

How Startup Ecosystems Accelerate Telcos' Transformation

A study in Hong Kong and Singapore Startup Ecosystems

10:45-12:00









- Telcos' value proposition in the Internet Value Chain
- A startup idea to accelerate the 5G business model
- Startup ecosystems and telcos' transformation
- Action plan in 2023-2025



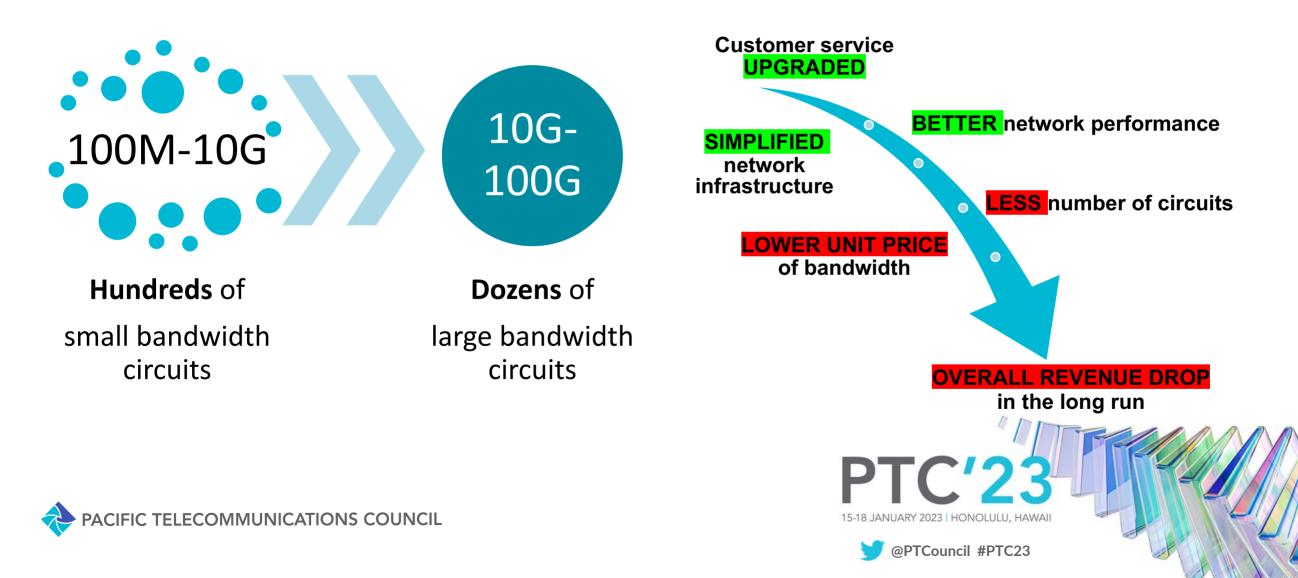


A wakeup call in 2017





A successful projectbut ... something went wrong

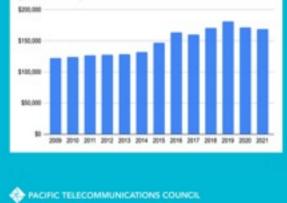


Value proposition

OTT players' CAGR: 26.7% and 20.1%



AT&T Annual Revenue (Millions of US) China Mobile (Millions of F

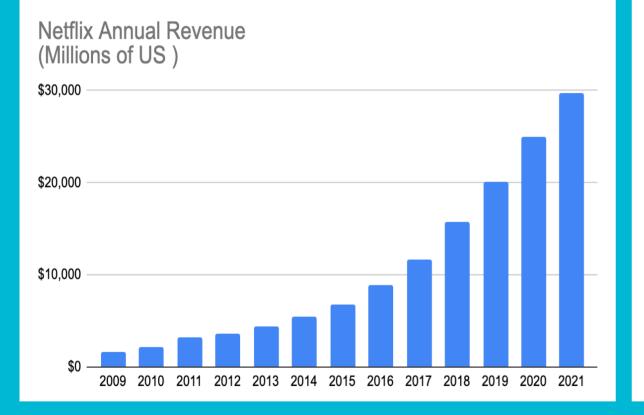








OTT players' CAGR: 26.7% and 20.1%



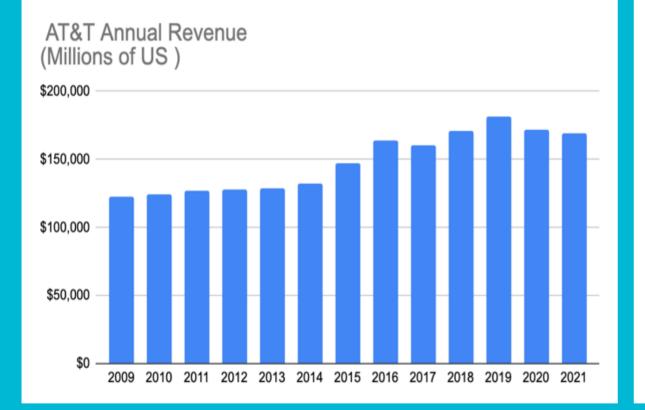
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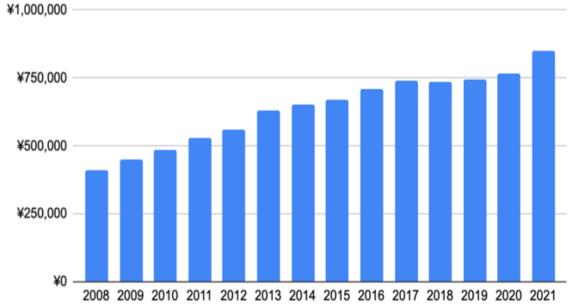
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Telcos' CAGR: 2.4% and 5.7%



