



New R&D Initiative in Singapore

9th September, 2013

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Senior Vice President, NEC Corporation

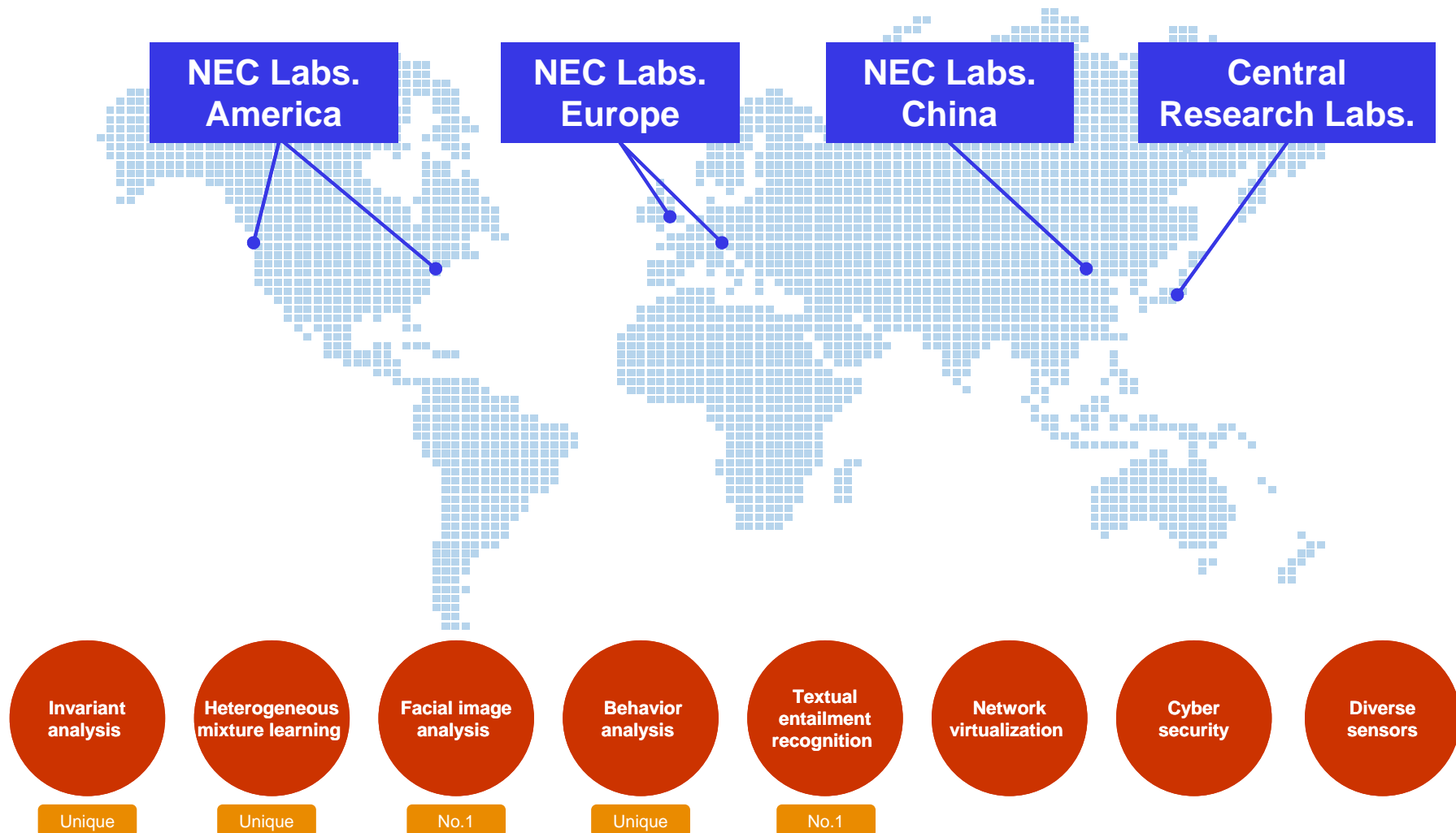
R&D in the Social Solution Era

Value Creation with Speed and Flexibility

1. Value co-creation and field trials with customers
2. Open innovation
3. Extending the reach of social value

NEC's Existing Laboratories

