ground. In this way, ZeroSix provides companies with an incentive to refrain from extracting and burning these fuels, helping to meet the planet's carbon budget.

- **A trusted tool for financial markets.** J.P. Morgan launched the Onyx initiative in 2020 with the goal to advance blockchain and digital currency projects within the banking sector. Products launched under Onyx include solutions that facilitate cross-border payments, simplify clients' liquidity funding needs, and solve complex information-sharing challenges.

Just as different companies use different operating systems, different blockchain technologies also exist. They are immutable and secure, and ensure integrity. Each has unique features that make it better for certain uses. The BSV blockchain is uniquely scalable, affordable, and stable. These qualities make BSV a superior option for businesses or applications that need to handle many transactions cheaply and efficiently.

4 BSV Blockchain
Building Trust at Scale

BSV blockchain stands out as a secure and stable blockchain technology with unique business benefits. BSV was designed for scalability and thus enterprise-level use cases

Among its unique features:

Efficient scaling
Overlay Networks and unbounded block size achieve 14,000 transactions per second (tps). With Teranode, BSV seeks to achieve more than 1 million+ TPS - In comparison, Visa's TPS lies at around 1,500-2,000, and only scalable to 65,000+ TPS

Low transaction costs
Cost-efficient solution with transaction fees as low as $0.0000006* - In comparison, Stripe online transaction fees lie at 1.5% to 3.25% of payment value plus a flat fee of $0.27

*May 17, 2024

Resilience and stability
Reliably operating for more than 5 years and processed over 3.6 billion transactions

Sustainability
On average emits about 0.03 kg CO_2 per transaction and consumes less than 500 MWh energy per day. This performance demonstrates greater energy efficiency compared to other Proof of Work (PoW) blockchains

Security
Anchored in a battle-tested Proof of Work mechanism and a UTXO-based token model, forming a trustworthy and immutable blockchain architecture

Regulatory compliance
Not classified as a security and implementing legal rules to govern its nodes

Visual 4 Overview of BSV's Key Advantages for Business Operations

1 **Efficient scaling.** BSV blockchain handles high transaction volumes efficiently. It allows as many as 14,000 transactions per second (tps). With the upcoming Teranode upgrade, tps could reach 1 million tps or more - much faster than traditional payment processors such as Visa, who, by comparison, can execute only about 65,000 tps.

As Elon Musk puts it: *There is merit [to] maximising base layer transaction rate & minimising transaction cost... Block size & frequency should steadily increase to match available bandwidth."* [8]. With Teranode, BSV does exactly that, boosting its blockchain's transaction speeds by as much as 70 times. Scalability and speed make BSV an ideal transaction agent.

TERANODE – 1 MILLION TRANSACTIONS PER SECOND:

Teranode, a significant upgrade for BSV, supports 1 million transactions per second — more than 10 times the maximum theoretical transaction rate of Visa. Uniquely, Teranode reduces transaction fees as usage increases, thanks to its ability to process more transactions in each block, efficiently spreading costs. This feature presents a clear economic advantage, particularly for high-volume businesses aiming to enhance efficiency and cut operational expenses.

"It is exciting to be working with the BSV Blockchain to enable the Teranode platform with the built-in efficiency and scalability needed to truly adhere to the Bitcoin protocol, while supporting rapidly expanding enterprise blockchain use cases. We have every confidence that the performance we deliver will be consistently high, as the BSV platform scales from gigabytes to petabytes." – Ivan Maier, Regional Manager, Central Europe, Aerospike