China Mobile (Hong Kong) Annual Revenue (Millions of RMB)



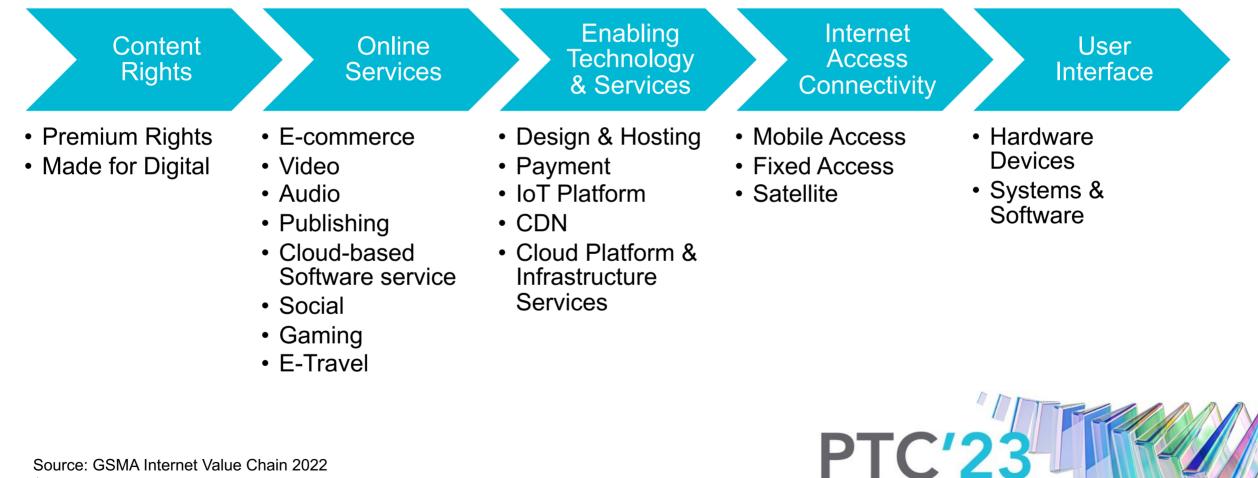
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Internet Value Chain Framework

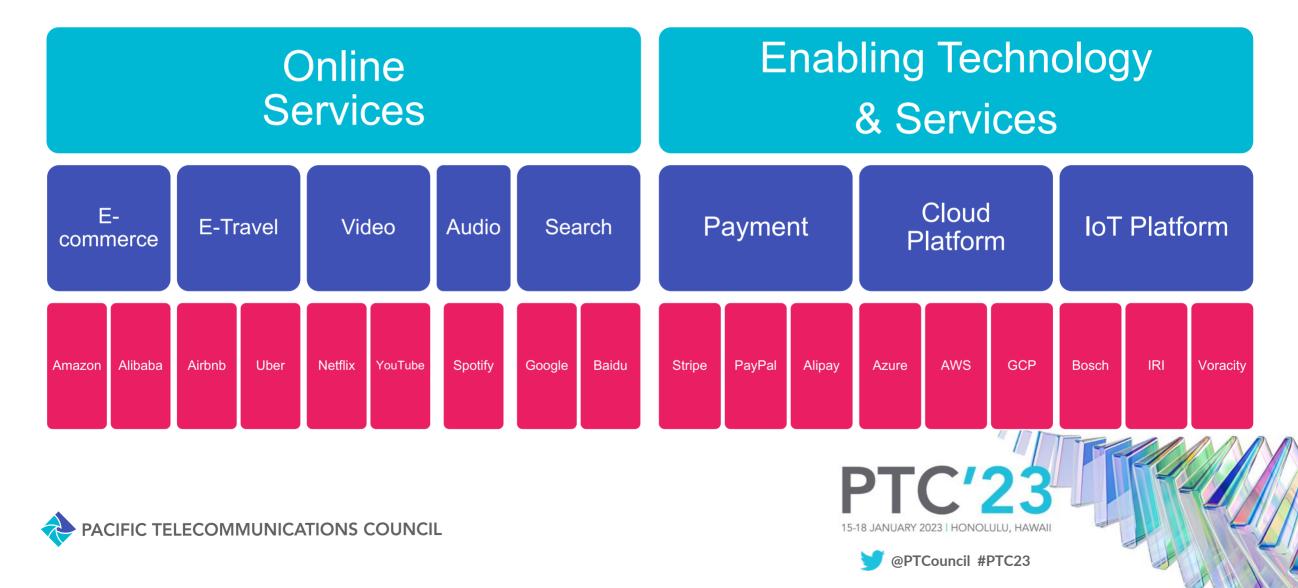


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Internet Value Chain Framework





