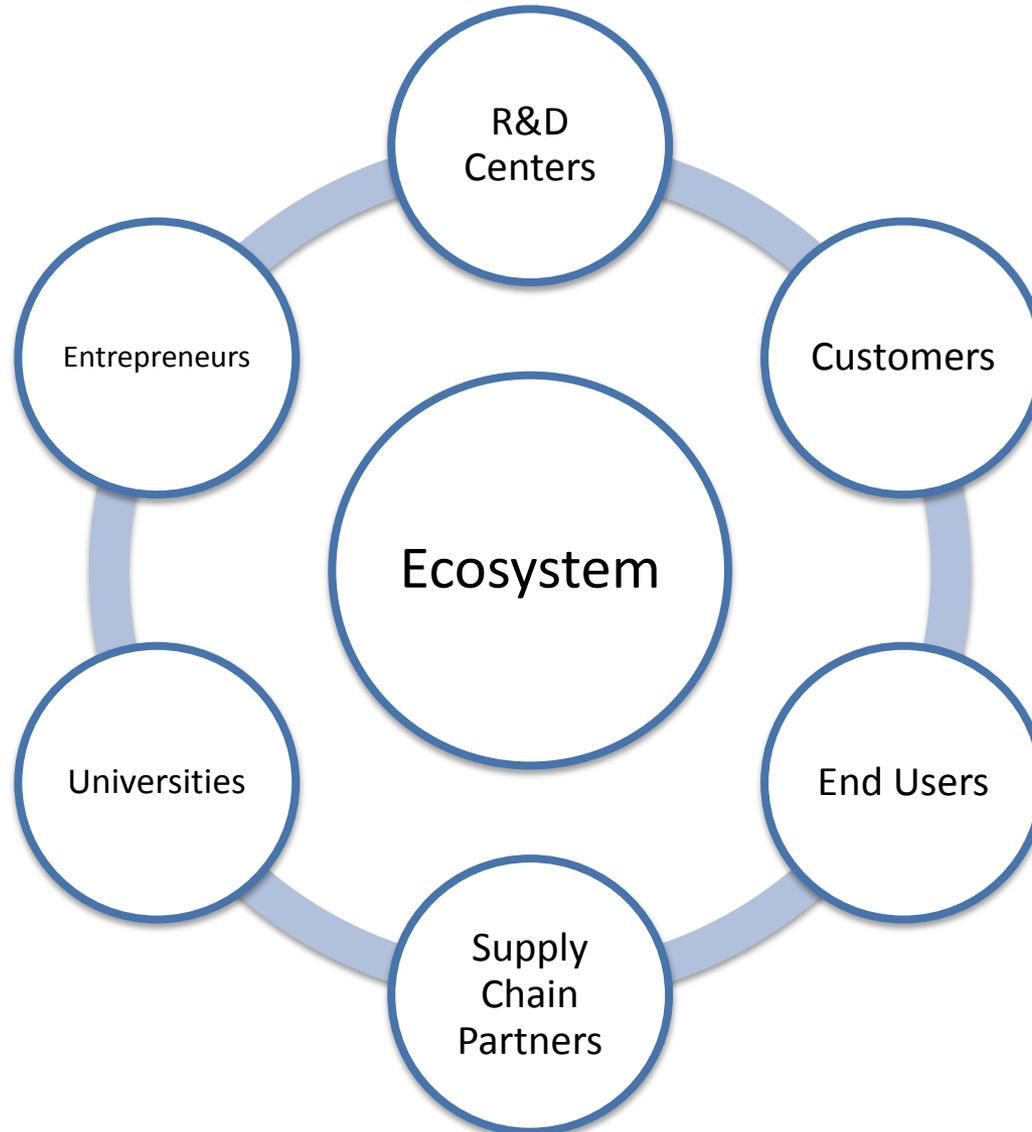


Technological Innovation : Open Innovation

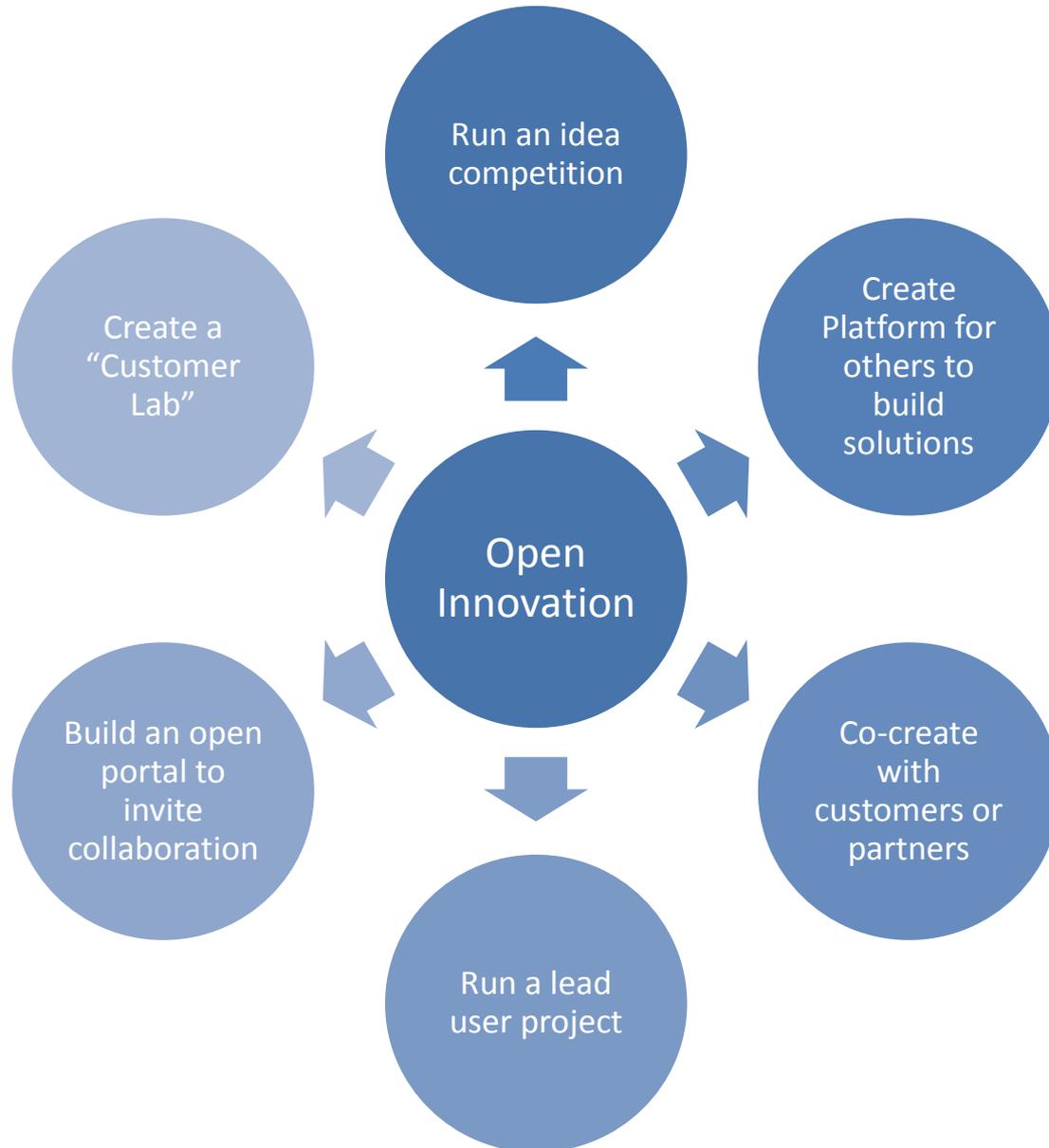
10 March 2015

What is open innovation?

Open Innovation is a co-create innovation ecosystem:



