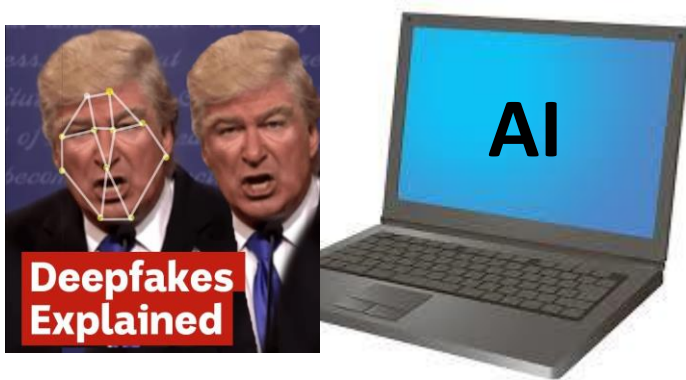


Deep fake

can't easily prove fake information.



Cyberstalking



Tracking SNS to illegally obtain personal information.

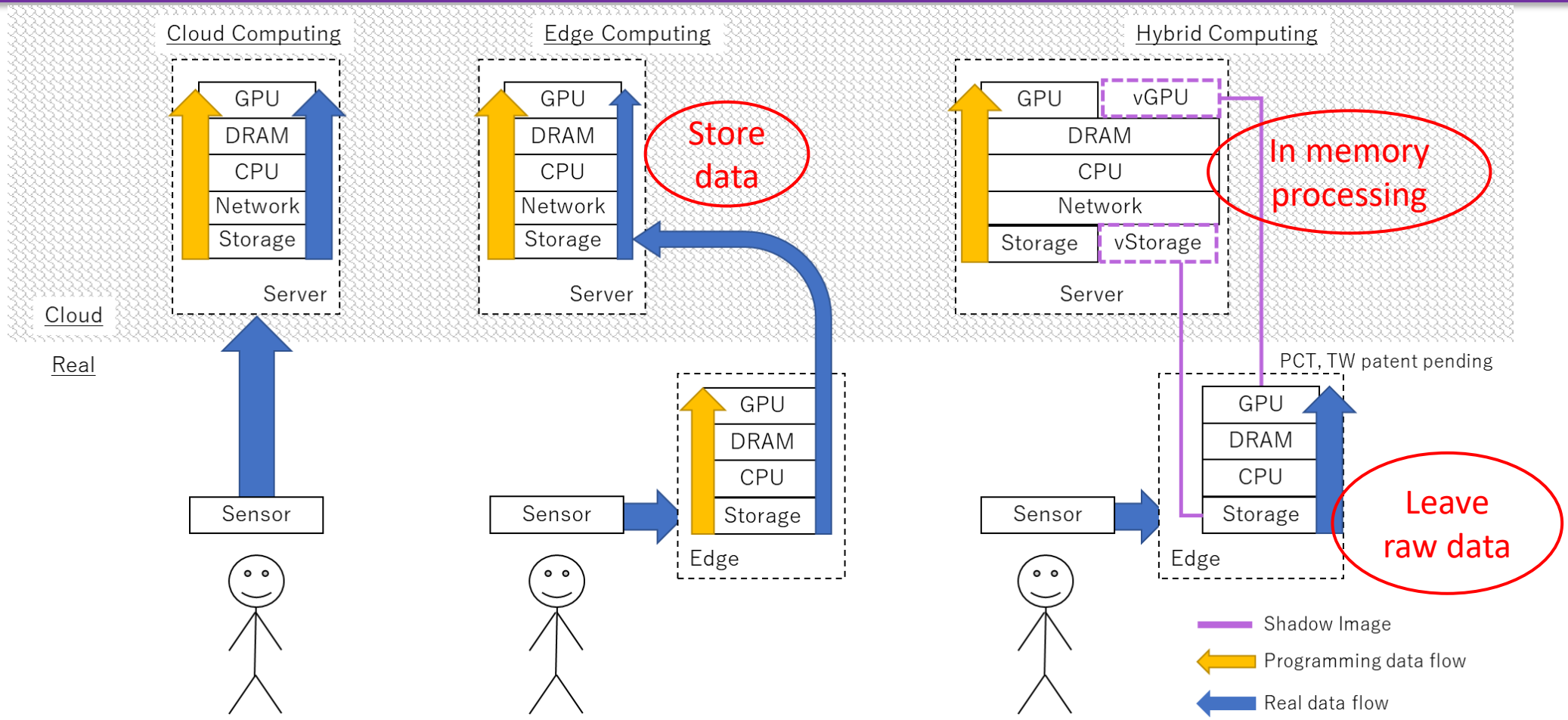