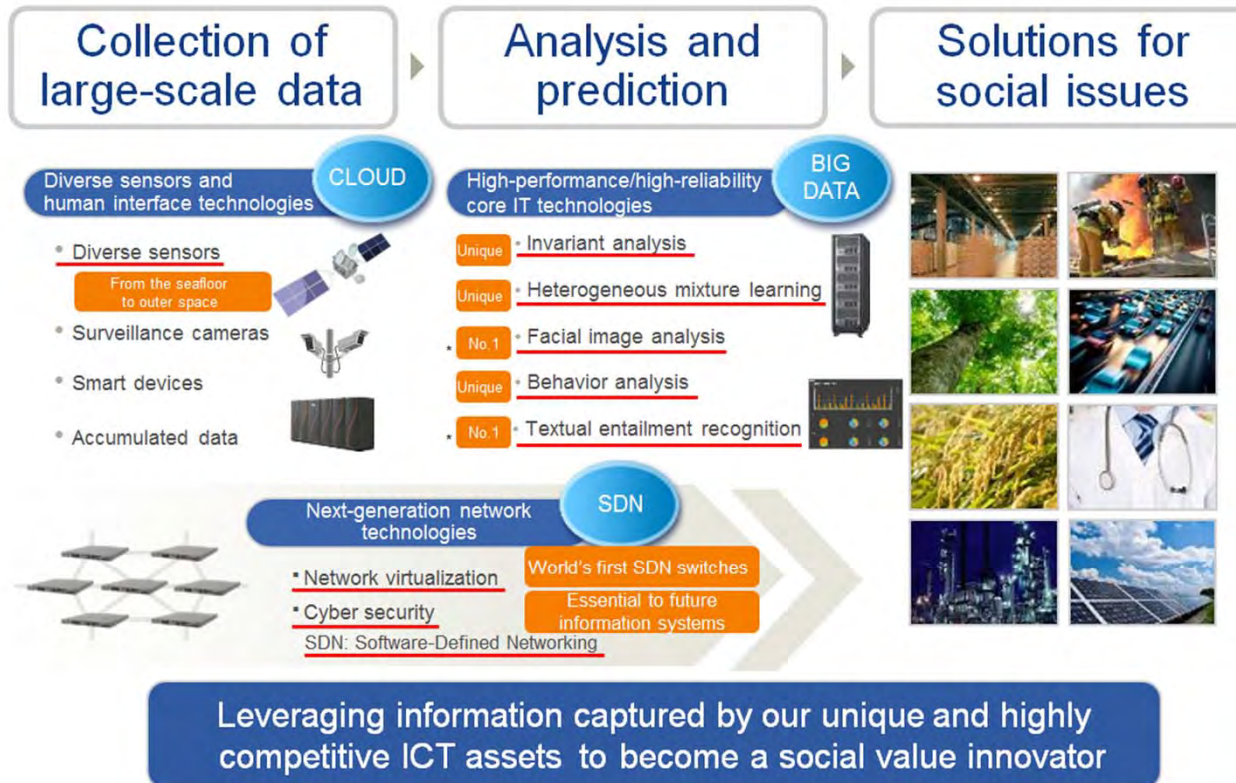
Continuous creation of core technologies



NEC's Existing Laboratories

Continuous creation of core technologies

Innovation of Social Infrastructure via ICT

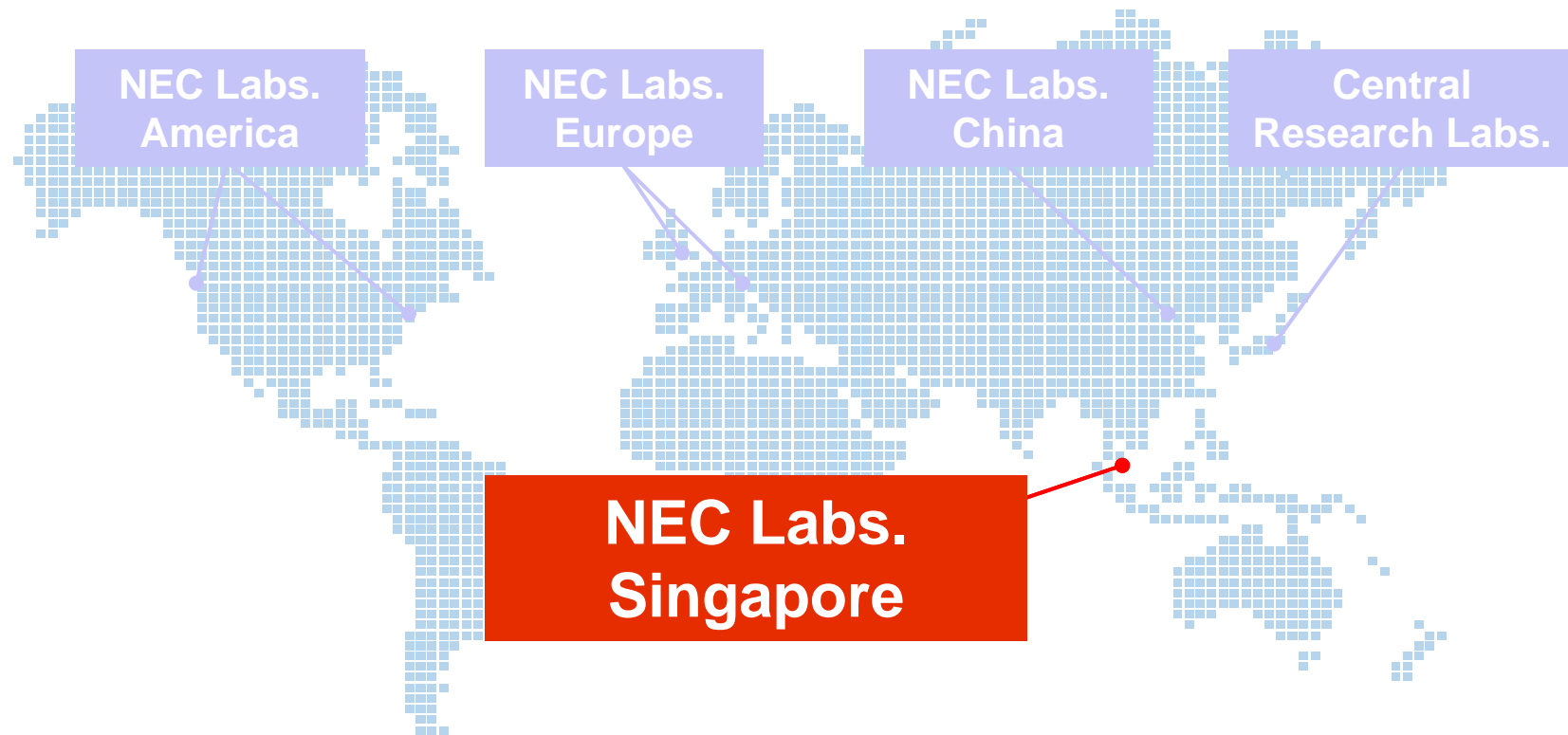


* Rated as No.1 among organizations participating in an evaluation task organized by the U.S. National Institute of Standards and Technology (NIST)

