

CONNEXUS | 2026
black sea tech forum



**EMBASSY OF JAPAN
IN BULGARIA**

Japan's AI Robotics Strategy and Bulgarian Cooperation

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Challenges Facing Japan

1 Aging population
And low birthrate

-0.56_{mil}
2025 to 2026

2 Labor shortages

-0.20_{mil}
2025 to 2026

Increasing demand
for Robot-based labor

AI robotics roadmap

in Mar 2026

Goal Setting

2030



2040

Short term

Mid-Long term

Arm

Simple



Complex

Finger



Leg

Goal:
by 2040

30%

World market share

10mil.

AI robots

Automation (Robot) Sector

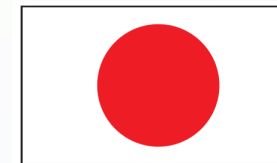
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2030 → 2040

Picking
Molding
Processing
Painting

Assembling
Packaging

* Fanuc



Accuracy
Speed
Endurance

* Mujin



3D vision
Motion planning



Logistic Sector

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2030 → 2040

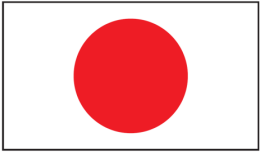
Picking
Palletizing
Loading and unloading

Corresponding
Various size of packaging




* Skilled worker

Top-tier talent
for IT,
Automation


* Kyowa Europe
Pulse roller (roller conveyer)
Smart Control
Speed and movement

Smart City

Sector (Monitoring infrastructure)

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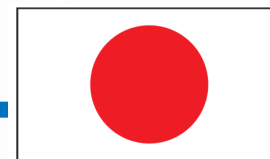
2030



2040

Regular monitoring
Equipment maintenance

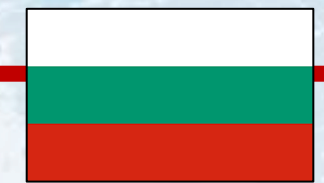
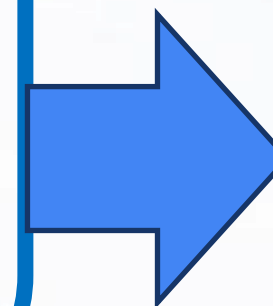
High-level monitoring
Equipment management



* **Asia air survey**

**Analysis of
Spatial info**

Investment



* **Dronamics**

**Use Drones for
Measurement,
Inspection, Recording**

Smart Agriculture Sector

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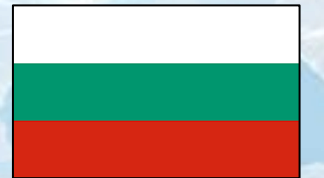
2030 → 2040

Transport
Harvest



Cultivation management

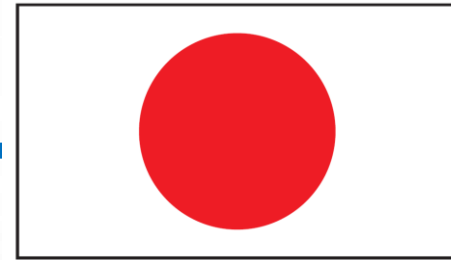
*EnduroSat



Information Gathering
and Analysis from space

The Synergy

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Tsukuba University
Toyota
Start-ups
Fanuc



GATE
INSAIT
EnduroSat
Mujin

$$1 + 1 = \infty$$



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IN BULGARIA

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Thank you
Благодаря
ありがとうございました

