



UNCOVER THE UNKNOWN

Clear. Confident. Action

Mark Gazit
April 2019

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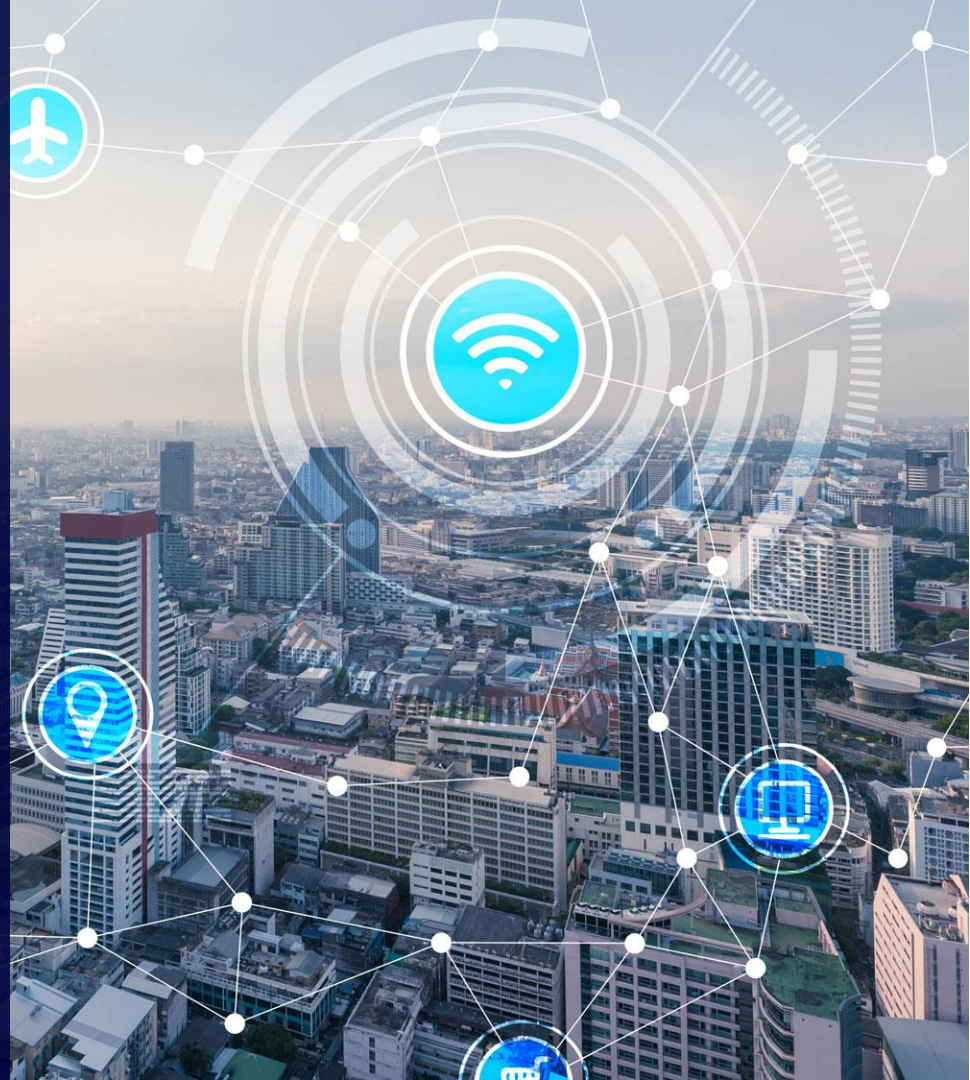
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The amount of data is endless

By 2020 there will be
4.3 connected devices
for every person on the planet

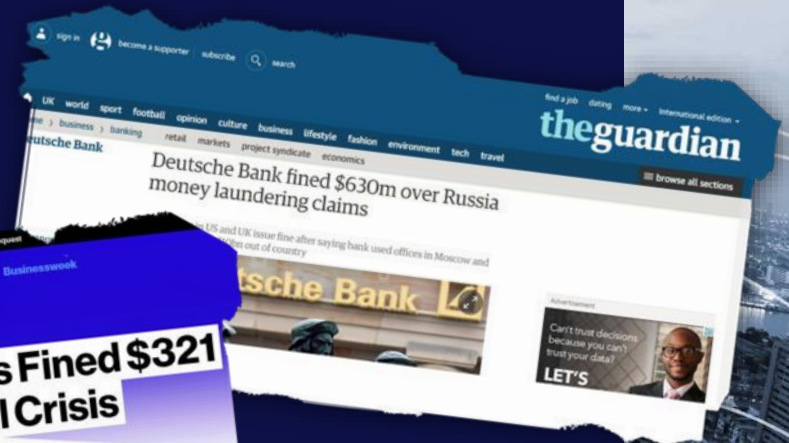




Every two days we create as much information
as was created

From the beginning
of time until 2003

By 2020, approximately 26 billion objects
will be linked together in the internet.