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An ambitious idea in 2020





An inspiration from PTC'20





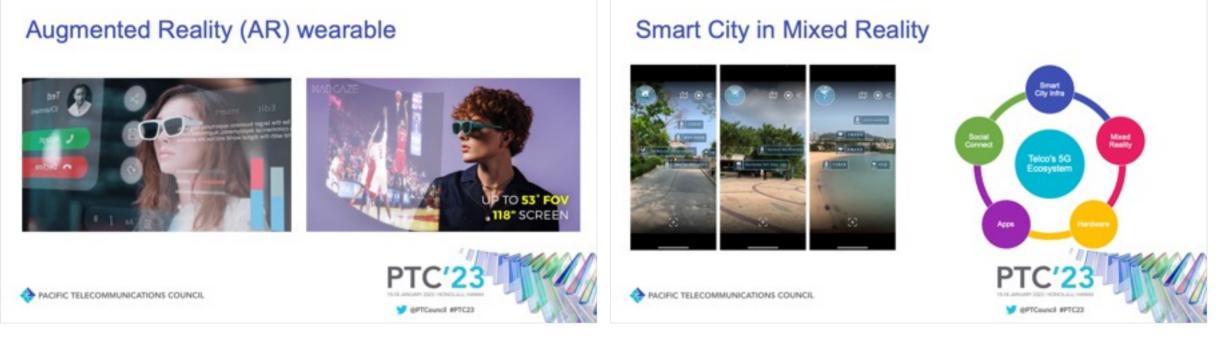




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Monetizing the 5G infrastructure





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Augmented Reality (AR) wearable



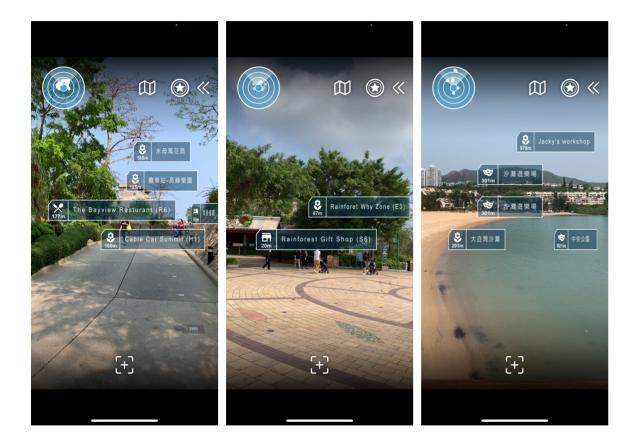




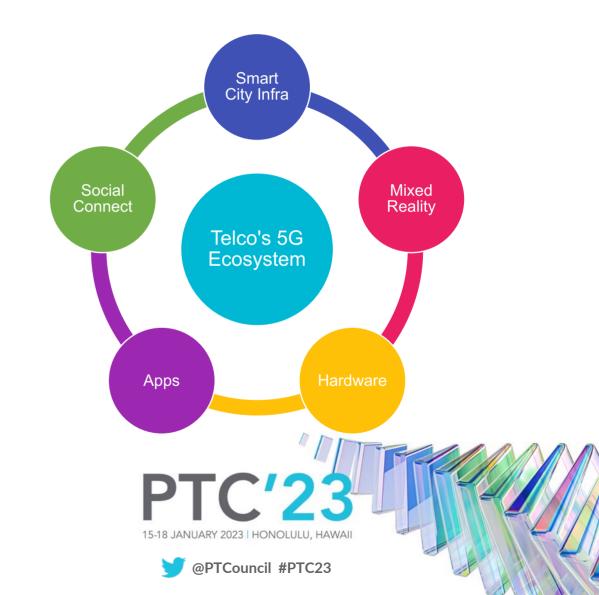




Smart City in Mixed Reality







Mission failed, yet Vision gained



IDEAS FROM THE PROJECTS

It's not a choice between standardization and customization but an **INTEGRATION OF BOTH**.

IMPRESSION FOR THE TELCOS

To monetize the 5G business, it requires **NEW BUSINESS MODEL** rather than **5G CELL SITES**.

LESSON FOR THE START-UPS

To fulfil the needs of the telcos, it requires a **START-UP ECOSYSTEM** rather than a **STARTUP**.







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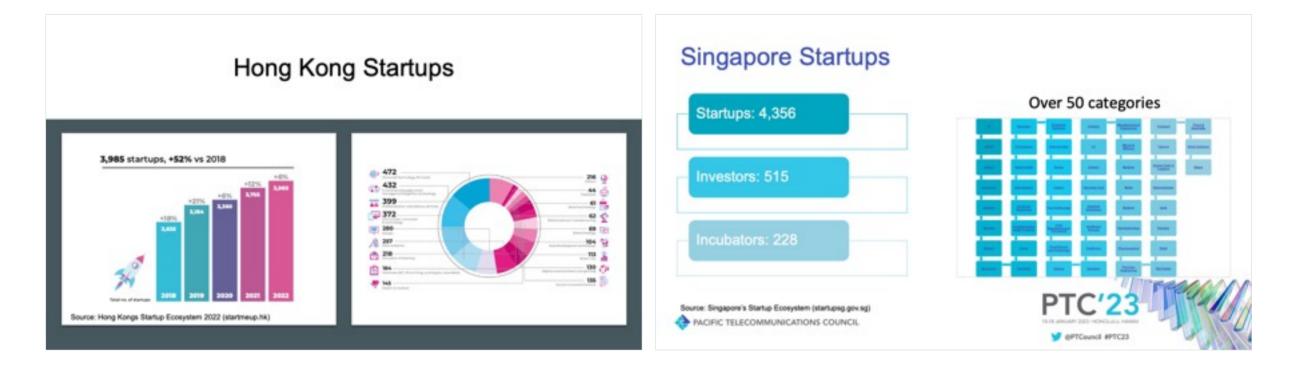


