



**Asia-Pacific
Economic Cooperation**

2024/TPTWG/AEG/TM1/005

Agenda Item: 2.4

The Adoption of Agricultural Drones and Technology in Thailand

Purpose: Information
Submitted by: Thailand



**Thematic Session on Unmanned
Aircraft Systems: Flightpath to the
Future
9 April 2024**



Asia-Pacific
Economic Cooperation

The Adoption of Agricultural Drones and Technology in Thailand

Drones in Thailand

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April 09, 2024



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Dirty

freepik



Demanding

freepik



Dangerous

QUOTE



“เชฟแกเคยบอกไว้ว่า
แม้แต่อาหารที่หรูหราก็สุด
ก็ยังคงสร้างมาจากวัตถุดิบ
ที่มีคนดูแลเป็นชนชั้นแรงงานเสมอ”

டன் - HUNGER คนหิว เกมกระหาย

Hunger

The chief once said, "Even the fanciest meals always have something in them that's been cultivated by the working class."

Trends

1. Labor Shortage

2. Aging Society

3. Urbanization

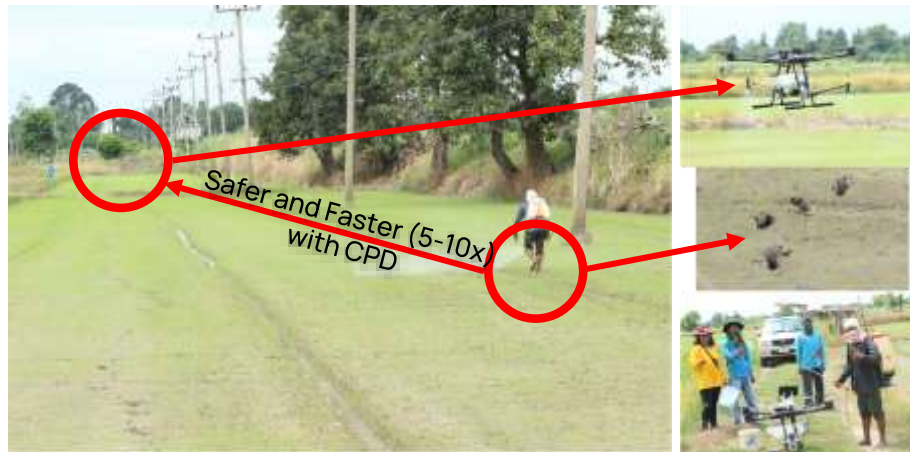
4. 3D Tasks

5. Massive Adoption



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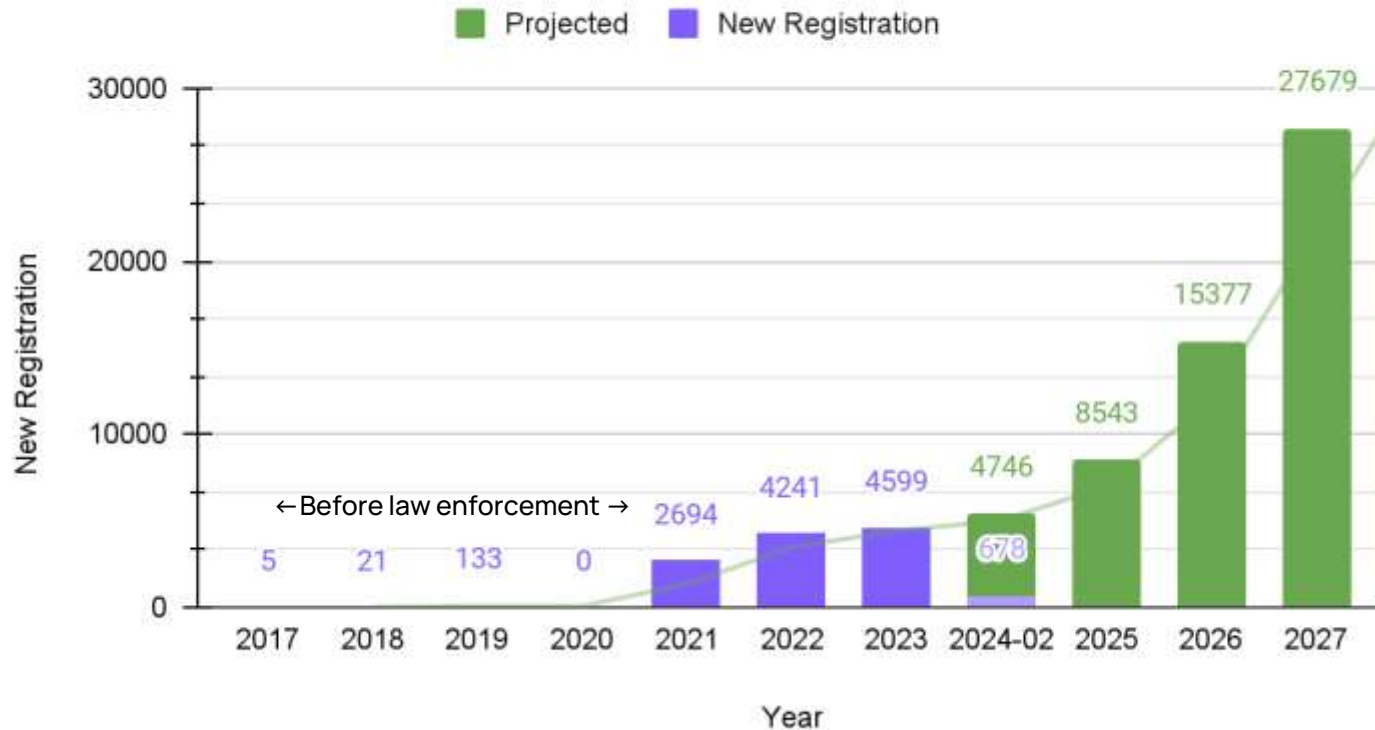
The adoption of Crop Protection Drones (CPD) has seen a significant increase globally, offering a 5-10 times performance improvement and eliminating manual tasks, leading to an attractive return on investment (ROI)."