World's Biggest Banks Fined \$321 Billion Since Financial Crisis



The world of financial crime has changed forever

1. Banks are losing money at unprecedented rates
2. Cyber crime and money laundering are flourishing
3. Fraud losses exceeded \$16 billion in 2017
4. Already in 2018 we have seen large fines and criminal prosecutions



“

The World Bank and International Monetary Fund have estimated the volume of Money Laundering to be between 3% and 5% of world GDP, approximately \$2.2– \$3.7 Trillion annually.

”



Market Pains

1

Global openness
& consistency

2

Complexity of
big data

3

Cost & efficiency

4

Transformation

5

Criminal sophistication &
innovation

6

Digital & connected
channels



New World of Financial Crime



Cryptocurrency



Money Laundering



ATM Fraud



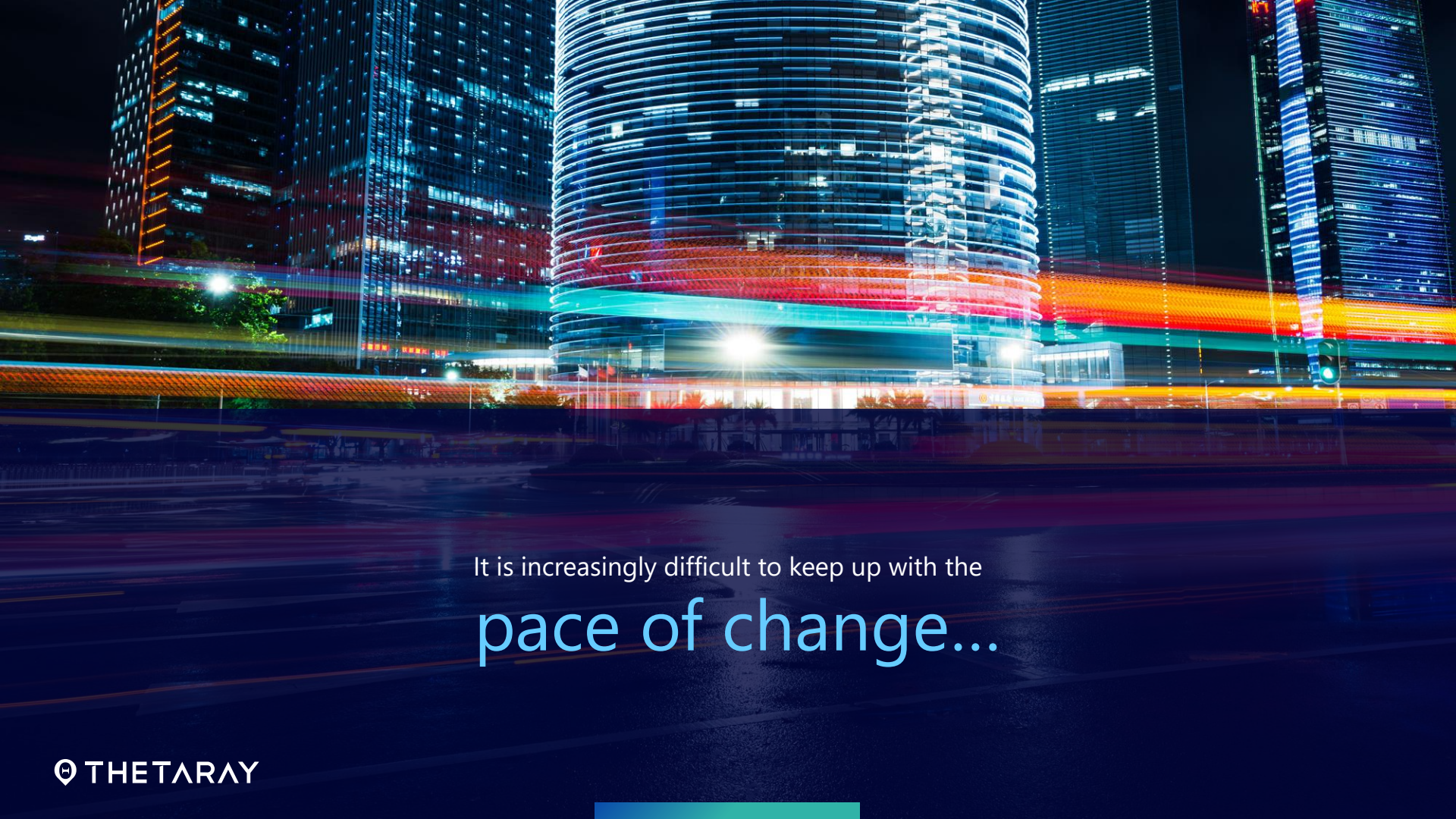
Online Fraud



Existing systems and traditional AI do not work anymore

1. Rules are only as good as the people that write them
2. Produces many false alarms
3. Can't detect the unknown
4. Signatures do not exist

The real threat is coming from where you don't expect it!

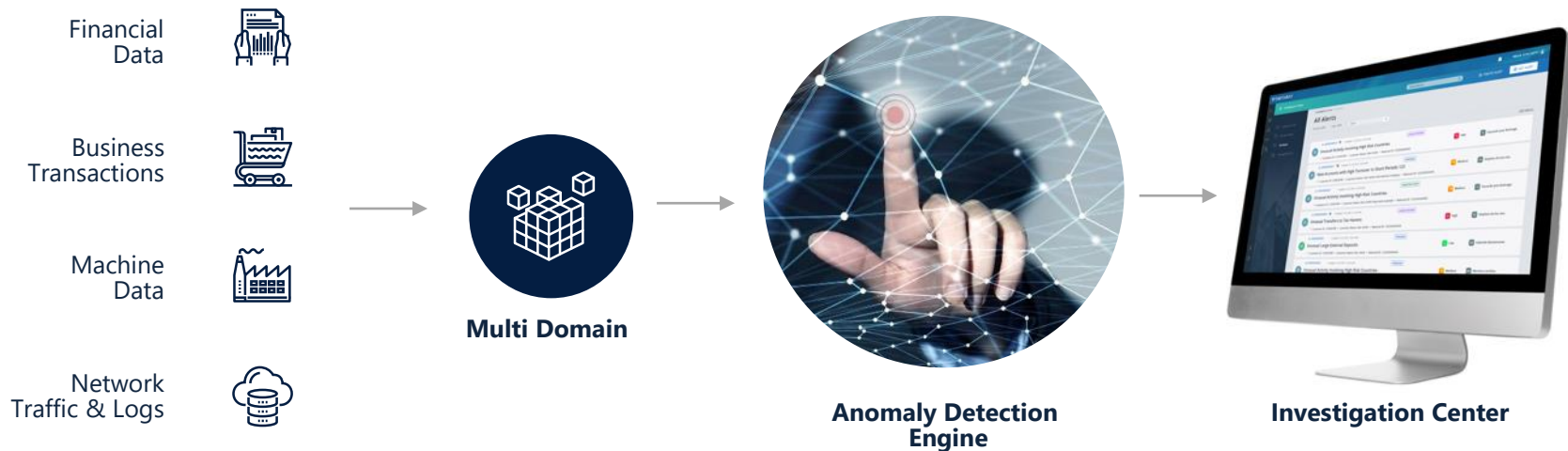


It is increasingly difficult to keep up with the
pace of change...