Digital divide

Infants and seniors who can't have smartphones can't use cashless.



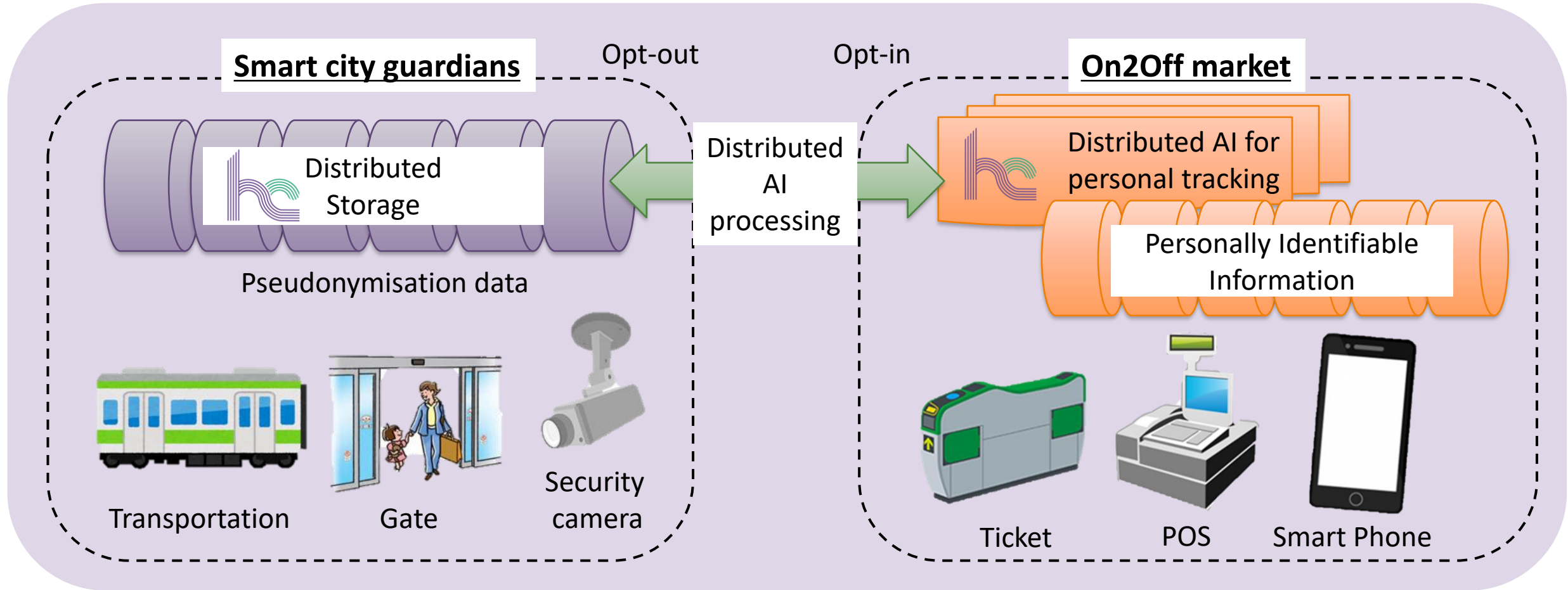
The more AI, IoT and ICT, the harder it is to protect privacy.