Focus on creating the most advanced technologies

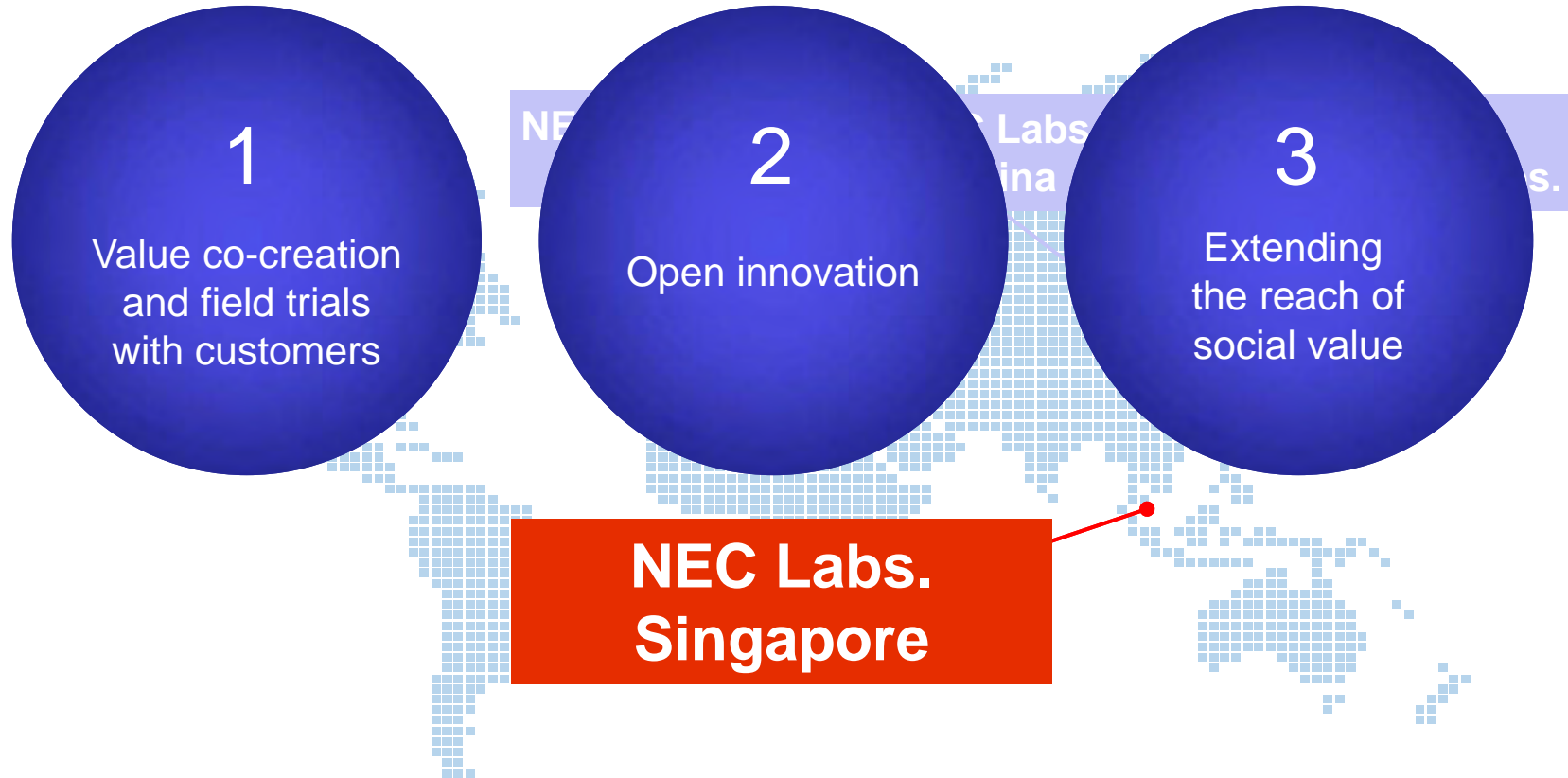
NEC Laboratories Singapore

Co-creation of social solutions



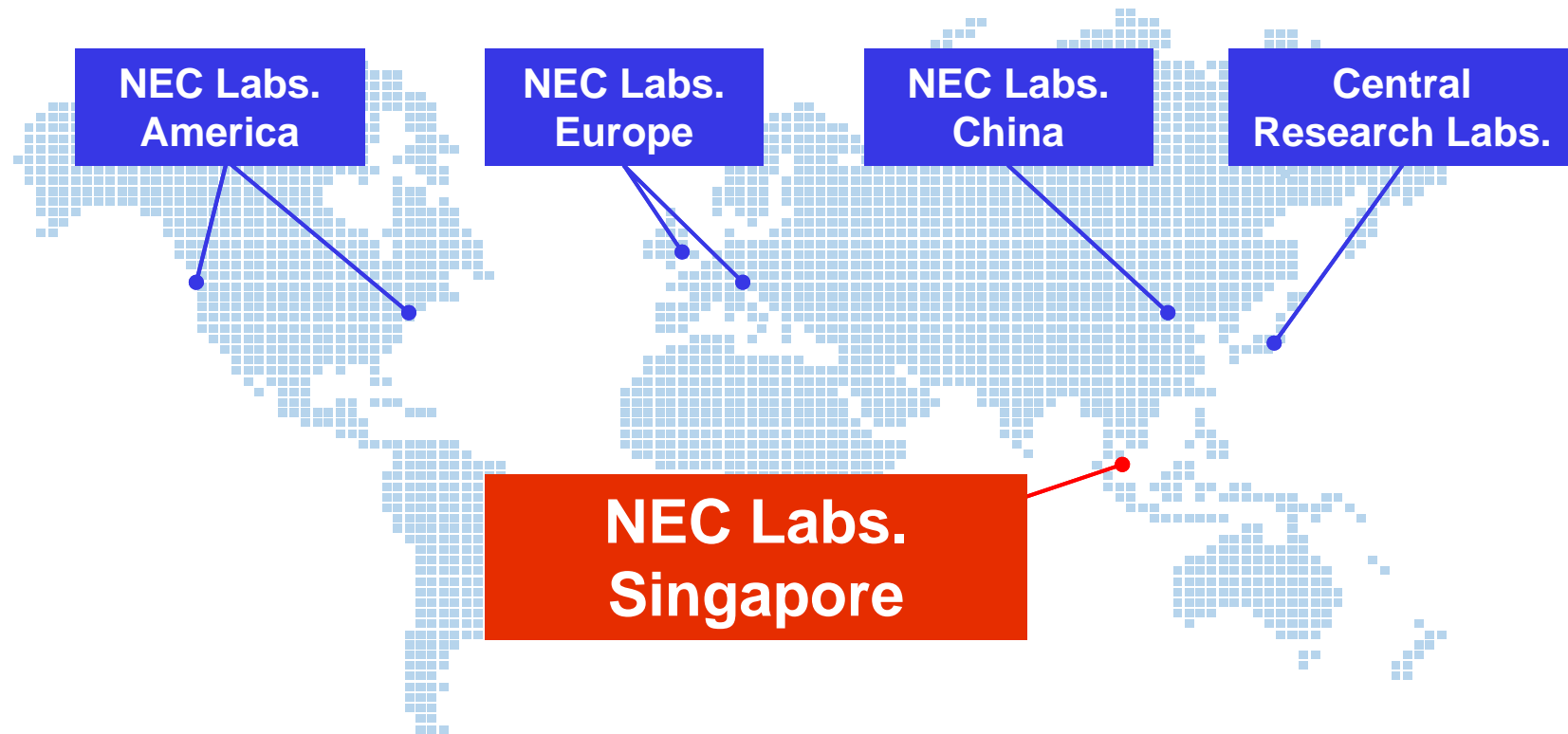
NEC Laboratories Singapore

Co-creation of social solutions

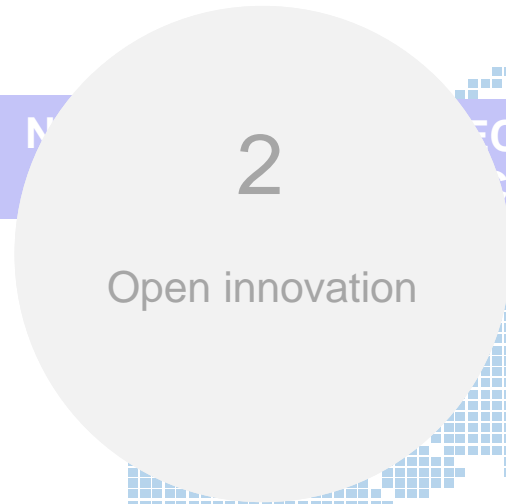


The future of NEC Laboratories

