



QUARTZ TAKES OFF

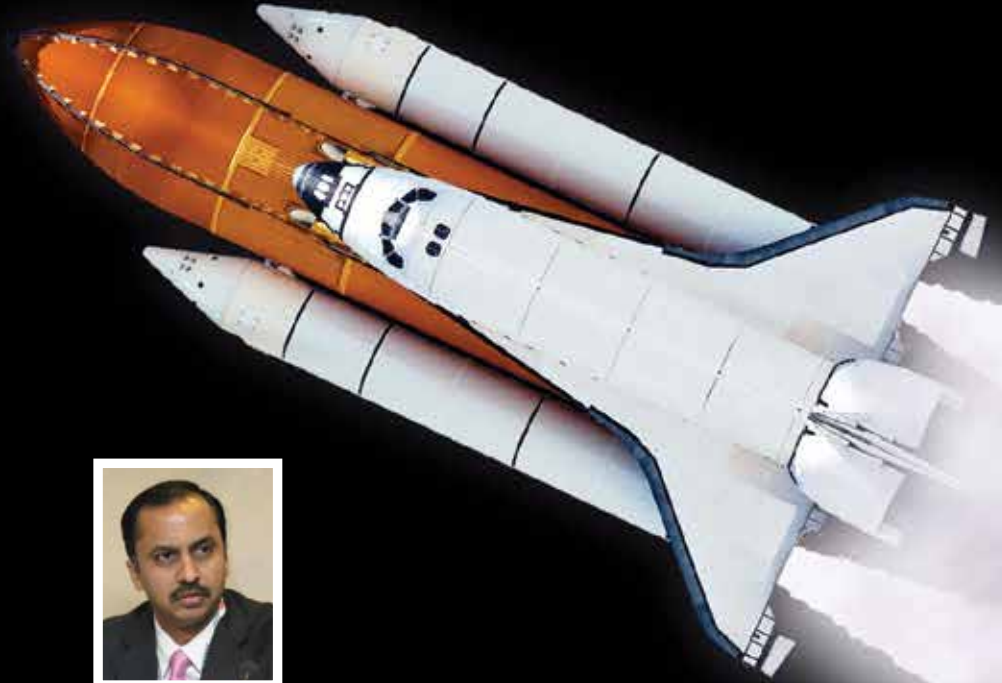
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At Quartz, we already have many clients going into production with blockchain initiatives. These are not pilot projects or experiments, but rather point solutions that are filling white spaces in the business, changing the way business is done today.

In our own experience working with customers, we are enabling enterprises to connect blockchain solutions into existing business processes alongside new cross-industry value chains, and even in the intersection between industries. The compelling business benefits will become more and more visible in the next three years, as blockchain or DLT takes its place as a foundational technology.



R Vivekanand,
Head – TCS Financial Solutions,
Global Head – Quartz



Recent go-lives

We went live on Azure cloud with a renewable energy certificate (REC) platform deployed on blockchain and integrated with IoT for tracking energy generated on solar panels. Customers can buy and sell RECs from multiple sources to help them meet their green energy commitments.

The solution includes real-time updates, tamper-proof records with “secure by design” data encryption, and complete lifecycle traceability of RECs.

In July 2021, we went live with the Interbank Ledger solution from Quartz, enabling several branches of a leading private bank in India to perform interbank

borrowing transactions with 25-30 counterparty banks across the globe. With its unique combination of off-chain and on-chain services, Quartz provides seamless integration with the existing systems of the bank, with DLT simplifying operational aspects of asset sharing, compliance approvals, and lender query resolutions. The solution will lead to faster deal finalization, greater transparency, complete traceability of transactions throughout the borrowing lifecycle, instant updates on the blockchain ledger, and ensure a tamperproof record of communication with all stakeholders.

Payment by Proxy

BankservAfrica, a South African payment infrastructure provider, is deploying the Proxy Resolution solution from Quartz along with the introduction of a next-generation, easy-to-use, real-time payment system.