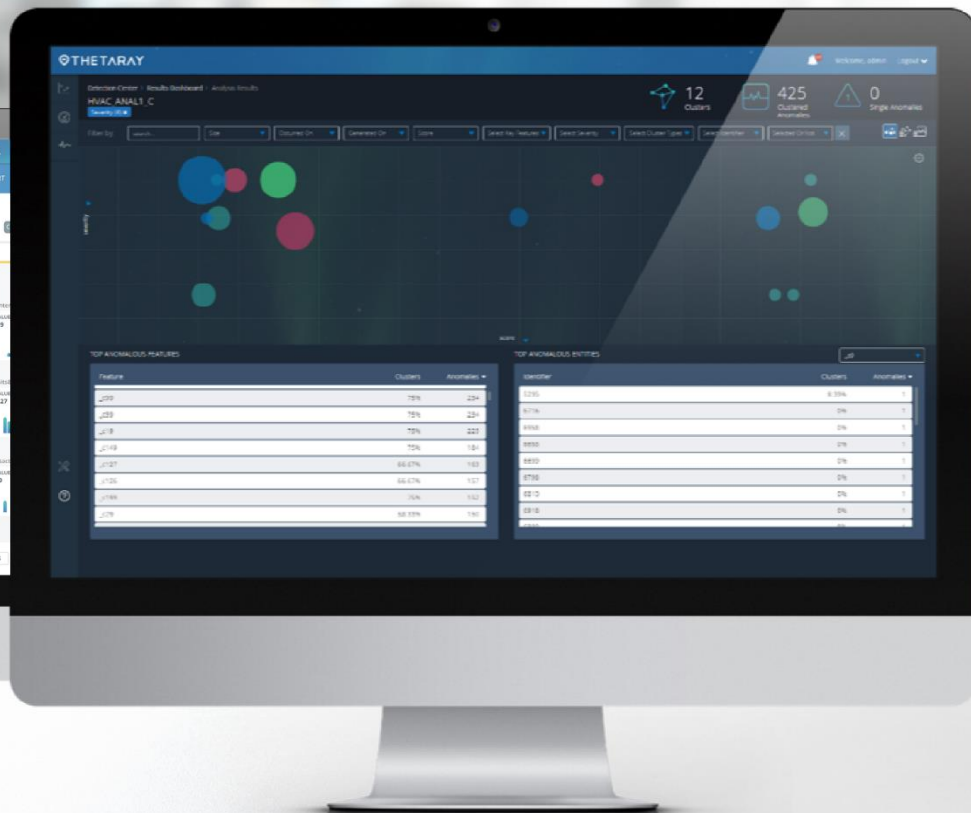
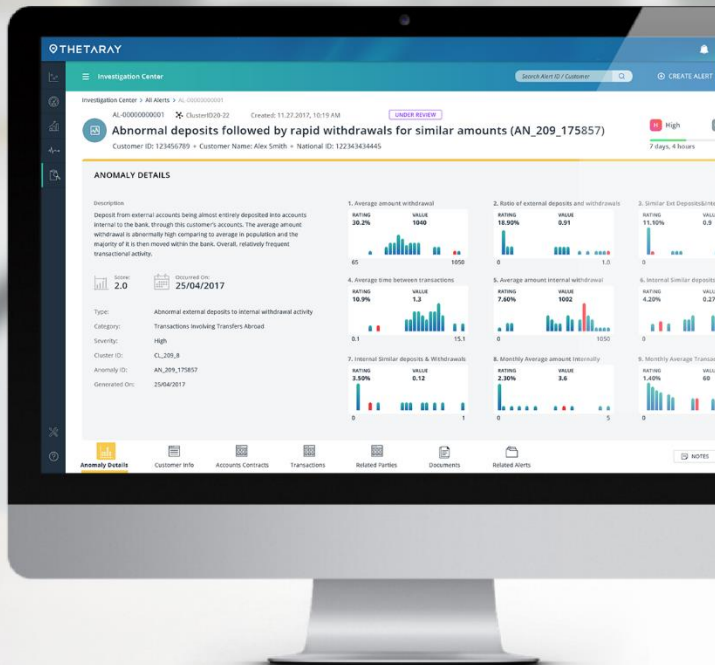


Sophistication of Attacks

ThetaRay Advanced Analytics Platform



Hyper-Dimensional, Multi-Domain, Big Data Analytics™



Connecting the Dots

1. Intuitive AI
2. Distinct form the traditional AI approach
3. Augmented unsupervised machine learning



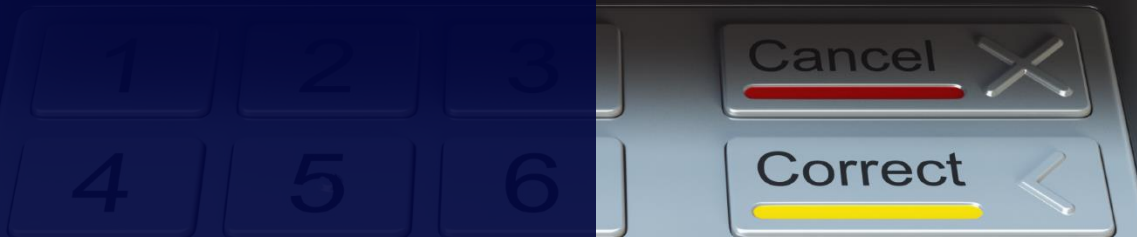
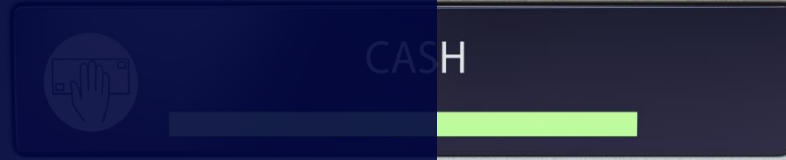
AML

