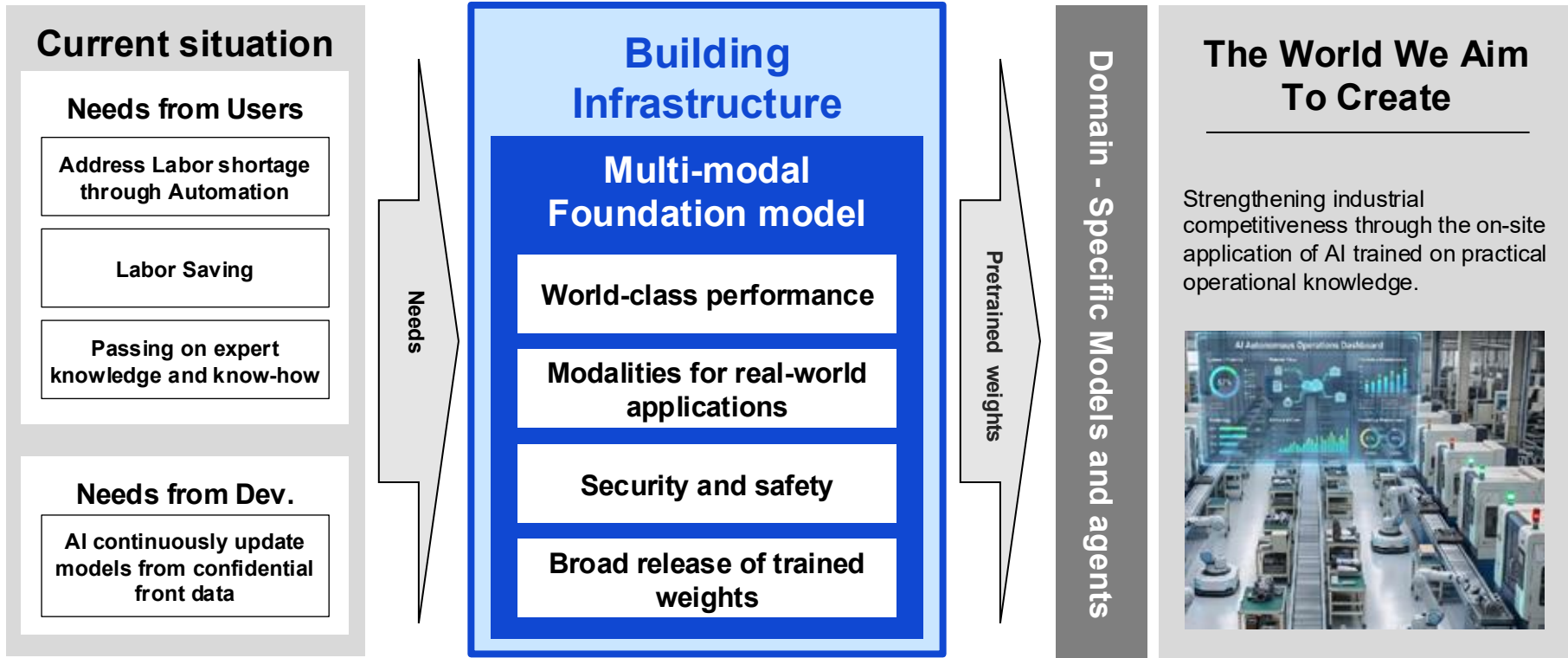


**Selected for New Energy and Industrial Technology Development
Organization's Project on the Development of
Multimodal Foundation Models Toward AI Robots and Physical AI**



Our goal is to build a world-class, multimodal foundation model that serves as a core platform for AI development across industries.