2 **Low transaction costs.** BSV's transaction fees, as low as $0.0000006 (May 17, 2024)[10], are lower than those of fintech payment providers such as Stripe. Stripe's fees for credit and debit cards payments range from 1.5% to 3.25% per transaction for businesses, with an additional flat fee of approximately $0.27 per transaction.[11] BSV offers a distinct advantage for users seeking low-cost blockchain transactions. The Teranode upgrade is expected to further lower transaction fees.
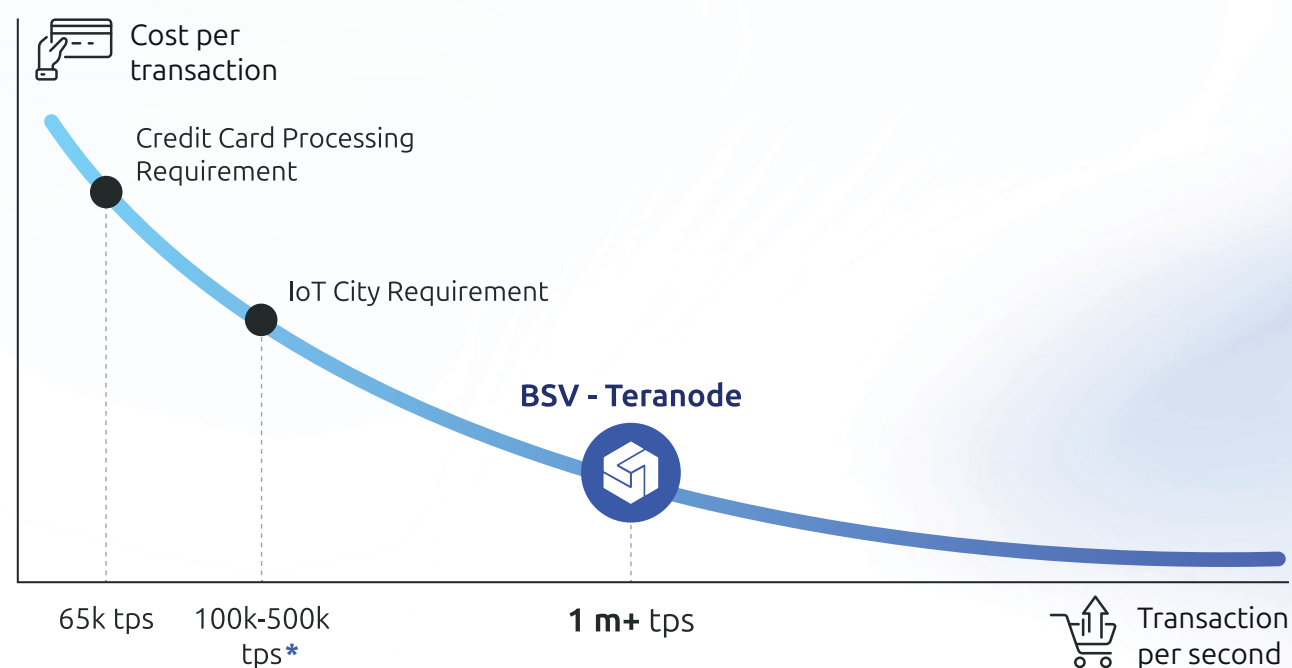
Visual 3 *Higher scalability and reduced cost based on transaction speed (x-axis) and cost per transaction (y-axis)*
* Number is dependent on the scale of the city and the number and nature of devices connected to the IoT network

3 **Resilience and stability.** In the past five years, BSV's network has processed billions of transactions and handled enormous daily volumes. This track record of uptime makes BSV a preferred choice for enterprise applications needing reliable and continuous operation.

RekordIoT, which is building hardware monitoring and analytics solutions for IoT infrastructure, processed an impressive 128 million transactions on August , 2023,[9] and continues to manage tens of millions of transactions in a single day.

Furthermore, BSV's test networks allow for testing new applications separate from the main network, ensuring that core operations remain unaffected.

4 **Security.** BSV's security features make it a preferred platform for cybersecurity applications to build upon, such as Certihash, an application designed for cyber breach detection in collaboration with IBM.

Key security benefits include:
- **Established consensus mechanism:** BSV transactions are safeguarded using the well-established Proof of Work (PoW) consensus algorithm.
- **Confidentiality:** BSV allows that only authorised users can see and use confidential data.
- **IoT Security:** BSV plans to improve IoT security by incorporating IPv6, the most advanced and robust internet protocol available for device communications.[12]

5 **Sustainability.** BSV stands out for its energy-efficient operations, with each transaction producing only 0.03 kg of CO_2 and daily energy consumption under 500 MWh—both figures are significantly lower than those of many other Proof of Work (PoW) blockchains. These metrics highlight the commitment to minimizing environmental impact.