Advanced core technologies and co-creation of social solutions



Greater focus on social value creation



**NEC Labs.
Singapore**

Safe City Testbed Project

1

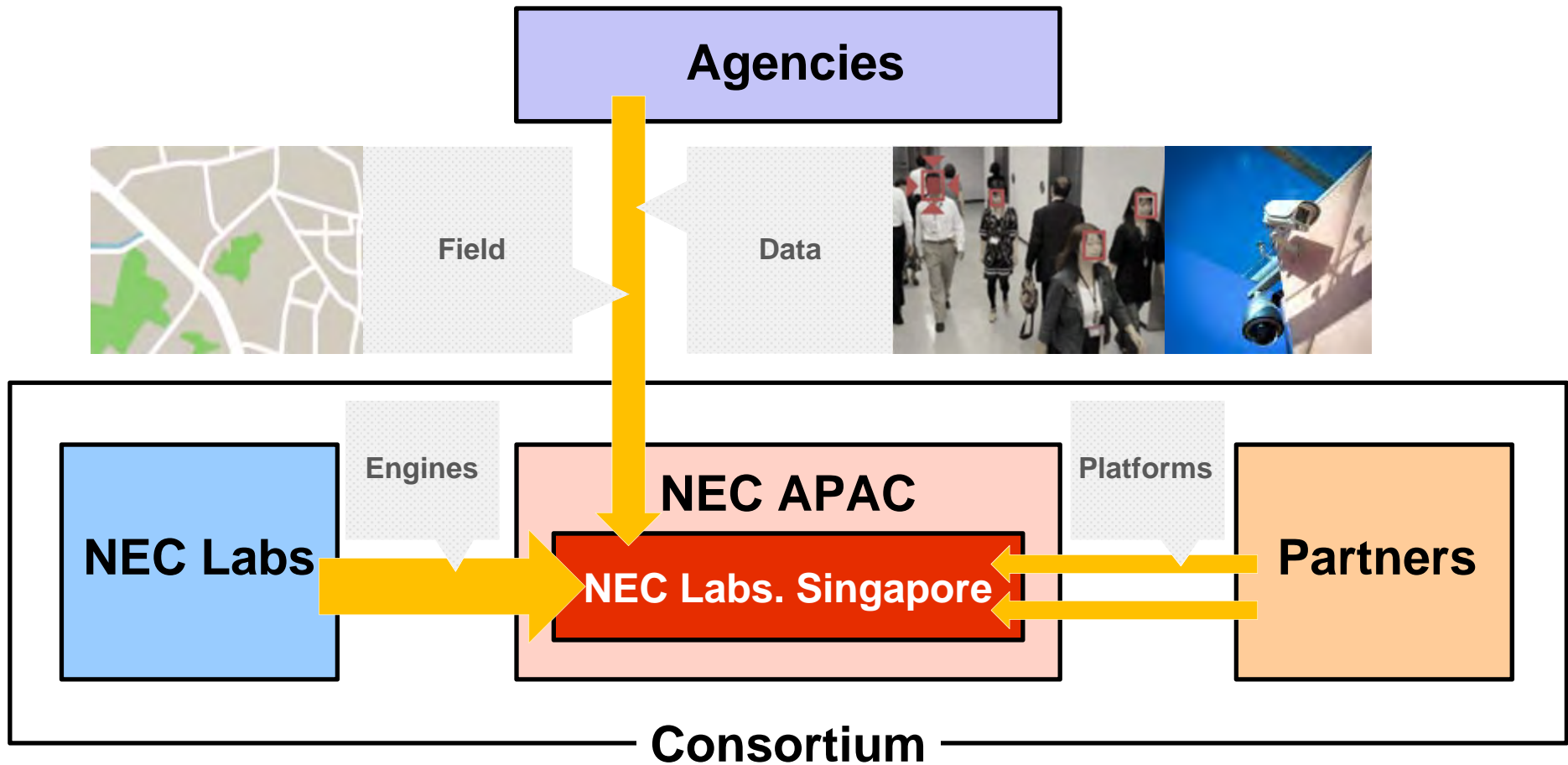
Value co-creation
and field trials
with customers



NEC Laboratories Singapore will create systems to protect Urban areas from the threat of crime and disaster