An initiate of emerging innovations in 2023



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Hong Kong and Singapore Startup Ecosystems





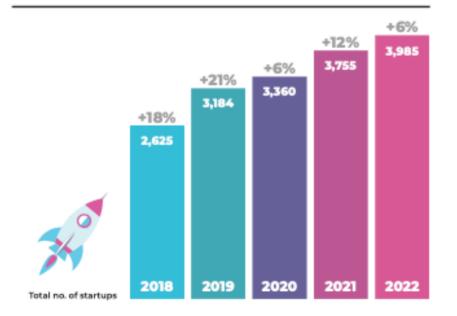
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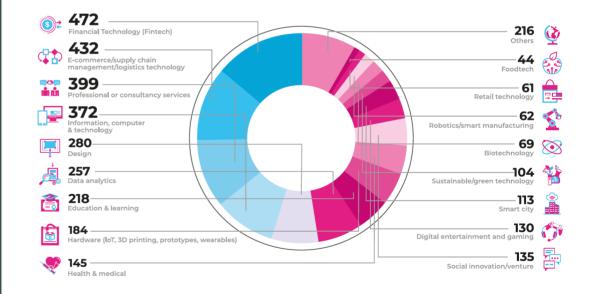


Hong Kong Startups





Source: Hong Kongs Startup Ecosystem 2022 (startmeup.hk)



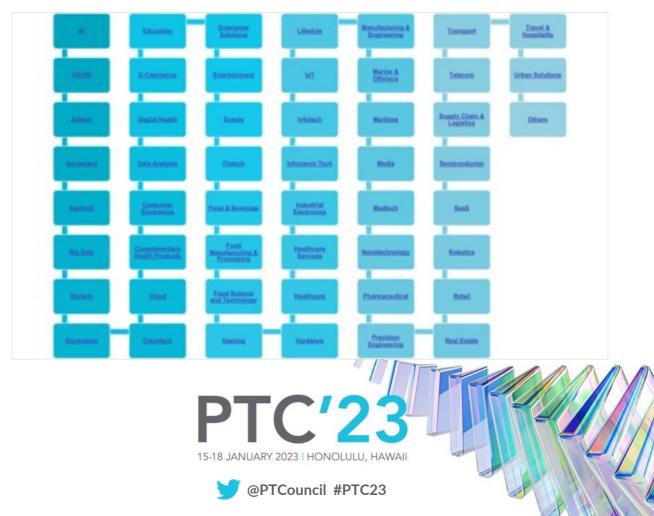
Singapore Startups

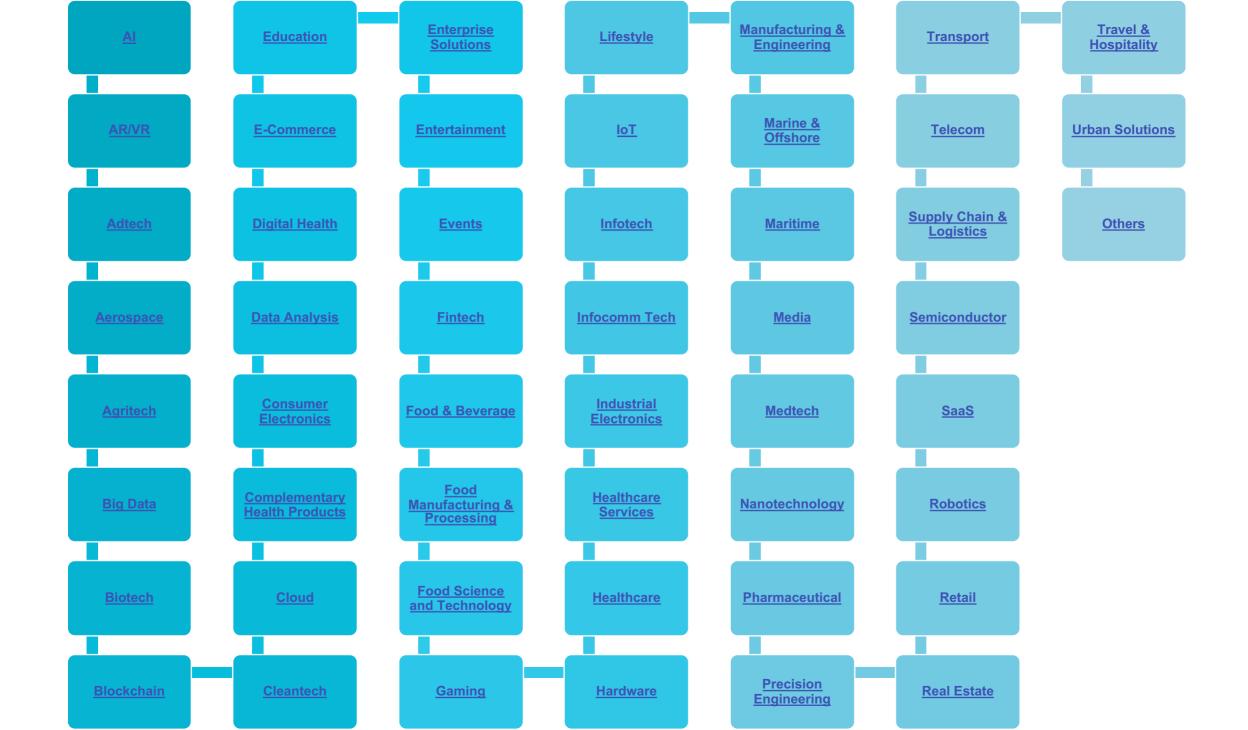


Source: Singapore's Startup Ecosystem (startupsg.gov.sg)