1. Legacy tech-regulatory issues
2. 120k to 4.2k
3. 70 days earlier
4. Effective and efficient



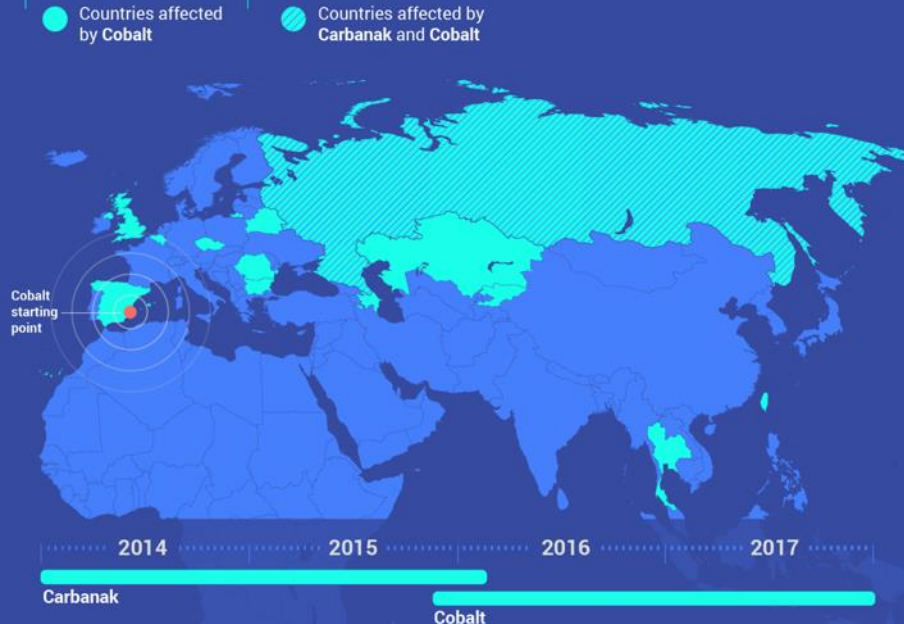
ATM

1. Connected devices
2. Almost impossible to detect using traditional tools
3. Over \$1B stolen
4. Effective and efficient detection using AI

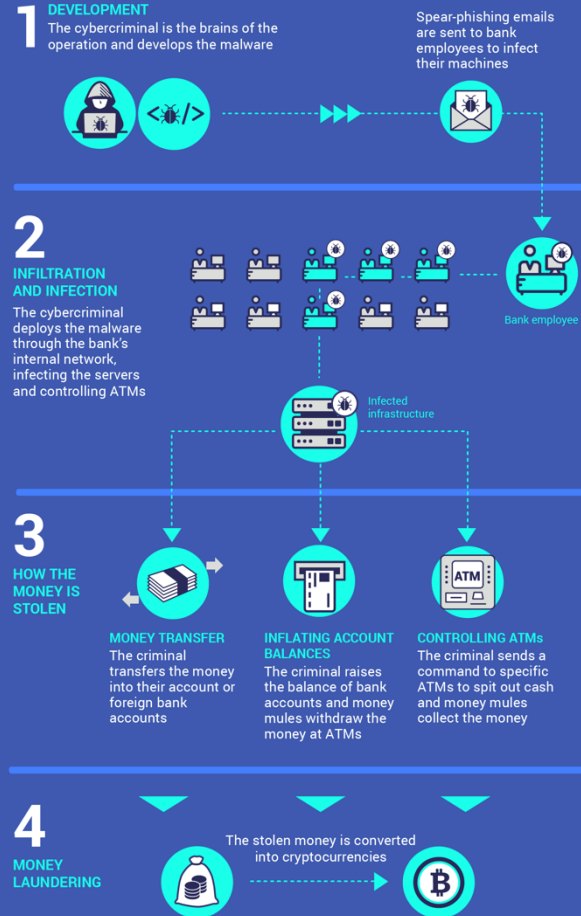


Carbanak / Cobalt

A global threat to financial institutions



How it works





Stay resilient with future proof technology

1

Unmatched detection
rates

2

Industry-low false
positive rates

3

Rule-free, unsupervised,
non-heuristic





This presentation brought to you by ThetaRay Ltd

THANK YOU



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An aerial night view of a city, likely New York City, showing a dense urban landscape with numerous skyscrapers and a complex highway interchange. A network of white, glowing arcs connects various points across the city, suggesting a global or digital network. The text "Questions & Answers" is overlaid in the center, with the ampersand in a light blue color and a small blue and green horizontal bar underneath it.

Questions & Answers