Safe City Testbed Project

1
Value co-creation
and field trials
with customers



NEC APAC is leading a Safe City Testbed consortium

Future projects

1

Value co-creation
and field trials
with customers

Solutions towards Safe and Smart Cities



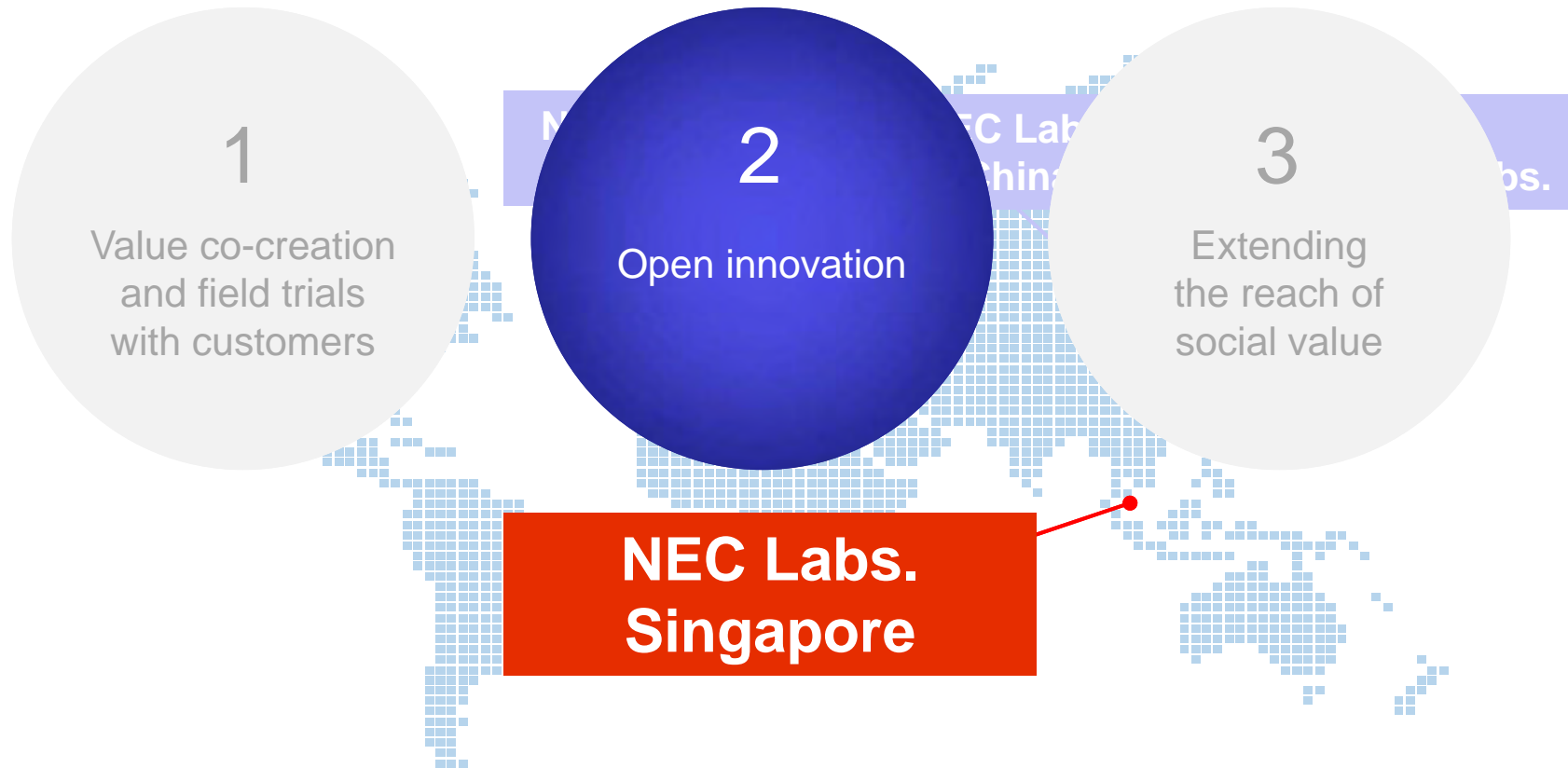
Urban Surveillance



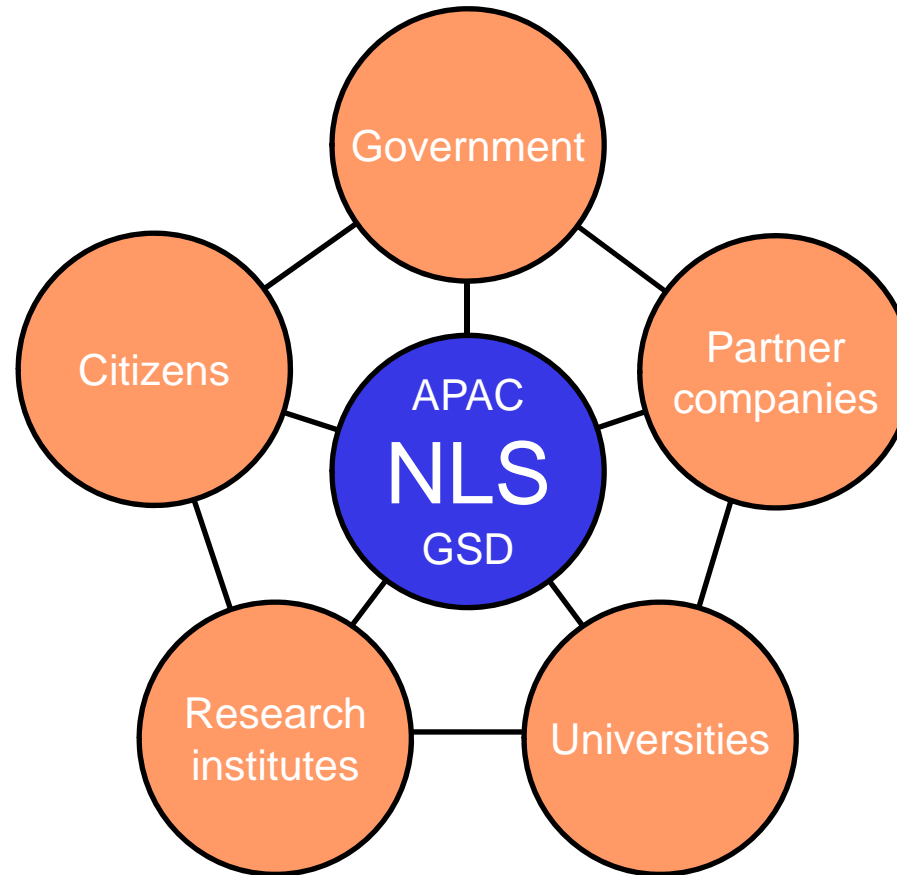
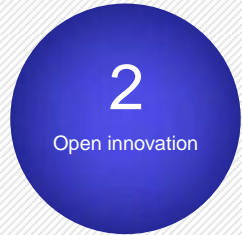
**Infrastructure Maintenance
and Management**