Understand the
real world in
real time

Autonomously
control robots

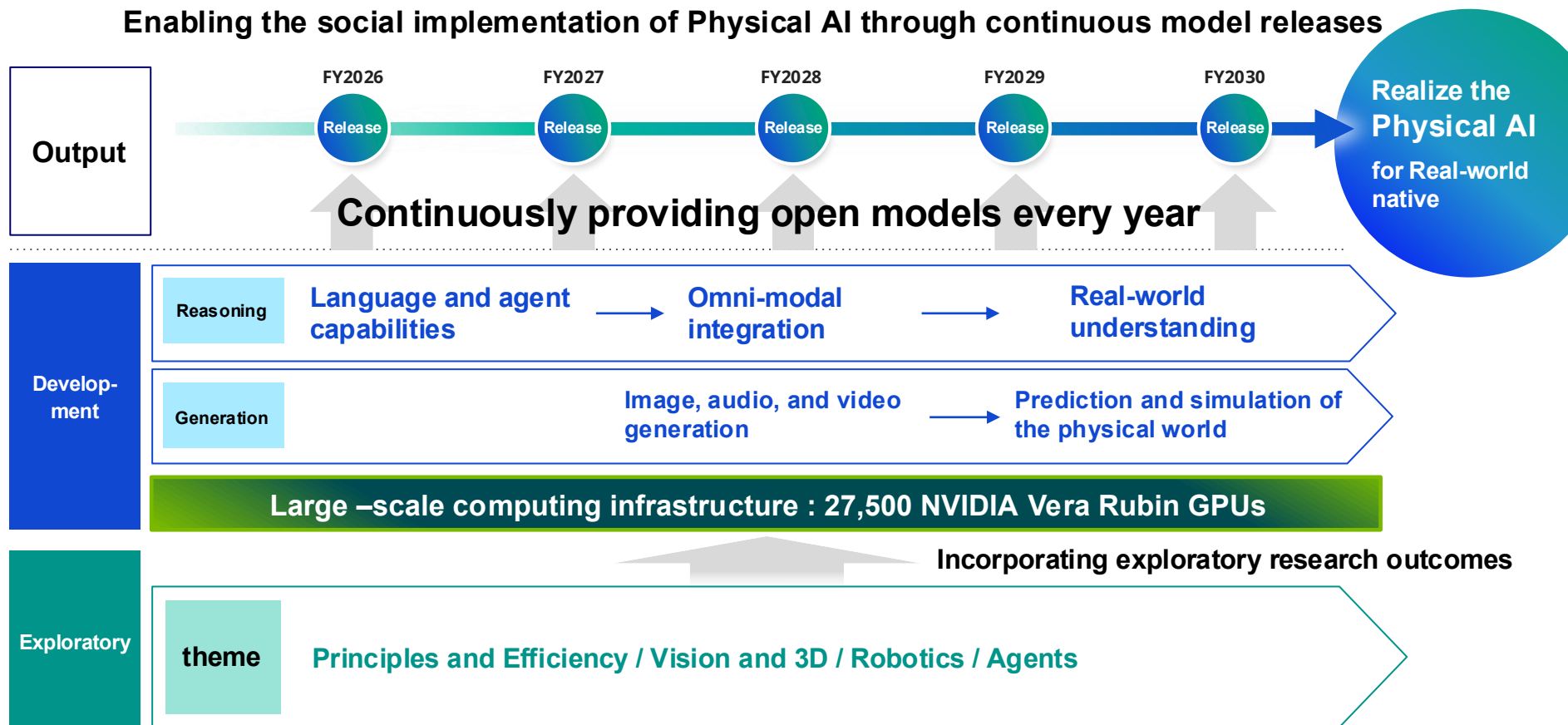
Leverage existing
factories & facilities
to work alongside
people

**Harnessing AI that understands and acts on frontline
knowledge to strengthen industrial competitiveness**

**Uniting our dual-pillar approach to consistently
create new value, we will build a new standard for AI from Japan**



Enabling the social implementation of Physical AI through continuous model releases



*Based on company research using publicly available domestic information (as of July 2026).
Figures are based on the planned number of NVIDIA Rubin GPU units to be installed in the GPU cluster.

AI that understands the real world and works on-site

Reasoning Foundation Model

(1) Scaling Up

Encoding the world at world-class, trillion-param scale

(2) Multimodal Integration

All human senses, including: read, see, hear, touch, in one model

(3) Real-World Reasoning

AI that understands the world and works on-site

Generative Foundation Model

(1) World Model

Recreating the real world for 1 million virtual trial-and-error runs

(2) Synthetic Data

Generating synthetic data that is difficult to collect in reality: accidents, exceptions, degradation