6 **Regulatory compliance.** BSV's proactive stance on regulatory compliance helps to mitigate potential legal and operational risks

BSV is the unique blockchain adhering to the original Bitcoin protocol. As the US Security Exchange Commission (SEC) exempted Bitcoin as securities, the BSV's Bitcoin-based blockchain solution should be exempted as well, minimising regulatory risk to users.[13]

BSV as a blockchain network implements legal rules governing the activities of its nodes.[14] (A blockchain node is a computer that maintains and secures a blockchain's transaction records for business operations.) This approach looks to integrate blockchain technology with established legal frameworks.

BSV adheres to the European Commission's "electronic identification and trust services for electronic transactions in the internal market" regulation (eIDAS 2), which regulates the use of blockchain-based digital identity.[15]

"Establishing alert key mechanisms in blockchain will help to provide a level of trust currently only available in highly regulated industries like banking – and will play a key role in enterprise adoption"

– Laurin Karl L. Frommann, Leader of BCG's Risk and Compliance Practice Central Europe

WHY IS BSV NOT A SECURITY?

"The SEC has stated that Bitcoin is not a security under the federal securities laws in the United States due to its function as a substitute for fiat currency as a medium of exchange. The BSV Association maintains that BSV restored Bitcoin protocol to its original design – and therefore its concept as a medium of exchange," writes the Cozen O'Connor legal firm.

"Accordingly, one may reasonably conclude that the SEC would not view BSV as a security. Furthermore, in applying the Howey test – the test applied to digital assets to determine whether they are investment contracts, and therefore securities – one may reasonably conclude that BSV does not meet the required elements of being a security."

BSV's stability and adherence to applicable law looks to ensure that it operates without the need for onerous compliance processes required for securities.

How can businesses reap these benefits? Let's explore a few examples of applications showing how BSV, with its unparalleled scalability, robust security, significantly reduced transaction costs, and other unique features, meets companies' needs today and prepares them for success tomorrow.

- **Finance**. Centi uses the BSV blockchain to simplify stablecoin transactions. Centi commands strong trust from the market, with companies like Payrexx trusting Centi to handle transactions of its 50,000 clients.[16] In addition, Centi has enrolled more than 250 merchants, and recently achieved a milestone by processing more than 1 million micropayments in just 24 hours, each transaction amounting to 1 cent.[17] BSV's platform uniquely supports financial applications, like Centi, that require scalability and compliance compatibility.
  Business benefit: Processing large volume of small transaction sizes, as small as 1 cent, with low transaction fees at scale

  "For CENTI, scalability is the most crucial element. And yes, this may also be achieved with Proof of Stake (PoS) protocols like Solana. But besides scalability, it was crucial for us to build our services on a protocol that has a granted legal classification as currency since otherwise Centi's business cases might be at risk when the underlaying token is classified as security. (…) Given the current landscape, only Bitcoin Cash and BSV can do so. We decided to go with the latter, since it offers unlimited scaling as well as higher chain activity.

  – Published Centi statement on collaboration with BSV[18]

- **Internet of Things:** RekordIoT, a hardware monitoring and analytics solution for IoT infrastructure, uses the BSV blockchain to streamline data management and security for IoT devices, addressing key issues in scalability and interoperability. The project has attracted significant funding and interest from major clients, highlighting its potential to transform IoT infrastructure on a large scale.
  Business benefit: Storage and encryption of data from IoT sensors increases trust, integrity, and security of IoT generated data

  "Rekord has shown us where blockchain can add value within the work we do, integrating new technologies as we advance the rollout of Industry 4.0. Within Industrial IoT we deal with huge amounts of data and so all solutions need to be highly scalable. We understand through Rekord that BSV is a distributed ledger technology that can provide the functionality and features our clients are looking for."