The Pay-by-Proxy functionality will enable end customers to make payments using a proxy alias such as a mobile number. Behind the scenes, proxy resolution services will obtain bank account details and initiate payments using a request-to-pay mechanism. The decentralized, distributed architecture of Quartz supports these capabilities with a secure, real-time, and scalable solution for retail payments that ensures data privacy and confidentiality of critical personal financial information.

Digital Guarantees

This Quartz solution is deployed on an on-demand platform model and will connect individuals, corporates, and government entities to support a fully digitized lifecycle for bank guarantees. Moving away from paper-based processes, hyper-automation will eliminate operational inefficiencies by enabling instant updates on the status of each digital guarantee and ensure non-repudiation through an immutable audit trail of transactions on blockchain.

Contract performance monitoring

Quartz will enable the monitoring of contract performance between a major European pharmaceutical company and its vendors. The blockchain-based solution will enable automation of invoice processing and payment instructions and will generate real-time notifications to stakeholders. Immutable information on the ledgers eliminates the need for reconciliation between the contracting parties, thus delivering significant operational savings.



Crypto-custody services

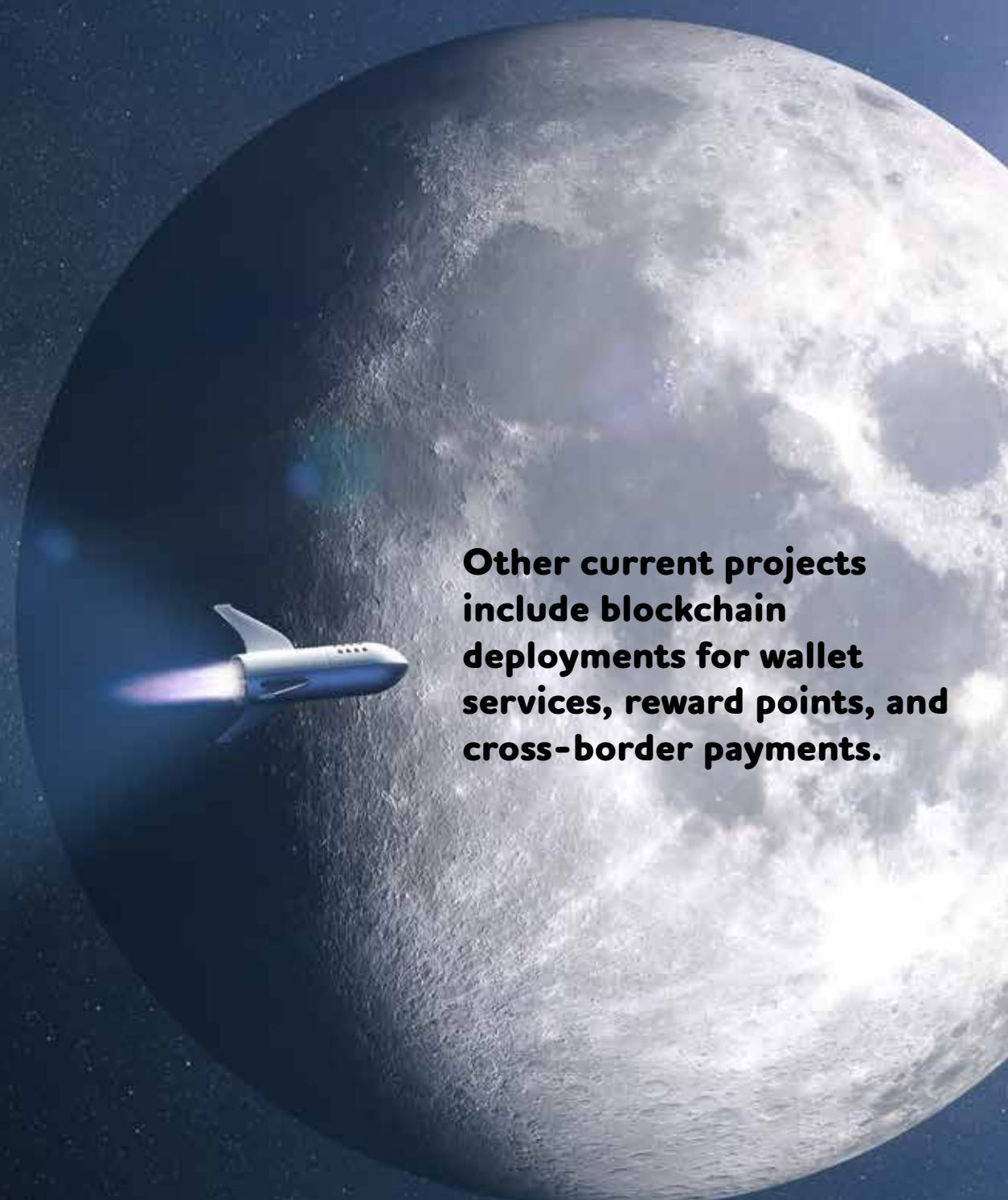
An end-to-end, integrated, and secure crypto-custody and transaction processing solution for banks and financial institutions will enable banks and financial institutions to offer portfolio diversification to investors. The solution enables the purchase, sale, and secure custody of popular cryptocurrencies and digital assets, with ready integration with multiple public blockchains including Bitcoin, Ethereum, Ripple, Bitcoin Cash, and many others.