**Smart Energy
with Microgrid**



Flexible system optimization by project

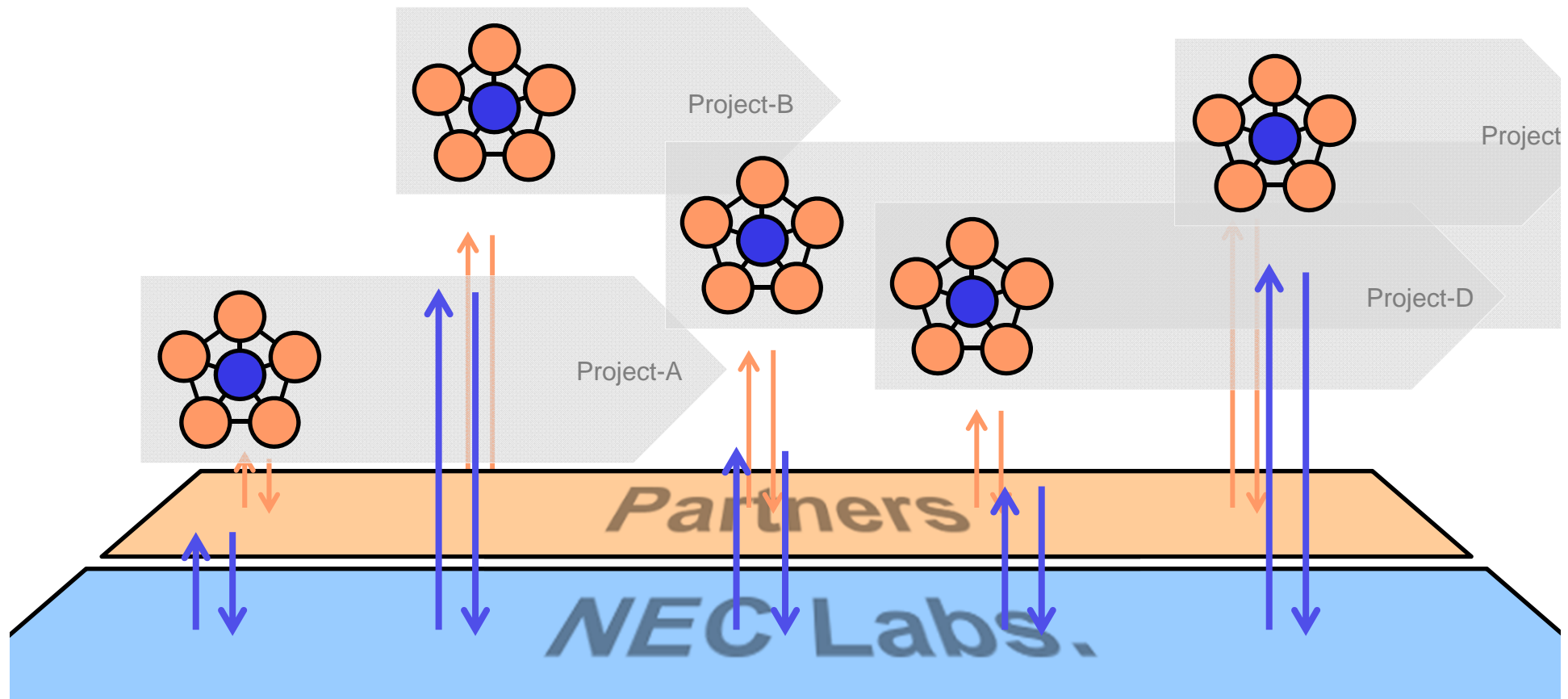


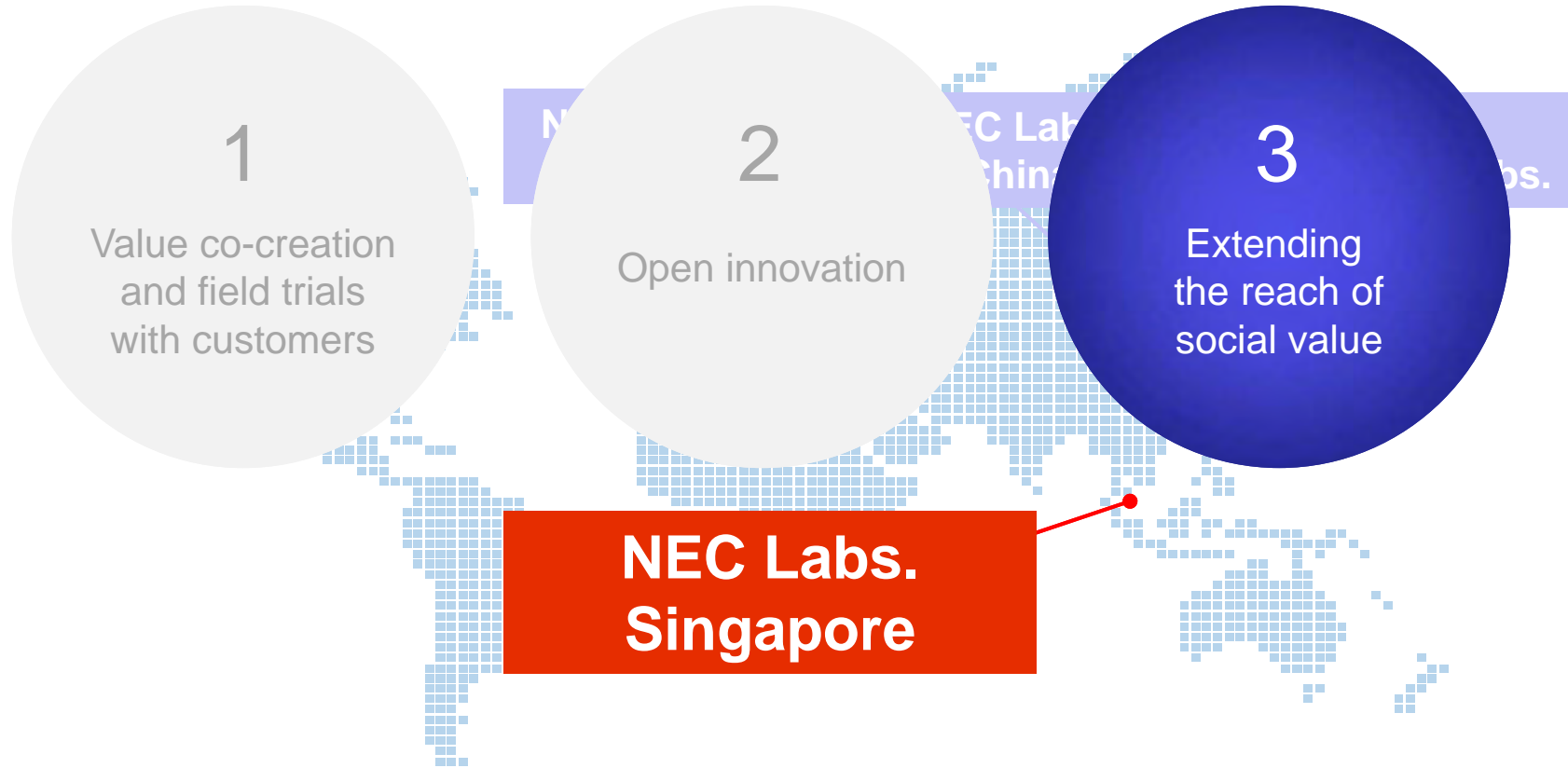
Optimized project creation

2

Open innovation

- Regional collaboration to create optimized projects
- New teams flexibly assigned for each project as needed