  – Trent Industries

- **Supply Chain:** Gate2Chain, a company building enterprise solutions, employs BSV to increase transparency and efficiency in supply chain operations and solve traceability and security issues. For example, its BSV-based platform Trace is designed to combat fraud and counterfeiting in the supply chain by providing digital twins and certification. The initiative has formed partnerships with large multinational corporations, including a significant collaboration with IBM in Poland, showcasing its capability to revolutionise supply chain management through innovative blockchain integration.
  Business benefit: Transparent and immutable audit trail of supply chain-related activities, for improved data trust and security

  "The first reason why we chose BSV is the stability of the protocol. BSV is working with a locked protocol. We need the stability in the protocol; otherwise, we need to change (our applications) all the time. The second reason is that we need scale. We work with retailers, where you need to record every delivery, every return, map every relationship with suppliers, which equates to millions of transactions each year. Thirdly, we need scale at an affordable price. We cannot pay the high fees of the rest of the protocols. Now our gas fee is so cheap, we can meet the level of scalability our customers need at affordable cost. "

  – Bart Olivares, CEO at Gate2Chain

  "We believe that a solution such as Trace can drive trust and traceability across all industries. Trust and traceability are becoming more and more important as the world pushes for more sustainability and a circular economy."

  – Dr Agata Slater, IBM[19]

- **Invoicing, Storage, and Identity:** MintBlue, on the BSV blockchain, offers a scalable infrastructure for building and managing blockchain applications. Its largest customer, Visma | Yuki, uses MintBlue for e-invoicing. MintBlue also works with the Dutch Chamber of Commerce to explore instant tax payment solutions. MintBlue successfully processed 50.5 million transactions in a single day at a cost of only €400, with each transaction containing a simulated document.
  Business benefit: Increased trust and transparency as well as process efficiency gains and cost reductions

- **Gaming:** FyxGaming is at the forefront of merging Web3 benefits with traditional Web2 gaming experiences through the BSV blockchain. The company's FYX Gateway product allows seamless asset exchange among different gaming platforms. The flagship game, CryptoFights, showcased more than 10 million transactions per day on BSV.
  Business benefit: Trading and monetisation of in-game assets, diversifying revenue streams

- **XR Metaverse:** Using BSV, Transmira developed its Omniscape platform, which monetises XR (augmented reality and virtual reality combined) for spatial computing and experiential marketing.
  Business benefit: Immersive XR paired with blockchain to engage fans, expand customer base, and drive sales.

- **Ticketing and Events:** At its latest event in HongKong, ComplexCon, a series focused on pop culture, music, art, fashion, food, and technology, gave its attendees superior experiences with an app powered by BSV's blockchain and built by BSV's partner nChain. Users could import their tickets into the app, turning them into digital collectibles that granted them access to exclusive perks such as merchandise, artist appearances, and exclusive drops.

"We believe that UTXO architecture (BSV's architecture) is more suitable for real-world enterprise solutions that need to be compliant and private and support commercial scale without offloading workload to other systems. Secondly, BSV is a public protocol with the mandate to keep it set in stone. This gives me confidence in selling solutions using the protocol because I know it will always work as intended. All other blockchain protocols have the opposite mindset. In short, BSV innovation happens ON TOP of the protocol. All other protocols innovate by working INSIDE the protocol, changing the rules and creating an uncertain base layer for organisations to build upon."

– Niels van den Bergh, CEO at MintBlue

"With an increase in invoice fraud and other security challenges, it is important to be able to rely 100% on incoming invoices. With MintBlue, we are taking a big step towards achieving our goal; a 100% automated accounting system. MintBlue's SDK took care of 90% of the solution."

– Jeroen van Haasteren, CTO at Visma | Yuki[20]

"Powered by mintBlue, the Dutch Tax Office built a plug-in that connects bookkeeping systems and connected POS devices to an encrypted ledger. This enables business owners to share transactions in real-time, making tax reports as easy and effortlessly as possible."

– Published use case report by the Dutch tax office

"Choosing BSV as our blockchain platform was an initial strategic decision driven by its exceptional scalability and low transaction fees, which enable us to subsidise gas costs for our users, enhancing their gaming experience. Additionally, BSV's robust tooling, including a ready-to-use marketplace, and the cost-efficient on-chain storage capabilities for assets like NFTs, make it ideal for FyxGaming's needs."

