



# SMART CITIES

FEBRUARY 2020

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### *A Kinesis Case Study*

Furthering our global mission to provide a fair economic system for all, Kinesis is partnered with P3 Smart Cities, a company guiding local governments through the revolutionary transition into a smart city: a city of the future. Kinesis assists governments through the digital evolution of a city's financial infrastructure, embedding technology of immense value, instant efficiency and high profitability within government operations.

P3 Smart Cities form innovative public-private partnerships with governments at all levels, and oversee the integration of highly-synchronised technologies. A P3 Smart city ecosystem runs on data-driven infrastructure, which connects all elements of a city with intuitive and reactive technologies, installing value and efficiency at every level of city management.



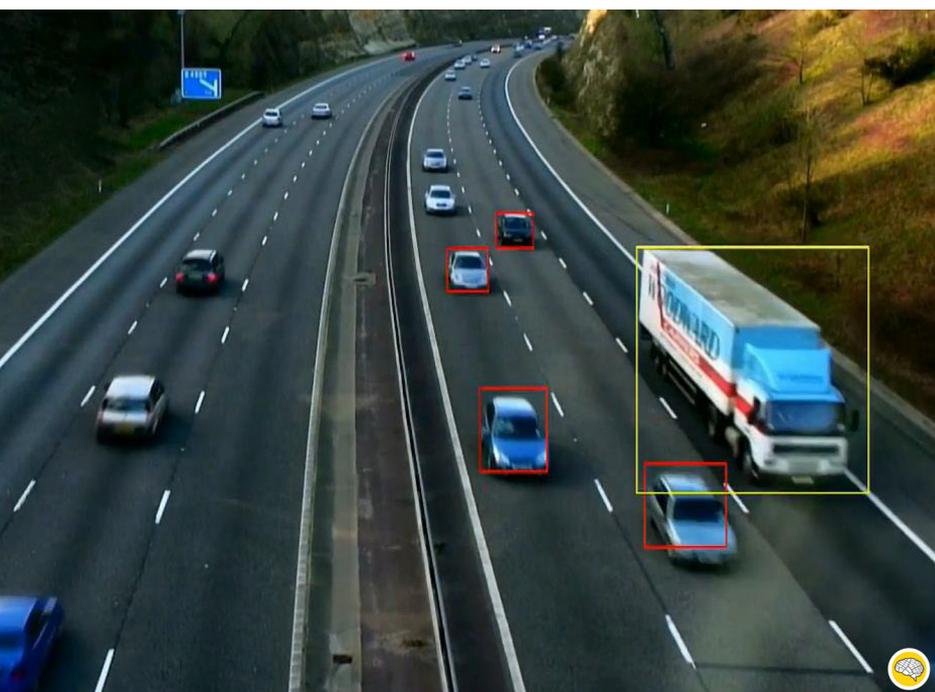
A city of the future demands an economic system that delivers the same immediate efficiency and technologically-driven value, which powers every harmonized element of a P3 Smart Cities ecosystem. The Kinesis monetary system provides the efficient, cost-effective and robust financial infrastructure at the core of each P3 Smart Cities technological transformation, where data is currency.

Kinesis financial infrastructure unites the separate, coexisting entities of a city's economy into one thriving, interconnected digitalised ecosystem. A unique application of blockchain technology, seamlessly linking every government department, business and citizen, as a part of a single low-cost, profitable and hyper-effective economic railroad. Kinesis revolutionary technology builds a universally beneficial economy, where everyday engagement is rewarded with a unique profitability distributed among all participants. The innovative financial technology of Kinesis unlocks a new form of value, efficiency and connectivity in a city's economy; delivering the robust, progressive financial infrastructure integral to the future of every P3 Smart City.

P3 Smart Cities are at the cutting edge of municipal innovation, communications and information. An industry pioneer developing and utilising technology that brings real value, enhances the liveability of the city and spurs economic development.

## EXAMPLES OF P3 SMART CITY INNOVATIONS

- Local, on-demand, personal and carbon-free inner-city air travel, providing fast, quiet, comfortable transportation over crowded urban landscapes.
- Waste management sensors that allow sanitation workers to maximise the efficiency of their routes.
- Roadside cameras that automatically detect road accidents, and reduce immediate danger and automatically gather data to prevent and predict future accidents.



## Data as Currency

Partnering with P3 Smart Cities opens a government up to an unlimited source of the currency of the future: data. The global emergence of the value of big data has drawn comparisons with the oil boom, earning data the title 'black gold'. With each second that passes, a wealth of 'black gold' is mined from the synchronised technologies across a P3 Smart City network. The invaluable insight drawn from a network of ever-accumulating data sets, holds the potential to revolutionize city governance on a



global scale. It is the 'Black gold' produced, stored and refined within P3 Smart Cities projects, which will power the advancement of future governmental operations.