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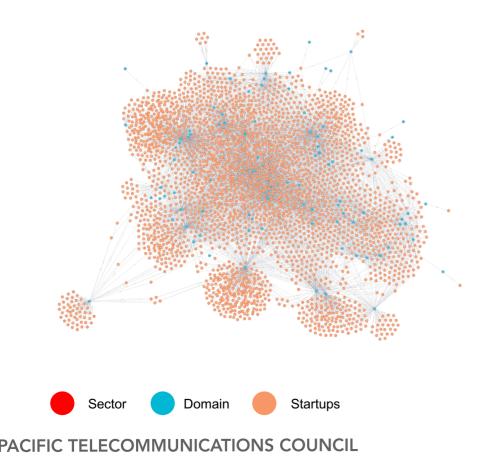
Over 50 categories



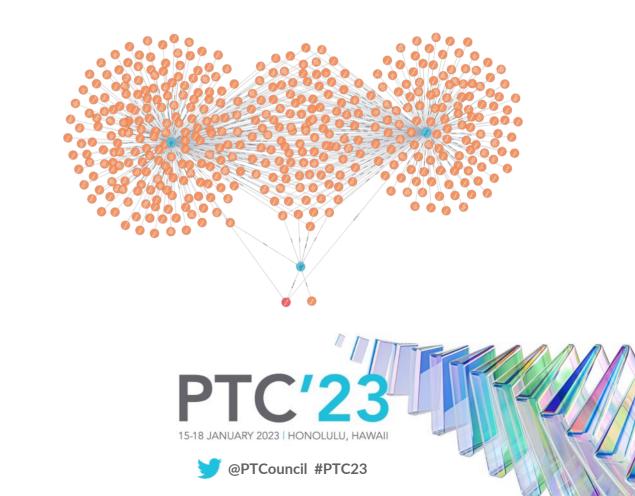


Overview of the Startup Ecosystem

• Data map of over 3,500 Startups



• Big Data (436 startups)

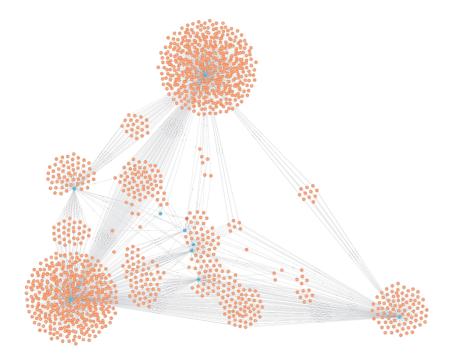


Capture the innovations from Startups

Emerging techs and Mega trends Startup Ecosystem Landscape Startups **Technologies** Investors Universities Incubators PTC C TELECOMMUNICATIONS COUNCIL 15-18 JANUARY 2023 HONOL @PTCouncil #PTC23

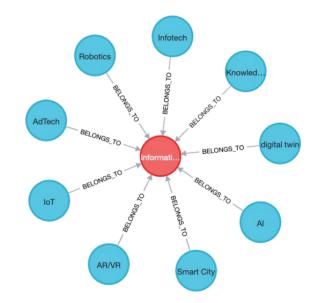
Visualization of the IT Sector

IT Sector Overview (1,401 startups)