Open Innovation Approach



Open Innovation Examples



香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

HKUST

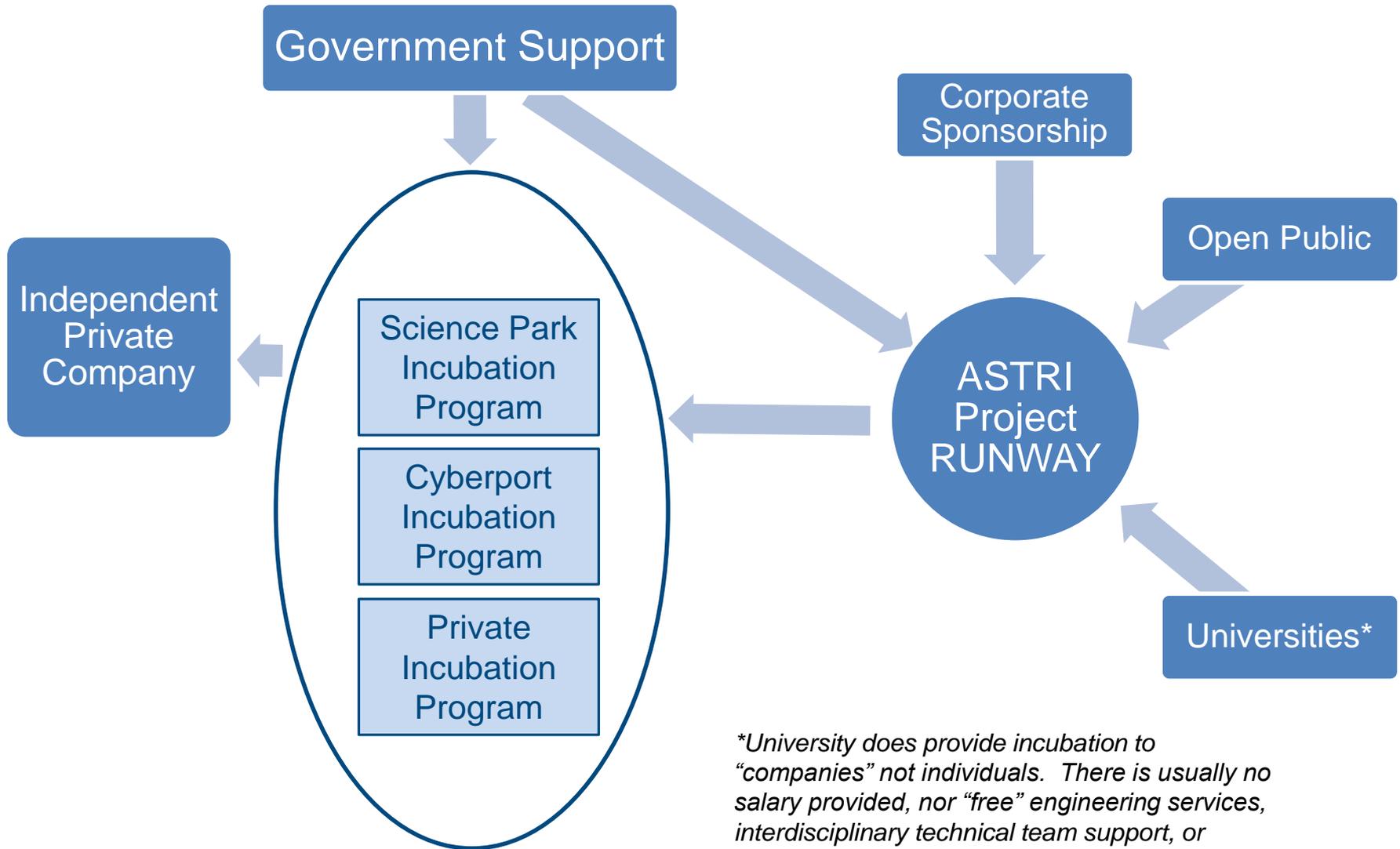


Perception Digital



ASTRI

Example: ASTRI project runway



**University does provide incubation to “companies” not individuals. There is usually no salary provided, nor “free” engineering services, interdisciplinary technical team support, or broad based IPs. There is also usually a lesser support from full time marketing and sales team.*



Overview of ASTRI

About ASTRI

ASTRI is a government subvention organization, focusing on R&D on information and communication technologies (ICT), with a mission to perform high quality R&D and transfer technologies to the industries.

Key R&D areas

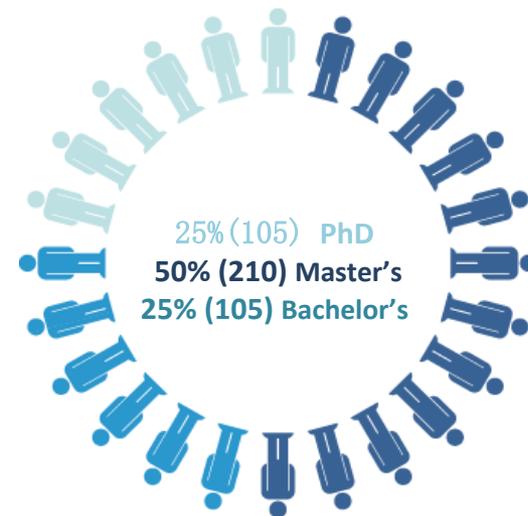
ASTRI is the largest R&D centre in Hong Kong with an annual funding around HK\$410M.

Key R&D areas include:

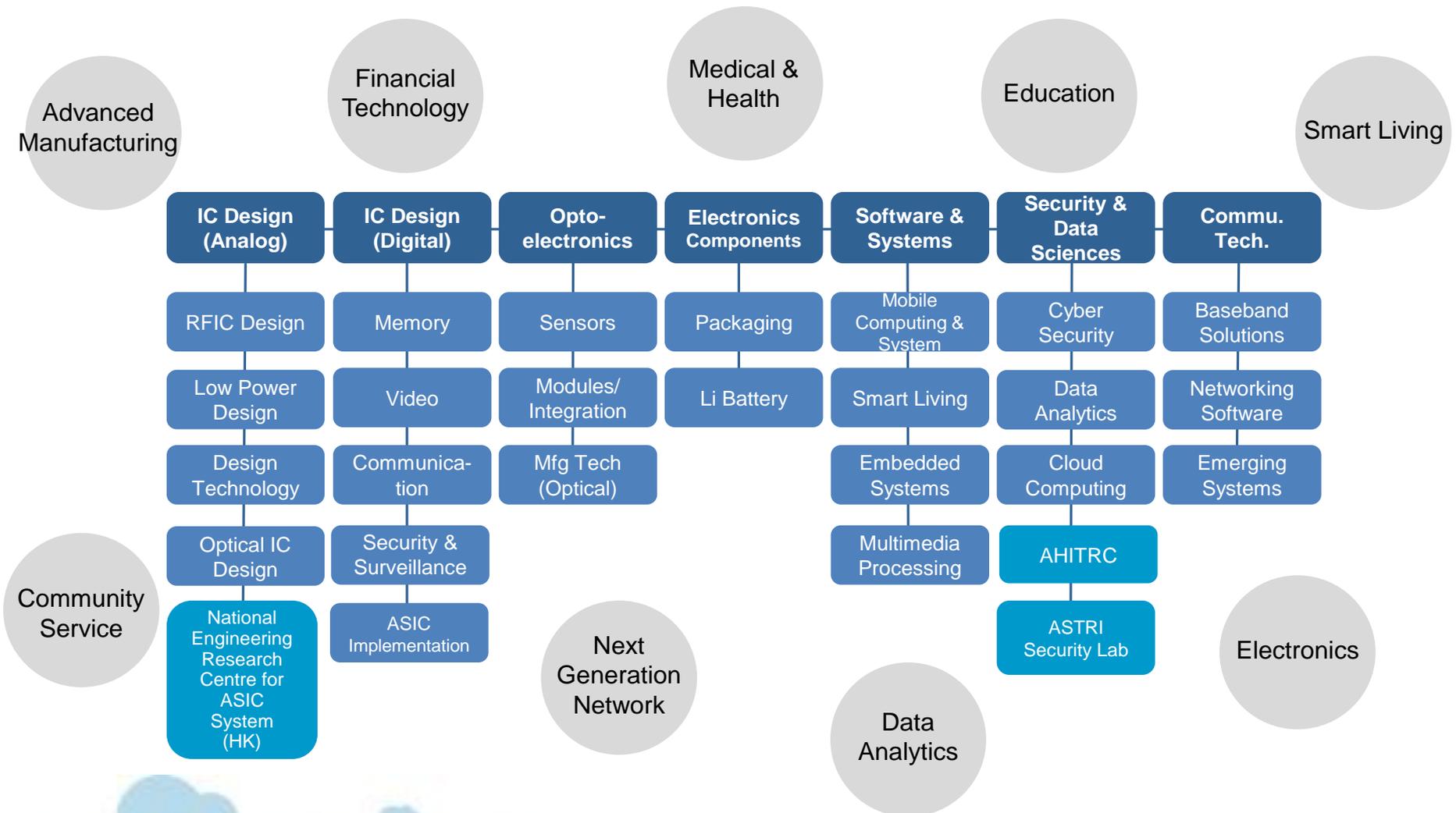
- IC design
- Sensors
- Modules
- Packaging
- Li-ion battery materials
- Embedded software (e.g. MBD)
- Cloud computing
(e.g. cyber security, big data analytic)
- Wireless network (e.g. 5G, RF antenna design)
and others, covering an extensive range of technological fields

R&D Capability

Among the current 500-strong staff, 420 (~85%) are R&D talents, 25% of which hold a PhD degree, 50% Master's and 25% Bachelor's.



Core Competence & Technology Scope



R&D Direction and New Strategies

ASTRI's positioning in the next three years

- With a market orientation, ASTRI will collaborate with enterprises and research institutions on the Mainland and overseas in different ways, such as joint laboratory, alliance and R&D centre, to jointly advance innovation and technology. Through this platform, we seek to promote exchange of information and technologies and nurture R&D talents.

R&D Directions

- Acting in line with China's 13th 5-Year Plan, we will leverage the competitive advantage of HK and the core competences of ASTRI (such as overseas talents, international connection, advanced facilities) to implement the country's major technology projects, develop strategic emerging industries, advance core and critical technologies in key areas, and conduct basic research and frontier technologies.
- Adopting a market orientation, we work closely with our customers and business partners to define and to develop the next generation technologies and products.

R&D Direction and New Strategies (Cont'd)

ASTRI's New Strategies

ASTRI strives to achieve scalability and sustainability through the introduction of new initiatives, new collaboration models, and a cohesive internal organizational structure, policies and other measures.

- New initiatives include financial technology, advance manufacturing technology, the next generation of network technology, medical and health sensors and systems technology, smart living, and so on.
- New model includes collaboration with companies, major universities, and research institutions, set up R&D center themes, joint laboratory & alliance. Take advantage of this platform for information exchanges, mutual complementarily, and promote innovative technologies, personnel training.
- Integration of internal organizational structure; develop RD strategies; streamline procedures as well as market-oriented R&D to improve efficiency.

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End of Presentation

Thank you. Questions are welcome.

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