

# AI Bridging Cloud Infrastructure (ABCI)

**ABCI** is an open innovation platform with computing resources of more than hundred petaflops for world-class AI R&D. Through industry and academia collaboration, **Algorithms**, **Big Data**, and **Computing Power** will be leveraged in a single common public platform. ABCI will rapidly accelerate the deployment of AI into real businesses and society.

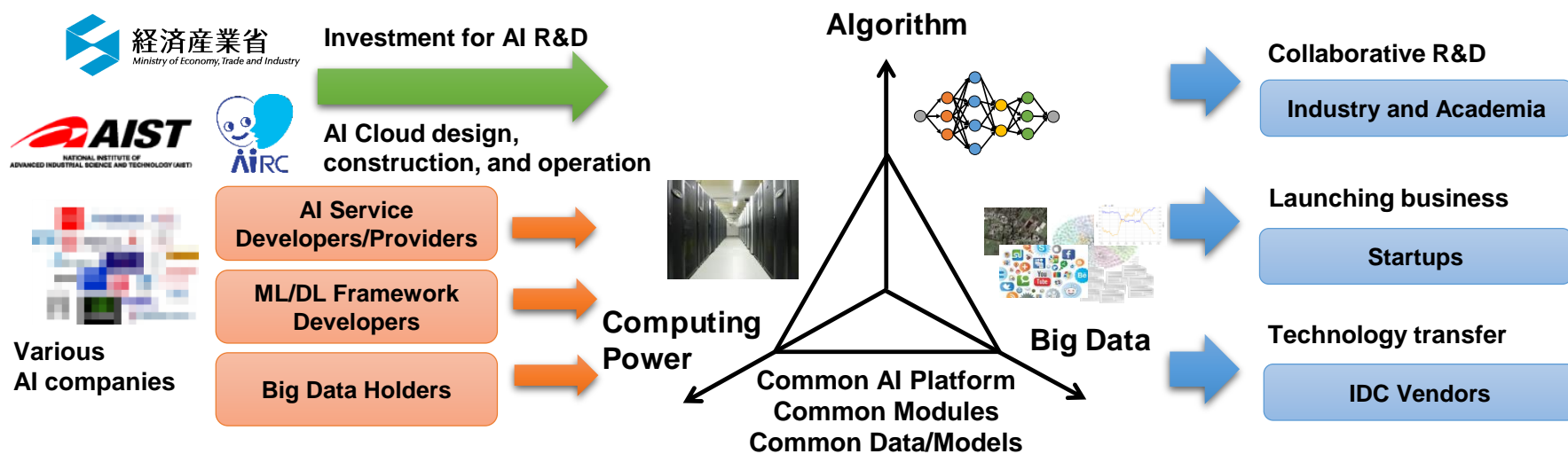
## AI Infrastructure

- **Extreme computing power** with more than hundred petaflops tailored for AI, ML (Machine Learning) and DL (Deep Learning)
- **Big Data and HPC integrated in modern design** for advanced data analytics, scientific simulation, etc.
- **Ultra high bandwidth and low latency in memory, network and storage** for accelerating various AI workloads

## Bridging Infrastructure

- **Common public platform** for AI applications, services, and infrastructure designs, aiming at technology transfer through industry and academia collaboration
- **Open hardware and software architecture** with accelerator support based on commodity devices
- **Multi-petabyte-class shareable big data storage** for AI R&D collaboration

### ABCI open innovation platform



## Cloud Infrastructure

- **Ultra-dense IDC design from ground-up** on lightweight “warehouse” building with substantial tolerance
- Wide-ranging Big Data and HPC standard software stacks for **cloud ecosystem**
- **Extreme green** with ambient warm liquid cooling, large Li-ion battery storage, high-efficiency power supplies, etc.
- **Advanced cloud-based operation** including dynamic deployment, container-based virtualized provisioning, multitenant partitioning, automatic failure recovery, etc.

### TARGET SPEC.

>130 PF (HP or SP)  
 > 20 PB Storage  
 < 3 MW Power  
 < 1.1 Avg. PUE  
 1Q 2018 (Plan)