FY2026

Read & Reason

FY2027

See & understand

Hear & grasp

FY2028

Capture shape & motion

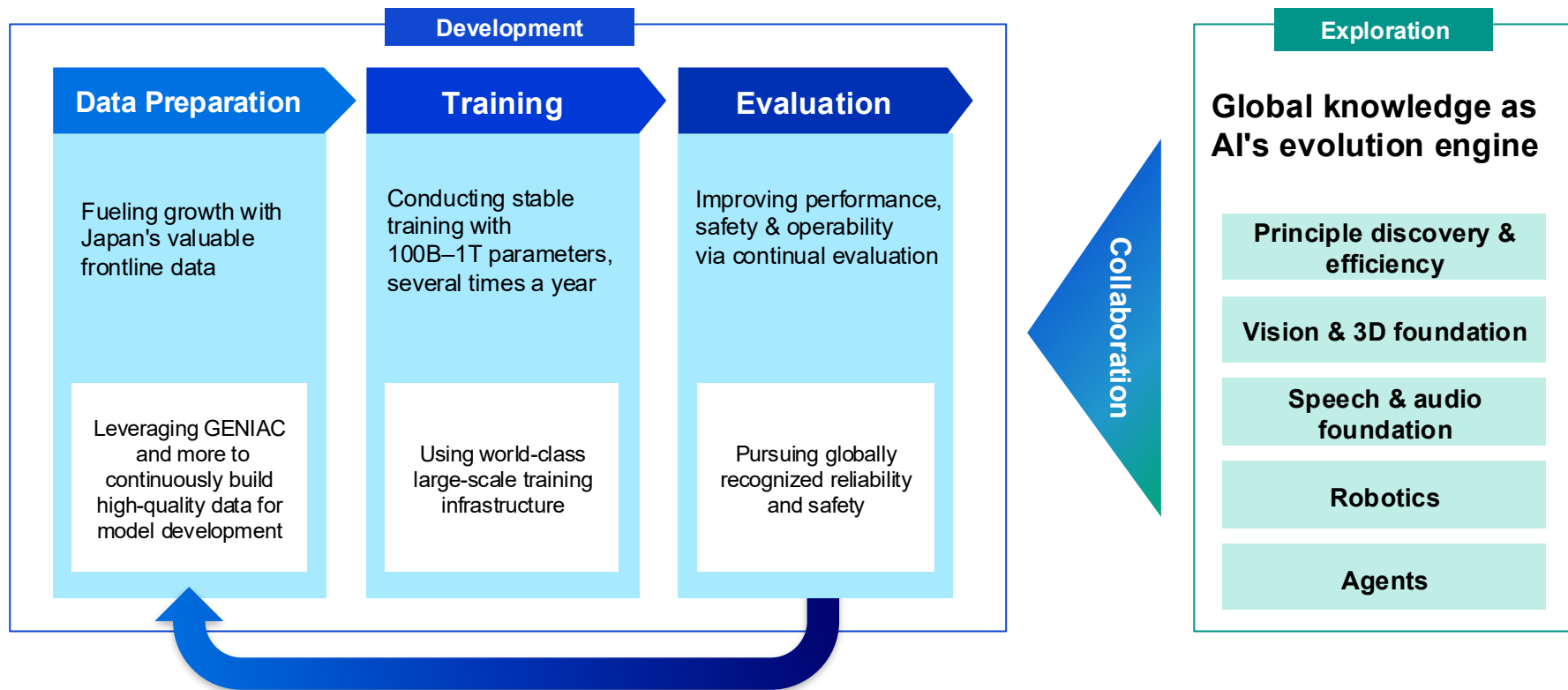
FY2029

Understand contact, force, and other physical interactions

FY2030

Toward AI that completes frontline tasks without being taught

Toward AI that incorporates global knowledge & evolves yearly



Advancing cutting-edge AI research with top researchers worldwide



Five Research Areas

Principle discovery
& efficiency



Daisuke
Okanohara



Vision & 3D



Yoshihisa Ijiri



Speech &
audio



Shinji Watanabe



Robotics &
digital twins



Yukiyasu
Domae



Agents



Graham Neubig



Contributing **cutting-edge academic research** & **foundation model development**

Principle
discovery
& efficiency



Daisuke Okanohara

Theoretical foundations for next-generation AI

Stable, domain-independent knowledge acquisition & transfer

Vision & 3D



Yoshihisa Ijiri

Integrating language with images and video

Physically consistent images & video from language

Speech & audio



Shinji Watanabe

Fair, intelligent audio and multimodal AI

A waveform-signal foundation model using low data volume

Robotics &
digital twins



Yukiyasu Domae

Collaborative VLA for human-robot teamwork

Solving Diverse and Complex Real-World Tasks Through Human-Robot Collaboration

Agents



Graham Neubig

AI agents for the Physical AI era

Language generation that acts in real & virtual space

Mission

Unleash Human Potential with AI,
Create Enduring Value, and Move the World Forward

Vision

Build Trusted Infrastructure to Drive the
Transformation of Industry and Society

Value

Challenge. Connect. Grow

Challenge with
Curiosity

Co-create
Beyond Borders

Grow with
Humility

To realize Physical AI, we are building a world-class,
multimodal foundation model to keep Japan at the forefront of industrial competitiveness



To realize this endeavor together,
we are broadly seeking those who can join us in research and development



Noetra