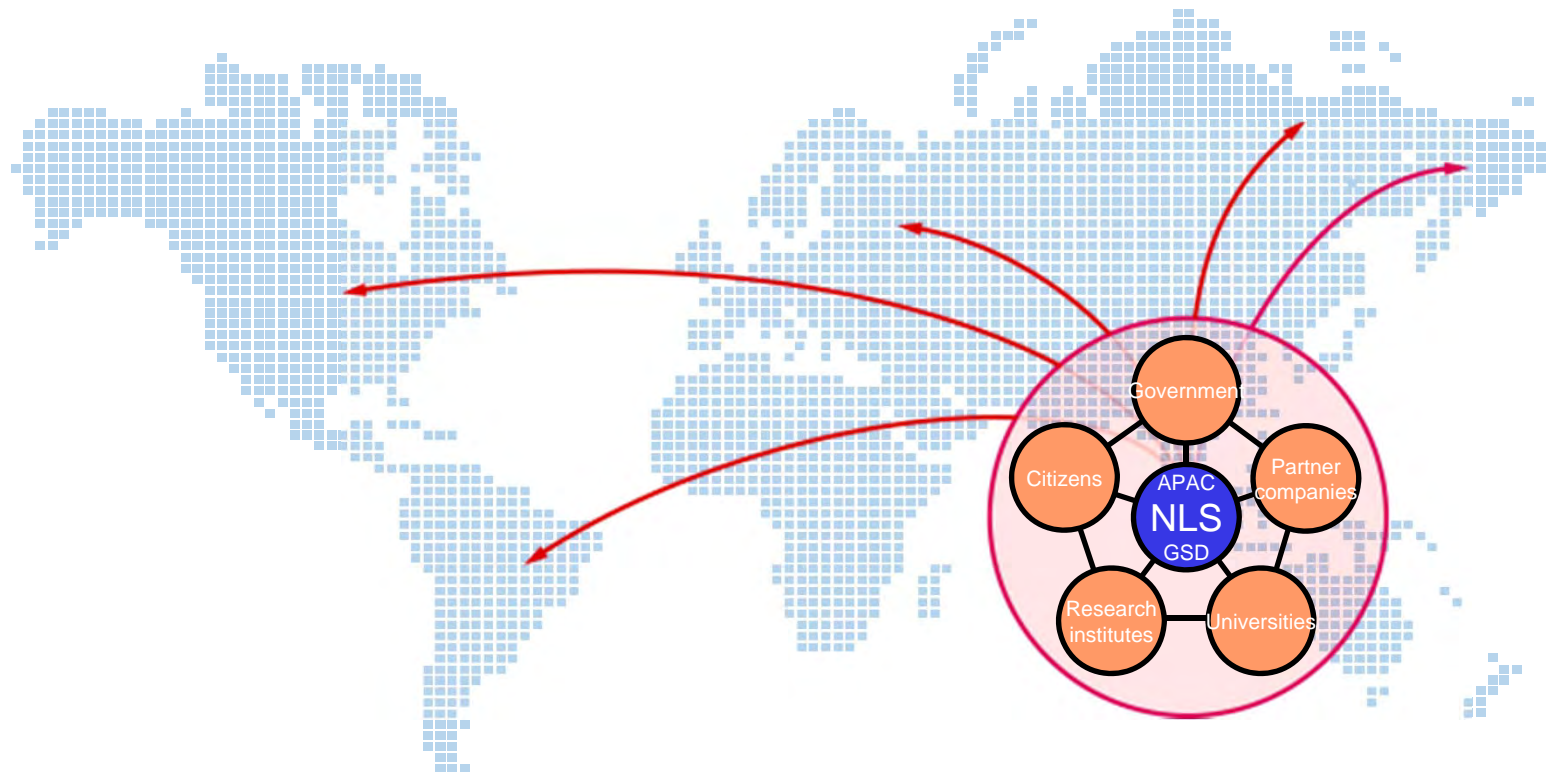




Solutions from Singapore to the world

3

Extending
the reach of
social value



**Commercialization in NEC APAC
and global deployment starting from Asia**

NEC Laboratories Singapore

Value Creation with Speed and Flexibility



Greater focus on social value creation

NEC Laboratories Singapore

Will contribute to social value creation through new R&D initiatives in Singapore

- ▶ Research areas
Safety, Big Data Analytics, Cyber Security, Smart Energy
- ▶ Lab Size
 - Aim to increase to approximately 50 staff by FY2016 (30 from NLS.)
- ▶ Head
Dr. Keiji Yamada
- ▶ Head Office
No.1 Maritime Square #12-10 HarbourFront Centre,
Singapore 099253



Empowered by Innovation

NEC