Issuance

Bond issuance on blockchain will ensure a single source of truth for various stakeholders including debenture trustees, valuation firms, and exchanges. The solution, based on Quartz for Markets, reduces duplication of information across different systems, eliminating double counting of underlying collateral along with the need to reconcile information across participants. This significantly reduces risk, promotes higher transparency, and automates current business processes throughout the issuance process.

Future projects

That's just the start of what we are planning. Other solutions that we are creating include Tokenization (including NFTs), Central Bank Digital Currencies (CBDCs), Digital Identity, Supply chain, Trade Finance, and Provenance.



Other current projects include blockchain deployments for wallet services, reward points, and cross-border payments.

One of the primary accelerators of blockchain adoption will be the availability of Blockchain as a Service models. As an extension of Software-as-a-Service (SaaS) models, BaaS will allow customers to leverage cloud-based solutions to build, host, and operate their own blockchain apps. BaaS will help customers with faster application development, lower maintenance costs, and faster adoption of blockchain technologies.

With BaaS, the biggest challenge in the post-Covid economy will not be technology, but rather interoperability and compatibility. That's why we built Quartz on the core principles of coexistence, integration, and interoperability, so that organizations can quickly and easily connect their existing systems with multiple blockchain platforms and messaging networks.

Given the fast growth rate and transformative potential of blockchain technology, organizations in virtually every industry will need to assess emerging blockchain ecosystems, measure their potential impact on legacy business models, and take decisive steps to adapt. Beyond deployments within industries, blockchain also enables the creation of solutions that span across industries. As a decentralized technology, blockchain is the perfect fit for cross-industry applications where it would be difficult to coordinate participation and management for vastly different entities.

We have built Quartz to simplify the technology aspect of this ongoing cross-industry transformation, delivering the operational flexibility to meet enterprise needs. No matter how your customers and business partners seek to connect within and across industries with a wide variety of blockchain platforms, cryptocurrencies, NFTs, or smart contracts, you'll be more than ready to respond.

At Quartz, we're excited about our customers' ongoing and future blockchain projects, and we look forward to facilitating enterprise transformations throughout the blockchain economy.



Listen: 

QuartzCast: The Essential Podcast for Blockchain and DLT in Business **Moving Towards a Token Economy with Quartz**

Malini Raman, Product Head, Quartz describes tokenization using distributed ledger technology. With scenarios in real estate, art, luxury goods, energy and utilities, tokenization promises to democratize access to a world of investment options. Issuers will improve liquidity through a broader investor base with low issuing costs, and investors will benefit from diversification, fractional ownership, and instant settlement.

<https://www.tcs.com/bancs/quartzcast-moving-towards-token-economy-with-quartz>