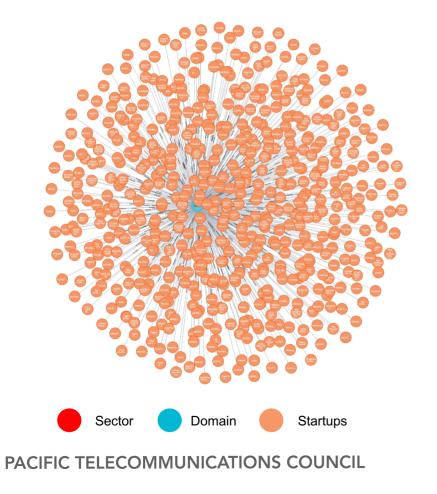
IT Sector and its 9 domains



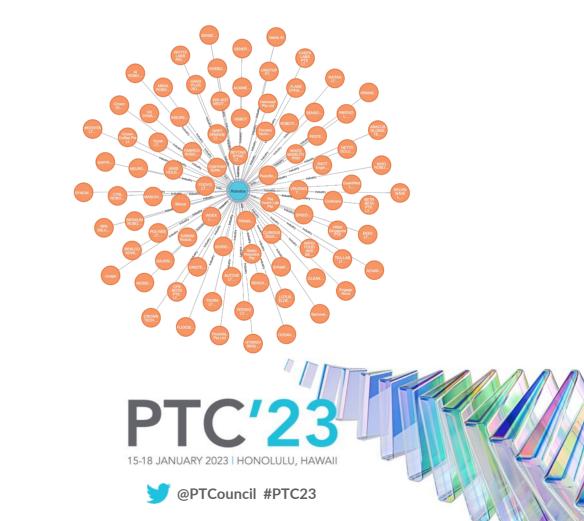


Visualization of the domains

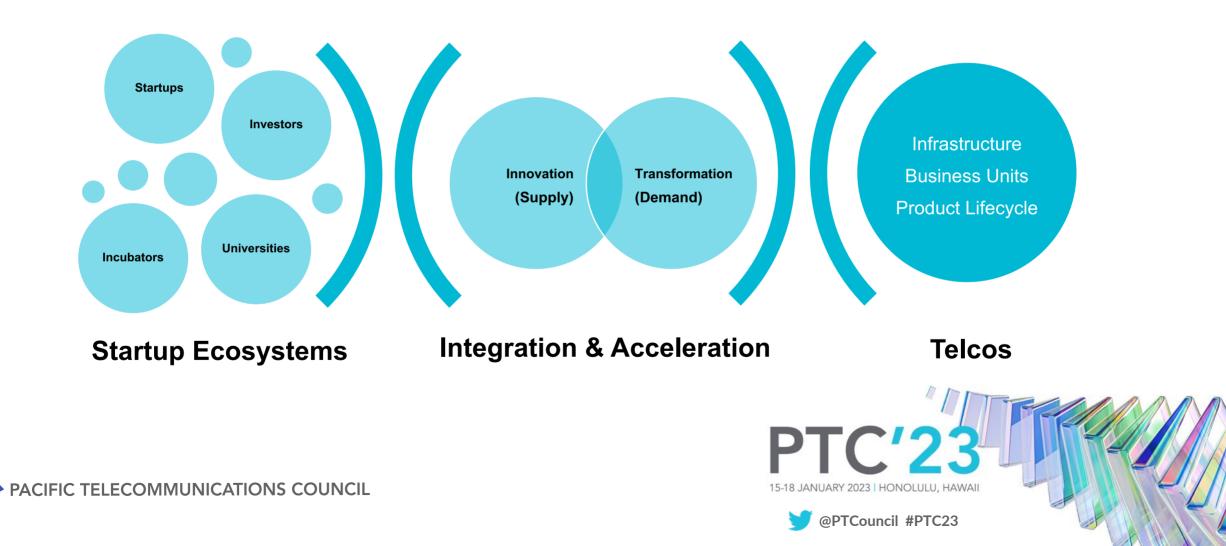
Domain: Infotech (580 startups)



Domain: Robotics (87 startups)

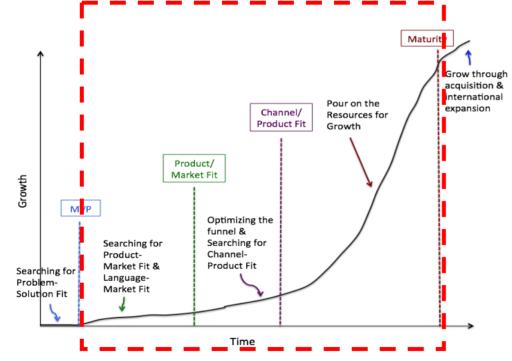


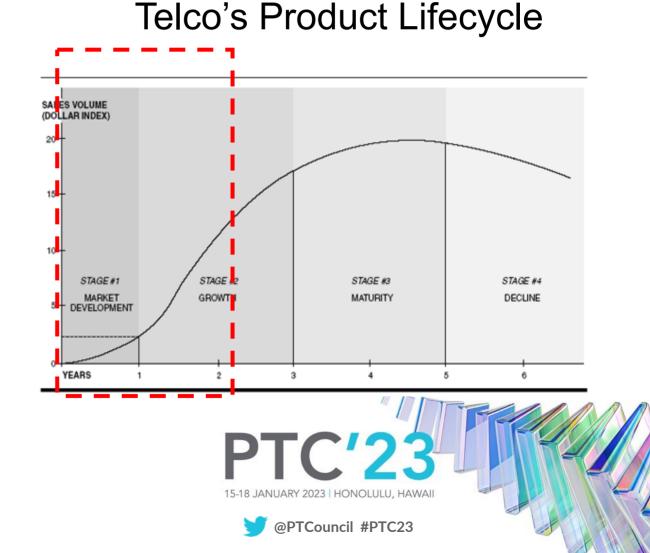
Innovation identification



Integration & Acceleration

Startup Growth Lifecycle





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Integration & Acceleration (Cont.)

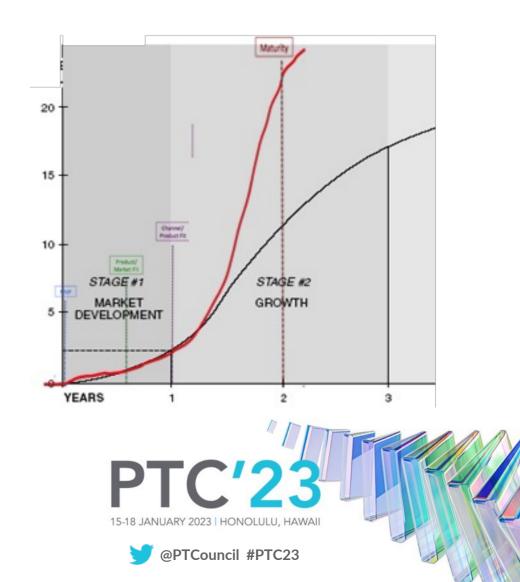
PROS

With the startup partners, telcos can leverage the startups' innovation and technologies to accelerate the new product development.