Life Threatening Tasks

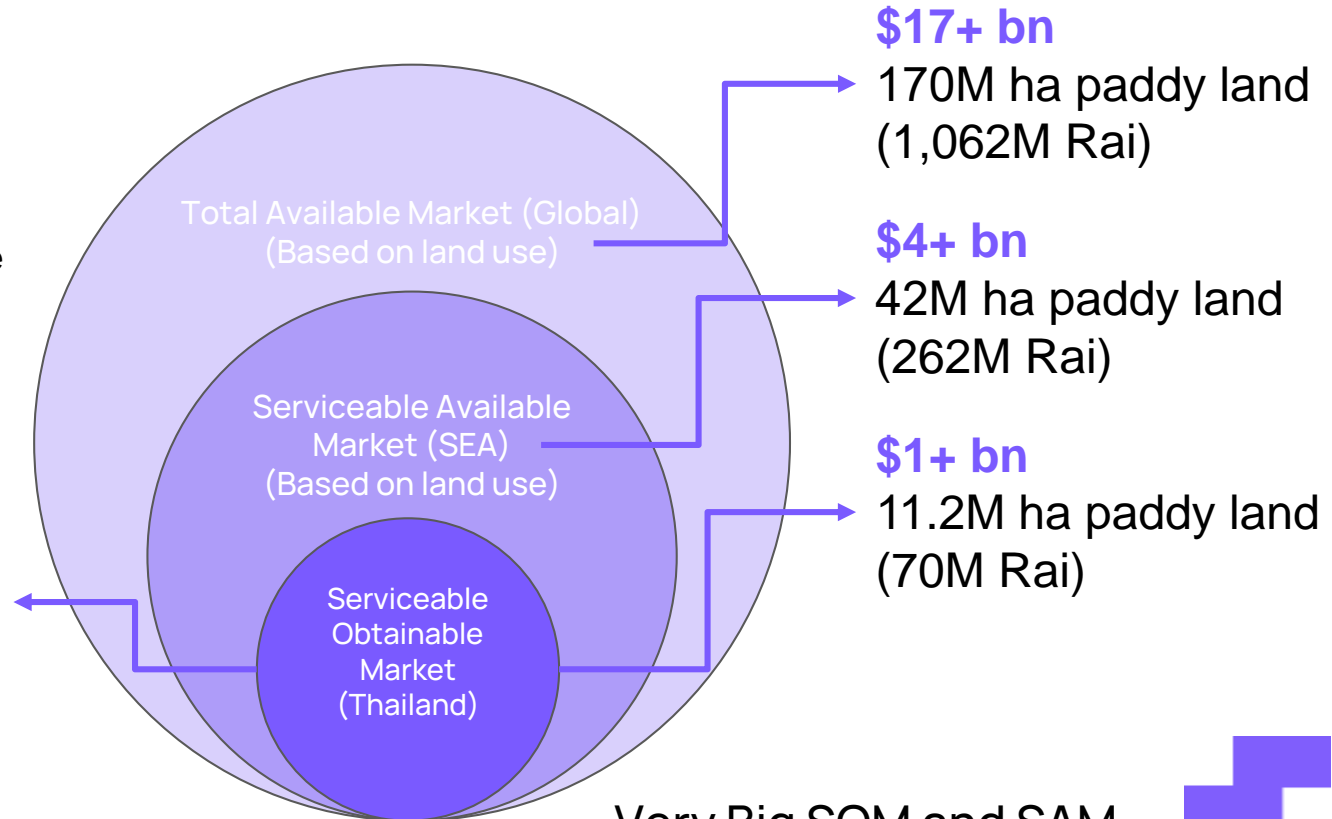
In Thailand

Agricultural Drone Registration as of Feb 15, 2024 (NBTC)

