

A low-angle, upward-looking perspective of several modern skyscrapers with glass facades. The image is heavily filtered with a blue color and has a subtle cloud pattern overlay. The perspective creates a sense of height and architectural grandeur.

HashNET - Covid19 Pass

Blockchain solution helping overcome disruptions



About Us

HashNET – Blockchain 4.0

Next generation Distributed Ledger
Technology with support of up to
100.000 transactions per second

Problem

- Serious disruption of social and business processes, caused by COVID-19 outbreak
- Lack of digital tools that can speed up the process and provide required security level
- Lack of system interoperability between involved parties



Solution - C-19 Pass

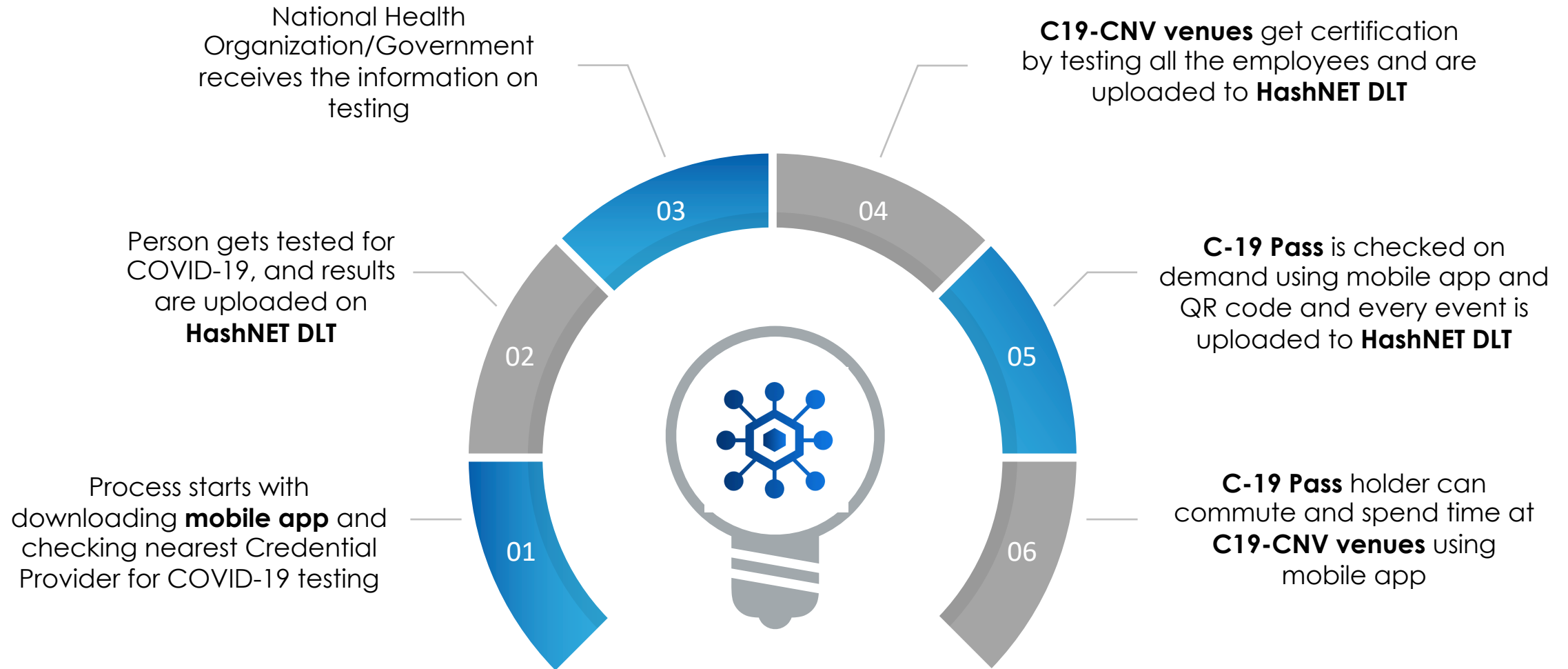
- **Digital Pass** valid for 14 days
- Shows that holder tested negative for the virus and can commute and visit C19-CNV certified venues
- C19-CNV certificate – issued for venues where all employees and suppliers tested negative and valid for 14 days



Solution Components

- **C-19 Pass** – Digital Pass valid for 14 days
- **C-19 Pass Owner** – Someone who wants to visit C19CNV venues
- **C19-CNV venues** – business and government services (hotels, airlines and airports, restaurants, shops, offices, sports venues, etc).
- **Credential Provider(s)** – Certification bodies such as licensed public and private testing centers
- **Credential Medium(s)** – Smartphone app with QR codes and scanner at C19CNV venues

Step by Step Process



Blockchain Network

HashNET blockchain network is used to:

- Provide an immutable context for the data being saved
- Leveraging smart contracts ensure that role & access distribution is a transparent, safe & secure
- Enable high frequency of data being shared and stored.



HashNET

A Transaction SuperHighway:

- Scalable – 100.000 Transactions per second
- 100% secure – based on Proof-of-Stake consensus and masternodes
- Fast – does not require miners to create a chain of blocks in order to record transactions – recording occurs as soon as transaction takes place



Security

- Data tempering – power of blockchain
- Data security – use of Smart Contract for data access on need-to-know basis
- Network security – use of layered distributed ledgers interconnected together for data integrity



Privacy

- Use of public and private keys
- Public network used by mobile app is fully anonymized
- C-19 Pass holders giving consent for personal data usage (KYC) at certified centers during testing
- Layered distributed ledgers approach





Thank You!

Mario Vojvoda, CIO
Mario.vojvoda@tolar.io