— Adam Kling, CEO of FyxGaming

"There's only one blockchain that can handle this: it's the BSV blockchain. BSV is fast, it's scalable, it's very inexpensive, and it gives us the security, trust and verification we need."

– Robert Rice, CEO of Transmira[21]

"At the event, guests were able to register their ticket for a digital version minted on blockchain. This then allows us to process gift redemption efficiently and securely on site using the event app. We see the potential of offering future benefits to these inaugural edition digital ticket holders, and we won't be surprised if the anticipated future stream of benefits will be valued by the market, resulting in active trading of these digital tickets on open markets. This will transform the fan experience from a series of unconnected one-offs to a deeper engagement that keeps rewarding the most active fans."

– Bonnie Chan Woo, CEO of Complex China

- **Tokenisation:** Tokenovate, built on the BSV block-chain, streamlines the creation and management of digital tokens for businesses. It addresses the need for a more accessible and scalable tokenisation process, allowing companies to issue, manage, and trade digital assets at an affordable cost.

"It's unrealistic to think about building a smart contract trading platform or a lifecycle engine if every event in processing costs me, you know, $1.50 or $2 more. Ultimately, that isn't a proposition that I can take into the traditional finance market. It would be too cost prohibitive to run on a digital ledger technology with high transaction fees and low throughput. So, the BSV Network is bringing scalability. It brings affordability."

– Richard Baker, CEO of Tokenovate

With BSV's robust and scalable architecture, these diverse projects illustrate just the beginning of what's possible. For enterprises in every sector, BSV's innovative platform supports applications in AI, IoT, and more. As these projects proliferate, increasingly demonstrating the power of BSV, they open a world of possibilities for companies looking to blockchain technology to drive their digital transformation and solve complex business challenges.
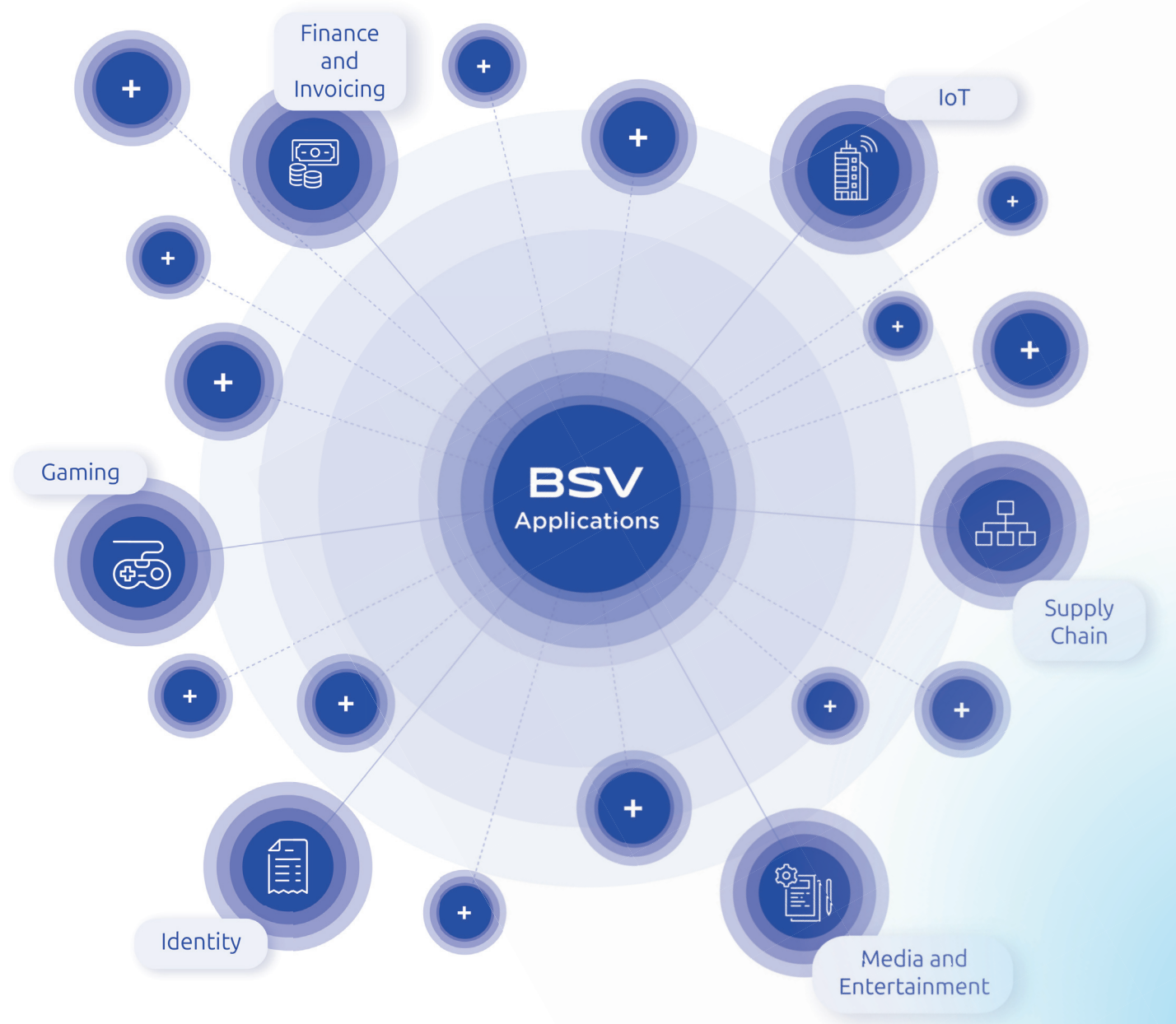
Visual 5 *Existing use cases in BSV cover a range of industries*