Key technology - Hybrid Computing™ (HC)



Data is not stored in the cloud, but is stored encrypted and distributed at the source of the data. Processing results are generated only when data demand occurs, and processing results exist only in the memory space on the cloud and are not recorded.

Market



Potential market

Who we are

tonoi co.,ltd.



Establishment: February 2, 2015
President: Mitsuo Koikawa
Capital: 10 million yen
HQ: Casa Goban-chou 101 Chiyoda-ku
Goban-chou 2-14, Tokyo, 102-0076, Japan
<https://tonoi.co.jp>

< Mission >

- Guardian of the digital network world.
- Toward the livable++ Internet.

< Vision >

- Building a data recycling society where AI apps circulate without collecting raw data.

< Business >

- Development of next gen data access technology :: Hybrid Computing (HC).
- Planning, design and operation of services using the Internet, etc.
- Contract software development business.

President, Founder Mitsuo Koikawa



Xbox basic communication protocol patent invention.

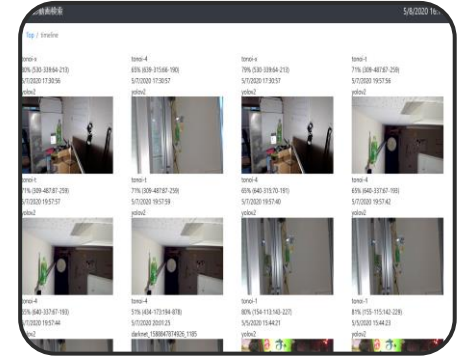
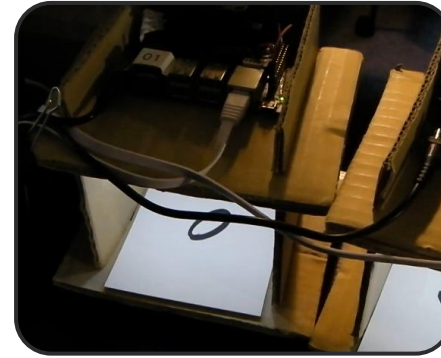
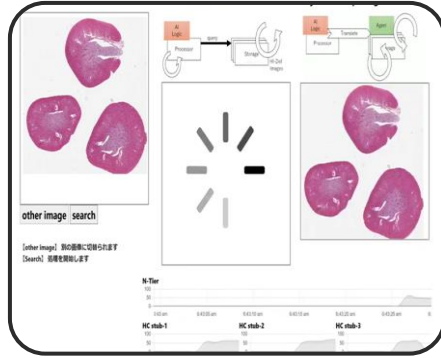
- PlayStation and others cite this patent.
- Basics of later call protocols such as LINE and Zoom.

Maintain and sponsor a network interoperability lab for 13 years in the Microsoft.

- Interoperability testing with more than 130 carriers, ISPs.
- Interoperability testing with more than 30 communications equipment vendors.

MIT Venture Forum Japan 2018 Business contest First Prize.

HC technology developments to date



Smart intercom

- Distributed AI processing in conjunction with cloud AI and edge computing.
- Voice cognition by raspberry pi 3 with distributed AI.
- Fundamental development of the HC technology.

AI analysis of medial image

- Quick search for matching images from a large number of medical images stored in the cloud.
- 9 times faster than ever.
- High-speed calculation system development for HC.

Object detect in the movie

- A distributed AI is used to extract a scene in which a specified object exists from a large number of moving images stored at a plurality of remote locations (Japan and the United States).
- Large-scale video search.
- Distributed calculation system development for HC.

Dispersed AI learning of scratch

- AI learning of images is performed by a plurality of inspection devices, and differences between the AI are integrated and transmitted to all inspection devices.
- Additional learning in the factory where data upload is not allowed.
- Distributed AI learning engine development for HC.

Real-time distributed monitoring

- Automatic AI that detects objects specified by handwriting on a smartphone is generated and distributed by multiple smart cameras.
- Determination of more than 2.4 million images.
- Automated AI re-learning framework for HC.