



Punggol Digital District Physical AI Testbed: What The New Robot Trials Cover

Description

Punggol Digital District is becoming a public testbed for Physical AI, the category of AI systems that has to move through real spaces rather than just answer prompts on a screen.

JTC says the testbed will be Singapore's first multi-operator public-area Physical AI testbed and is expected to begin later in 2026. The work involves IMDA, JTC, SIT and industry players including Certis, DHL, Grab and QuikBot.

What Will Be Tested

The stated use cases include food and parcel delivery, security and cleaning. That means the district is not just testing one robot in a showroom; it is preparing for several operators to move autonomous systems through a shared public environment.

Knowledge partners include FieldAI and Thoughtworks, while robotics partners named by JTC include Slamtec, Unitree and QuikBot. The point is to understand deployment, safety and operational integration before scaling.



Punggol Digital District brings businesses and SIT into one district environment.

Why Punggol Digital District Fits

PDD is a 50ha district planned around JTC business space, the Singapore Institute of Technology campus and shared public areas. That mix gives testbed operators offices, campus users, visitors and open paths in one place.

For property watchers, the testbed is another sign that PDD is being positioned as a working innovation district rather than a conventional office park.



The district's public spaces make it a testbed for autonomous services.

What To Watch Next

- Whether trials cover only defined paths or broader public zones.
- How autonomous delivery and cleaning services interact with pedestrians.
- Whether tenants and SIT users get access to service trials first.
- How JTC and partners communicate safety rules before the testbed begins.
- JTC's [Physical AI announcement](#) sets out the partners and use cases.

Location Notes

- [Punggol Digital District](#)

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