5

Outlook:
From hype to a reality of trust

Blockchain's value has long been considered speculative, its potential touted but with few proven results. Now, it's finally coming into its own. Enterprises are increasingly integrating blockchain into their digital processes and applications, and reaping rewards – which, taken together, come down to one key enabler: trust.

As blockchain converges with other emerging technologies such as AI and IoT, it's not just meeting expectations; it's exceeding them. At last, companies can use their technologies and the data they generate with confidence.

Once a matter of hype, blockchain is conferring a reality of trust on many businesses, providing certainty where uncertainty once reigned. The strategic and operational improvements blockchain allows promise to revolutionise business models, redefine industries, and position users to outperform competitors.

Blockchain technology, including BSV, can increase the transparency, security, and efficiency of your digital transactions, and make your enterprise a standard-setter in your sector. Questions you might ask as you venture into this exciting new era include:

- **Which parts of your business could benefit from a heightened level of trust?**
  Evaluate your immediate and long-term needs to secure your applications' and processes' data exchanges, as in smart city systems or automated decision-making in procurement. Do you need to add verification or other elements to increase trust?

- **Where is it so costly or difficult to implement trust that it is prohibitive?**
  If existing solutions that can provide trust show technical issues or are provided through costly third-party vendors (for credit scores, for example), consider if Blockchain is the right technology to provide trust instead.

- **Will you require a significant number of transactions to be processed?**
  If yes, you're uniquely positioned to reap the greatest benefits from BSV.

Adopting blockchain in itself is not the be-all and end-all of digital integrity, but a valuable — and exciting — first step. Blockchain alone won't solve some challenges. You may also need to secure your sensors and other devices receiving incoming data. You will need to integrate blockchain with your systems, gain a thorough understanding of your regulatory requirements, and perhaps develop in-house expertise or form strategic partnerships.

Here is one partnership opportunity: We invite you to join our Proof of Concept or co-creation initiatives to explore, together, the possibilities for blockchain. The best way to experience the transformative power of blockchain technology is to start developing and building blockchain-based solutions. Join us in shaping this technology's future!