CONS

New R&D methodology and business model need to be developed.







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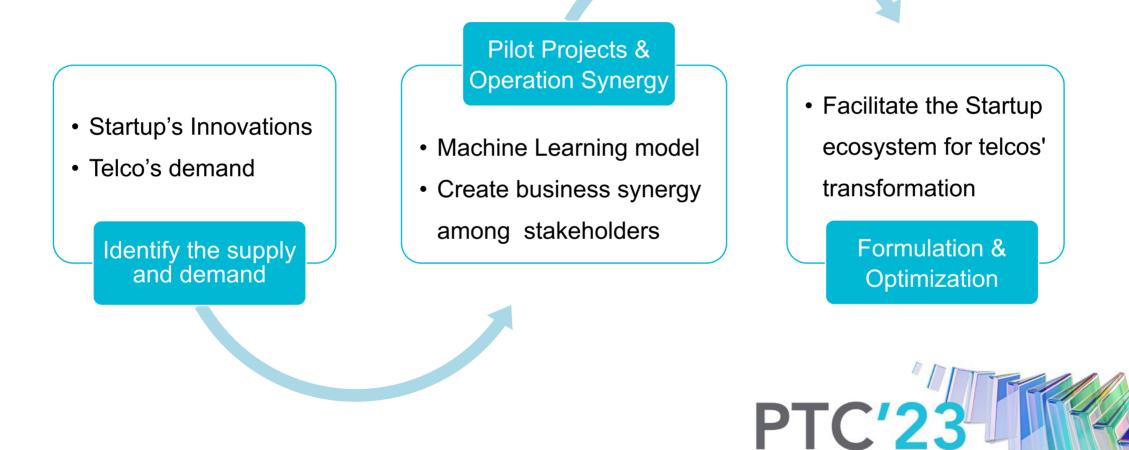


Three Phases in 2023-2025





Action plan in three phases

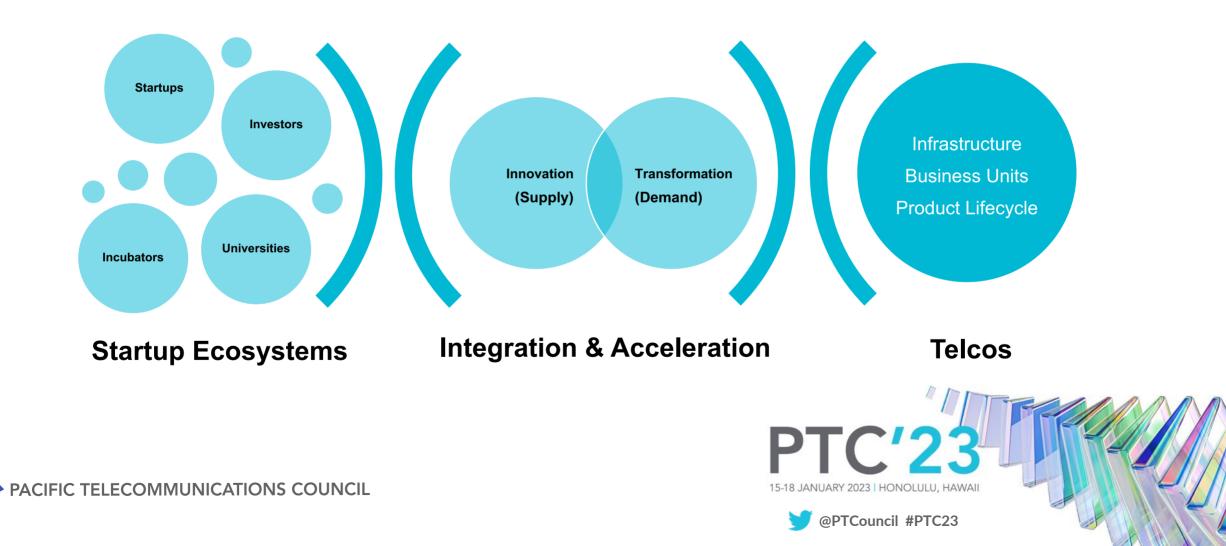






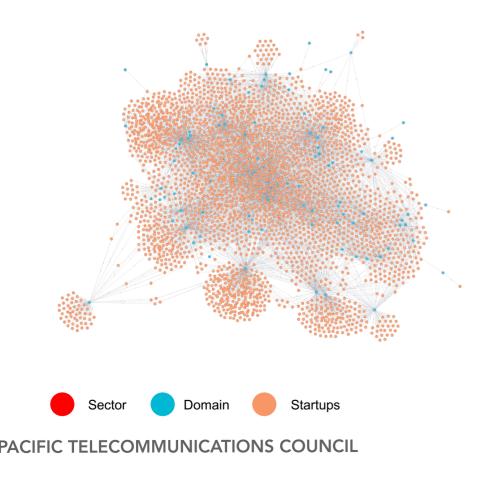
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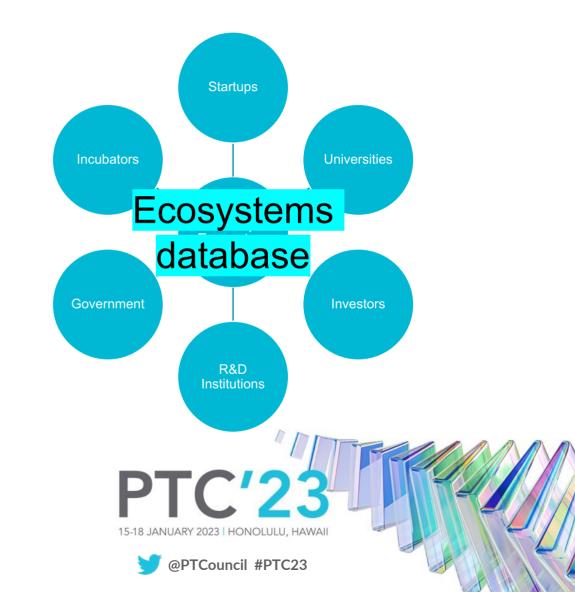
Innovation identification