The immense value of the data gathered, entrusts Smart Cities with a data management responsibility, akin to the money management responsibility of a bank. A responsibility all the more evident in a data privacy landscape, still reeling from the shocking revelations of the Cambridge Analytica scandal. Data is the currency of the future, and the custodian of that data, operates as the bank of the future.

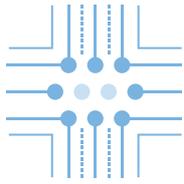
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## The Combined Approach

Kinesis financial technologies drive an infrastructural reinvention of a city's economy, while P3 Smart Cities oversees a data-driven redesign of a city's technological architecture. A Kinesis ecosystem delivers value and efficiency at scale for every government department, business and citizen. The inflow of data analysed from a P3 Smart Cities system is applied to maximize the value and efficiency of every governmental service, in an continuous process of enhancement.

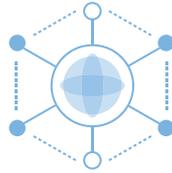
The combined transformative strategy of Kinesis and P3 Smart Cities, positions the partnership to implement profound changes to the structure of a city's economy and governmental operations. The Kinesis ecosystem provides the ideal economic conditions, in which a P3 Smart City, a city of the future, flourishes.

With the global smart city market estimated to increase five-fold to 3.5 trillion by 2026, P3 Smart Cities and Kinesis are at the forefront of a burgeoning market. A sector experiencing growth that keeps pace with the exponential rate of technological invention.



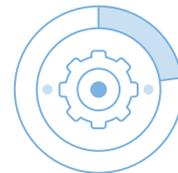
**2.33bn**

estimated numbers of connected things installed within smart cities in 2017 up from 1.64 billion last year - [Gartner](#)



**\$3.5trn**

estimated size of the global smart city market by 2026, a five-fold increase from today - [Persistence Market Research](#)



**33%**

estimated annual growth in the size of the smart infrastructure market; the largest segment of smart city solutions - between 2016 and 2020 - [Technavio](#)

## Blockchain Technology

P3 Smart Cities and Kinesis are united in their recognition and implementation of the transformative powers of blockchain technologies. Kinesis' unique blockchain provides the efficient and secure economic railroad for transacting payments services, internally and externally. Kinesis facilitates the instant, low-cost payment provision, crucial to the governmental operational efficiency of any P3 Smart City solution. The proven flexibility and scalability of the Kinesis monetary system are key components in developing a new, revolutionary economy, the backbone of a vibrant smart city.



## Improving Government Services

Central to P3 Smart Cities all-encompassing enhancement of governmental services, Kinesis integrates its financial infrastructure and fast, low-cost payments solutions. Kinesis payment infrastructure impacts the speed and cost of all government transactions, advancing the day to day efficiency and cost-effectiveness of government operations.

Typically, governments currently rely on bank transfers, which are operational relics of outdated financial infrastructure. Kinesis payments clear in 2-3 seconds, a pace befitting of a smart city. Kinesis lowers the internal and external transactions costs, charging a flat fee of 0.45%

As part of P3 Smart Cities outline of integrated governance, Kinesis increases efficiencies and savings, when internally distributing funds among the cities integrated services or paying staff and contractors externally. The Kinesis monetary system opens up new revenue streams to governments that power their payroll through Kinesis. Governments receive a recurring, passive income from a 7.5% share of the transaction fees of every employee referred, for life.



On a larger scale, governments can introduce the entire city population to the Kinesis system, earning a yield based on the financial activity of every participating citizen. However, governments do not only stand to profit from the transactions occurring within their own city walls. Due to the innovative, borderless technology of the Kinesis yield-sharing model, governments derive a yield from the transactional volume of every participating city across the globe.



## Experience

Kinesis brings invaluable experience of integrating and partnering with national government services to the P3 Smart Cities mission to advance services at a municipal level. Kinesis formed a successful public-private partnership with the Indonesian government; embedding a nationwide payment and savings infrastructure within the state-run postal service, PT POS, the third-largest postal service in the world. A fruitful long term partnership demonstrating Kinesis' capacity to form close relationships with governments; experience that could prove advantageous for future P3 Smart Cities projects. The seamless national integration with government services confirms the impressive scale Kinesis payments infrastructure can support within an industrialised economy.



The P3 Smart Cities and Kinesis present a futuristic vision of a new kind of city. A city where a surge of data enhances every government department and the city's economy operates on the blockchain. However, what distinguishes this vision from the content of science fiction is the meticulous integrated approach P3 Smart Cities and Kinesis apply to make this technological and economic progress a reality. A tested blueprint to revolutionise the urban and financial landscape of any city, creating a true smart city. A city of the future, today.