Now is the time to get involved. Learn how blockchain can help you benefit from new digital technologies, and take existing ones to the next level. To find out more, please do not hesitate to reach out to our experts.
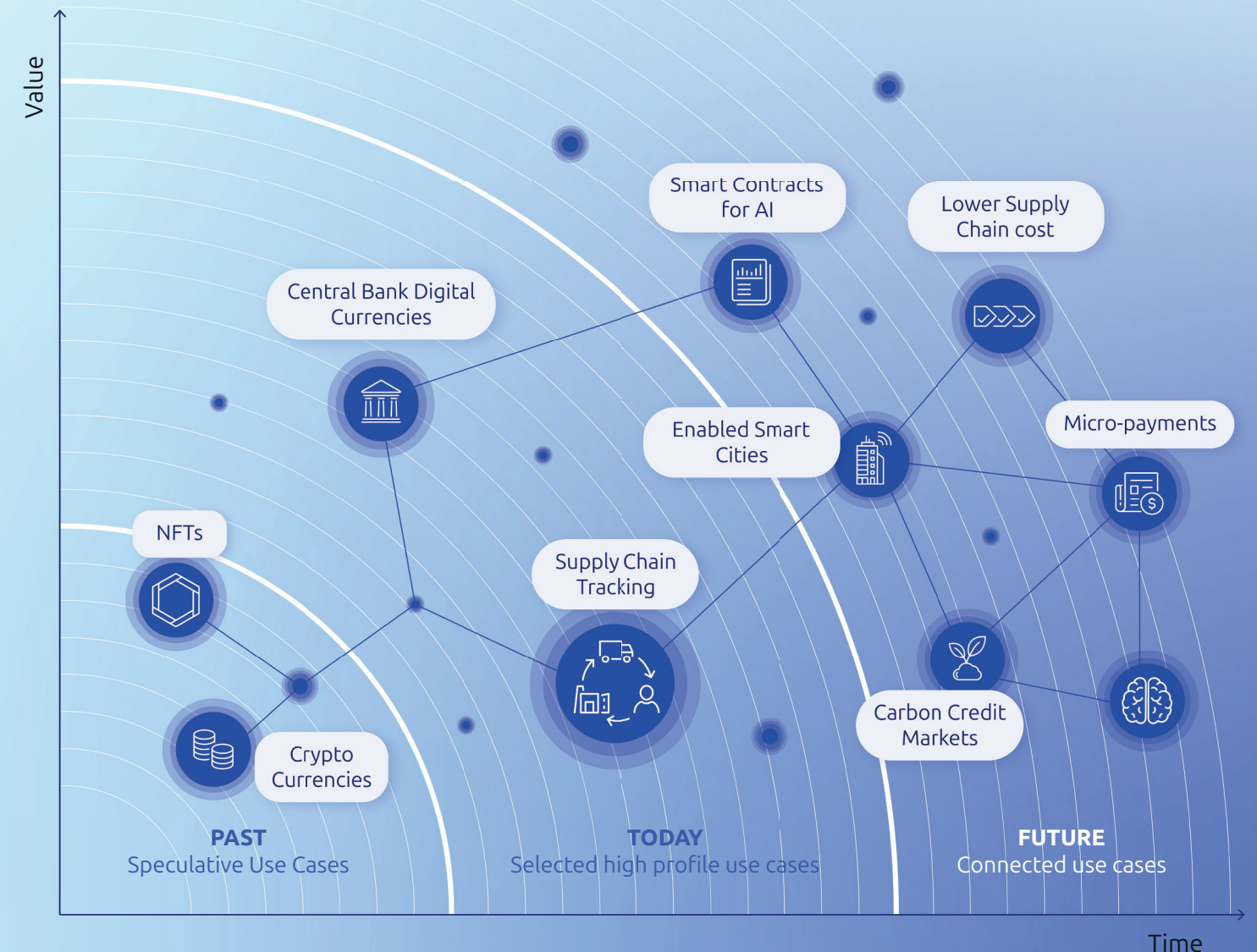
Visual 6 *A new horizon of enterprise applications*

6 Contacts

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CoFounder & Executive Chairman at nChain Group

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experience in tech*

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*Experienced CTO/CIO specialising in blockchain,
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management, entrepreneur, and thought leader*

James Marchant

Deputy CEO and CCO at nChain Group

*Executive chairman, serial founder, start-up mentor
and angel investor*

Christine Leong

CIO at nChain Group

*Experienced tech innovation executive and expert in
Digital Identity*

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