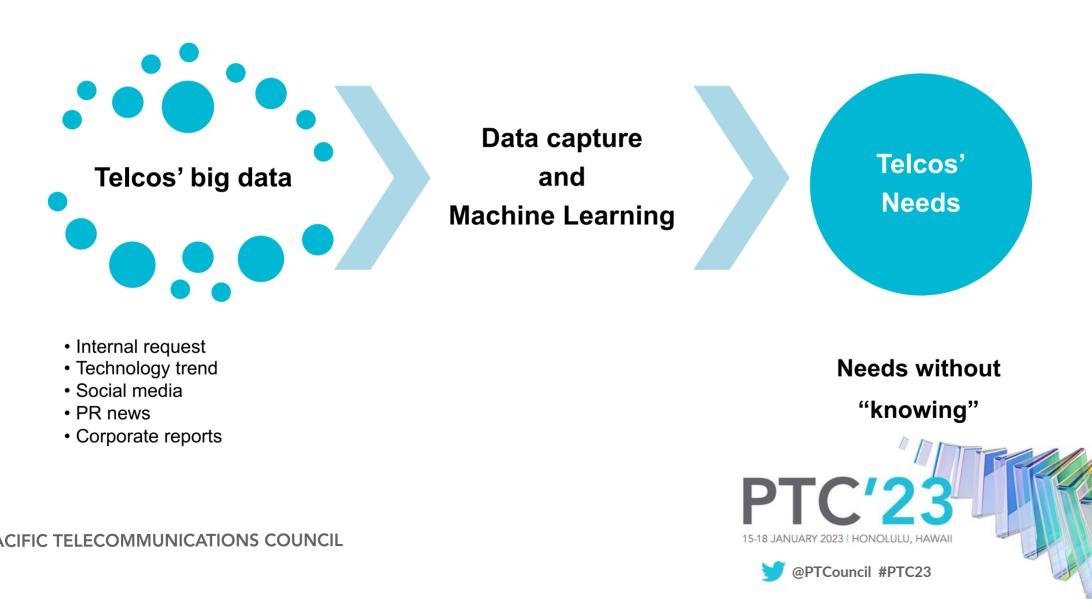
Database for the whole Startup Ecosystem

Startups' database





Retrieve the "unknown" needs of telcos'



Do things in a different way, the better way

TRADITIONAL

- Solution or product
 - Price
- Supplier v.s Custmer

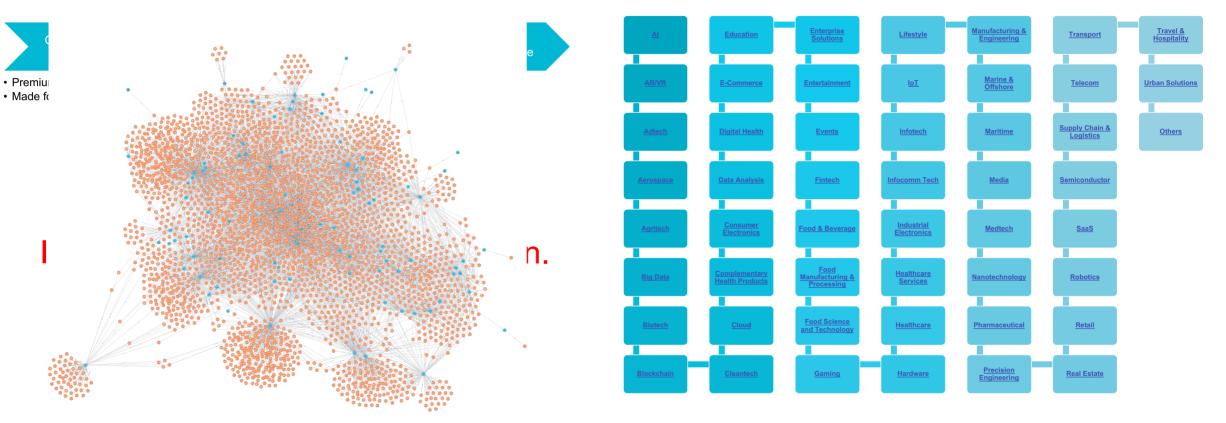
Partnership

INNOVATION

- Business remodel
- Tackle the "social problem" with technologies and innovations







But... to rebuild one!





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Thank you!

Should you have any question, feel free to contact us

idea@telcox.io



