

CG



- What problems is blockchain being used to solve today?
- Benefits
- Challeges
- Our Workshop Model
- Top Five trends

© 2018 CGI Group Inc.

What is Blockchain used for?

















Benefits of Blockchain



- Increased Trust
- Reduction in risk due to validation by third party participant
- Decentralization of Ownership
- Single Source of Truth
- Immutable less susceptible to fraud
- Reduction in Auditing needs
- No need for trusted intermediary (reduction in cost)
- Accurate, timely, verified compliance
- Reduced Reconciliation

Why NOT Blockchain?

- Not a Technology Problem Anymore
- So, What is the problem?
 - Governance
 - Open to Decentralization
 - Possibility to accept a single source of truth
 - Businesses not willing to change their business models
 - Not willing to share control on data
 - Lack of understanding of the technology and ownership rights
 - Legal uncertainties
 - Lack of Go-To-Market Strategy



Overview of our Engagement Approach





We will lead the engagement with a parallel focus on: customers, the market, competition, comparative solutions, and the art of the possible with current and emerging technology.

Based on a shared baseline understanding, we will jointly ideate, develop and prioritize hypotheses for more detailed analysis. We will then analyze prioritized options to more deeply assess feasibility, roadmap and the financial cases along with technology, processes and other recommendations needed to realize the strategy.



Insights

- Kickoff
- Research
 - Market
 - Competitive
 - Comparative
- Interviews
- Surveys
- Current state
- Fit/gap analysis



Studio

- Vision setting
- Using insights collaboratively develop
- Opportunities
 - To-be state
 - Hypotheses & options
- Workshops focused on
 - Ideation
 - Prioritization
 - Visualization



Playbook

- Vision capture
- Recommend options, phasing, Minimum Viable Ecosystem (MVE) and validation approach
- Proposed high-level & next step roadmap
- Business case (financial and market)



CGI Supported Client Decisioning



Product Design 2

» Technical architecture

» Customer

experience

gn 'N' » Planning and budget



Product Design 'N'

CGI Confidential Confidential

but first, where is blockchain now?

According to Gartner,
Blockchain/DLT technology is
moving into the Trough of
Disillusionment.

Quantum Computing Connected Home Volumetric Displays Autonomous Driving Level 4 Self-Healing System Technology Conversational AI Platform expectations Mixed Reality Autonomous Driving Level 5 Edge Al Exoskeleton Neuromorphic Blockchain for Data Security Hardware Knowledge Graphs -4D Printing -Artificial General Intelligence Smart Fabrics Smart Dust / Augmented Reality Flying Autonomous Vehicles Biotech — Cultured or Artificial Tissue As of August 2018 Peak of Innovation Trough of Slope of Plateau of Inflated Enlightenment Trigger Disillusionment Productivity Expectations time Plateau will be reached:

O less than 2 years O 2 to 5 years 5 to 10 years A more than 10 years S obsolete before plateau

Deep Neural Nets (Deep Learning)

Carbon Nanotube

loT Platform

Blockchain

Virtual Assistants

Digital Twin Biochips

Smart Workspace

Smart Robots

Al PaaS

Brain-Computer Interface

Autonomous Mobile Robots

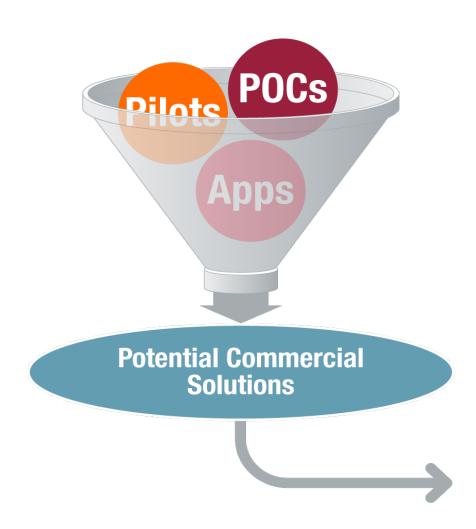
Deep Neural Network ASICs

Source: https://www.gartner.com/smarterwithgartner/top-trends-in-the-gartner-hype-cycle-for-emerging-technologies-2017/

@ 2018 Gartner, Inc.

CGI

#1 Moving toward Commercialization



Can do things other technologies cannot.....

CGI

#2 It is not just blockchain

- It is about:
 - Al
 - Robotics
 - IoT sensors
 - video devices
 - blockchain/DLT
 - Fog/edge computing
 - Etc...



CGI

#3 The standards are a-coming

New global and industry specific standards are developing:

- Standards will help increase adoption and proliferation of blockchain
- Ease and encourage chain of chains





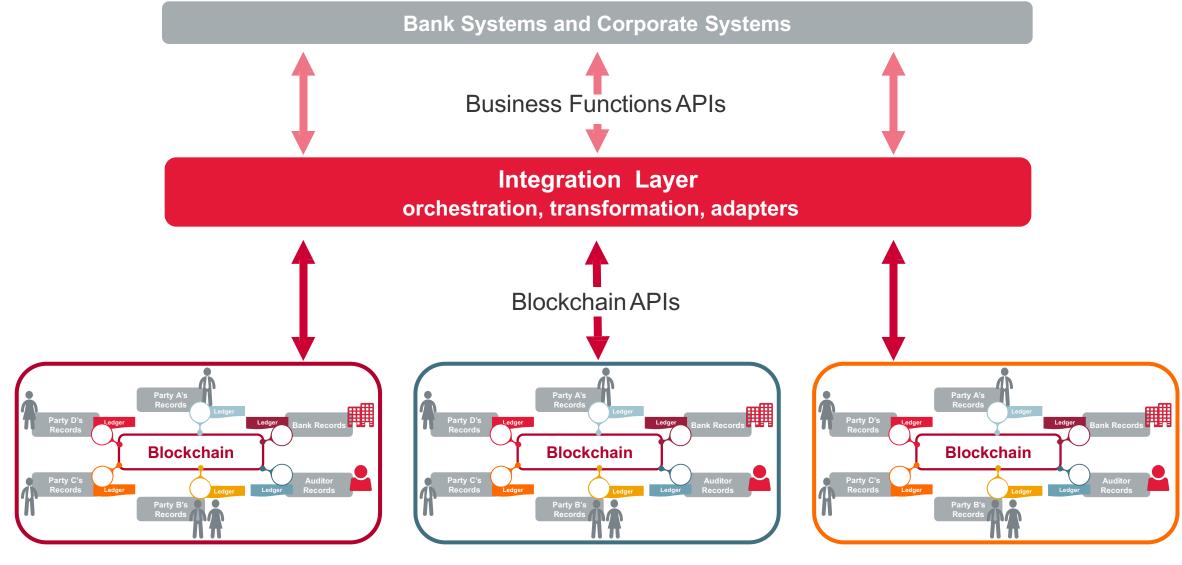






CGI

#4 The Chain of Chains



CGI

#5 The rise of smart networks



Bringing together networks of information, intelligence, and automation

Thank you





Venkat Kodumudi

Director – Blockchain and RPA – CGI Next US

Venkat.Kodumudi@cgi.com