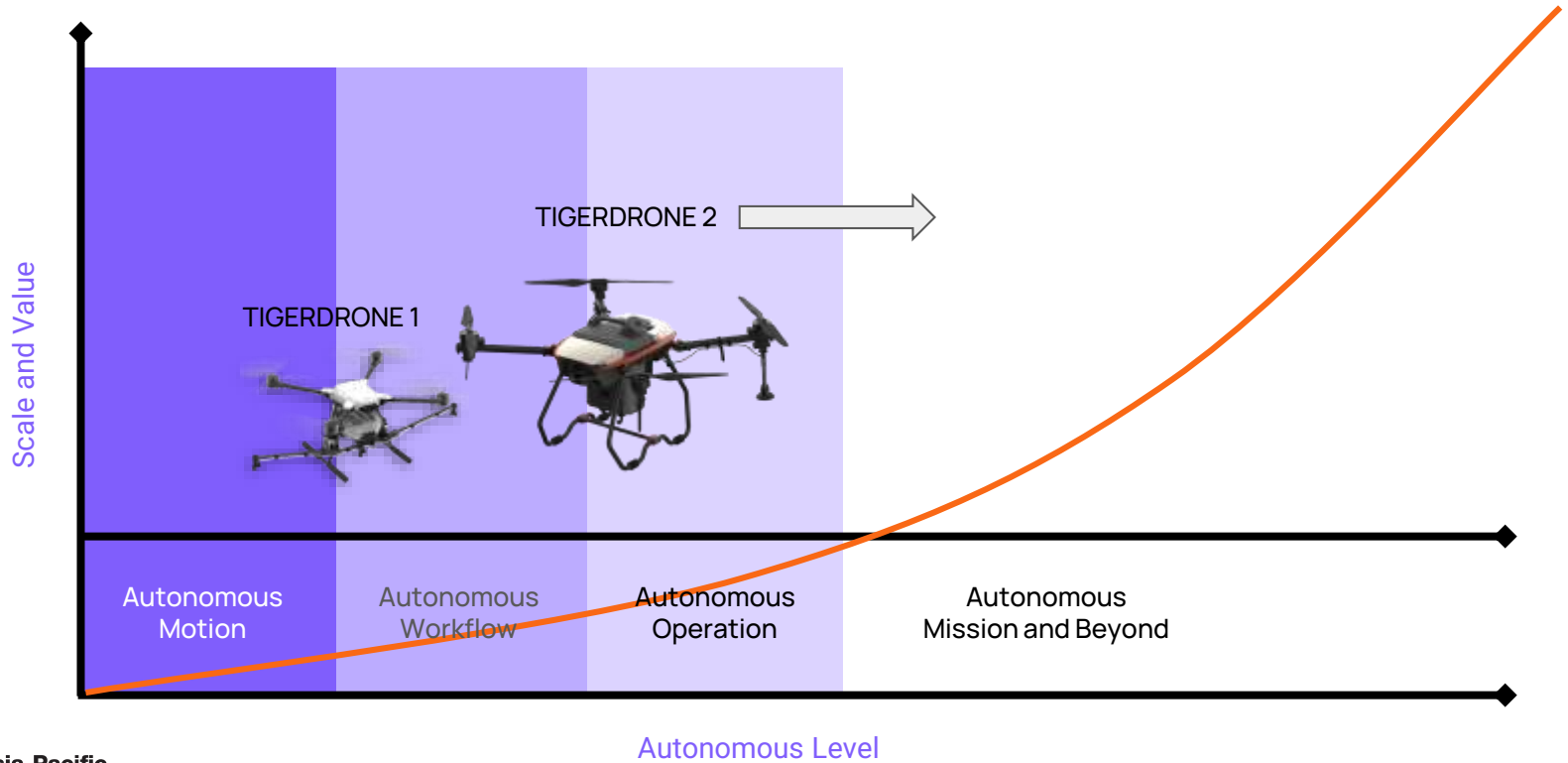


Size Validation

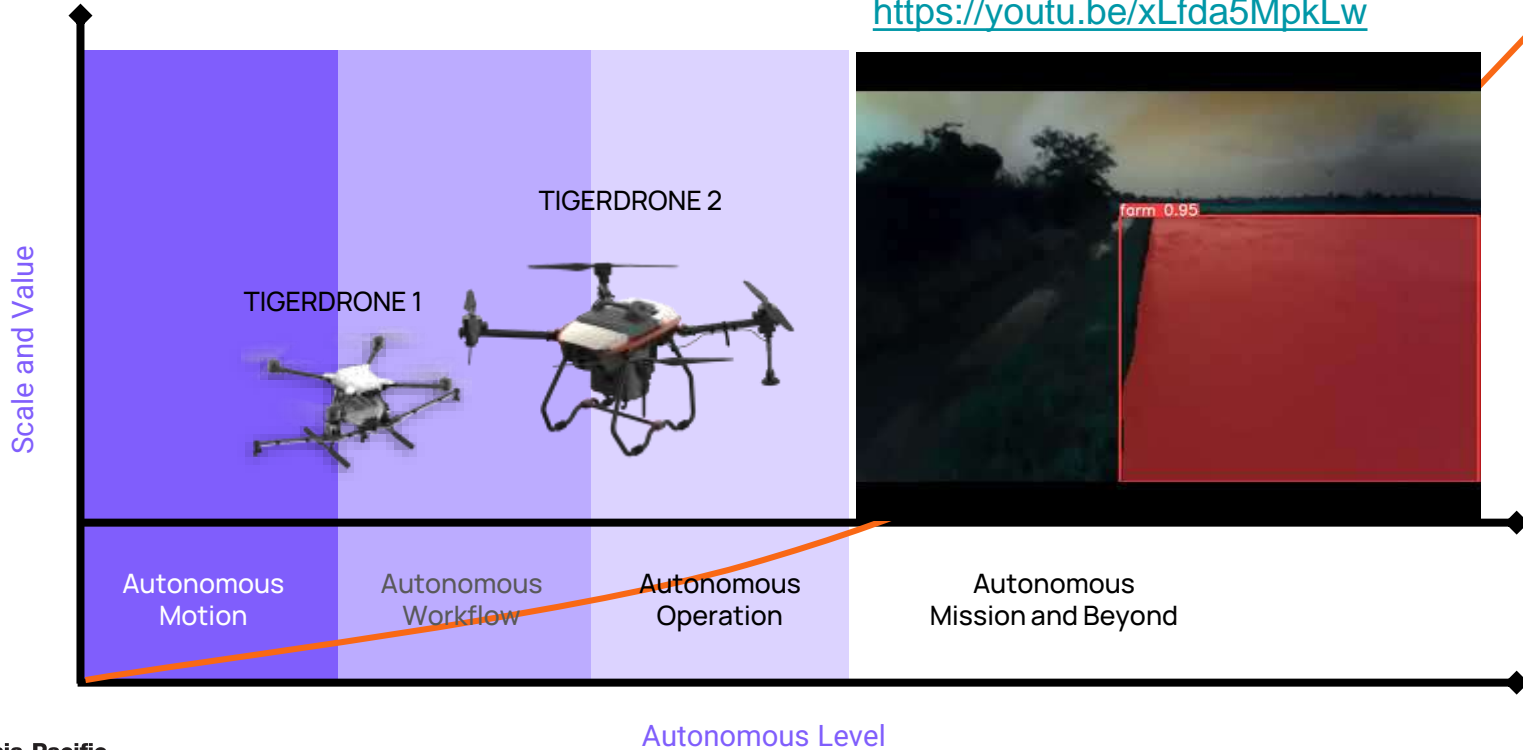
- Thailand represents a large agricultural share in global market with estimated of more than **100,000** drones needed for paddy land in the near future
- At around \$10,000 per set, **\$1B+** is a SOM for only hardware need in **Thailand**
- Adding sales, services, support, spare parts, and replacement, Thailand potential for agricultural drone market is **beyond \$1B**

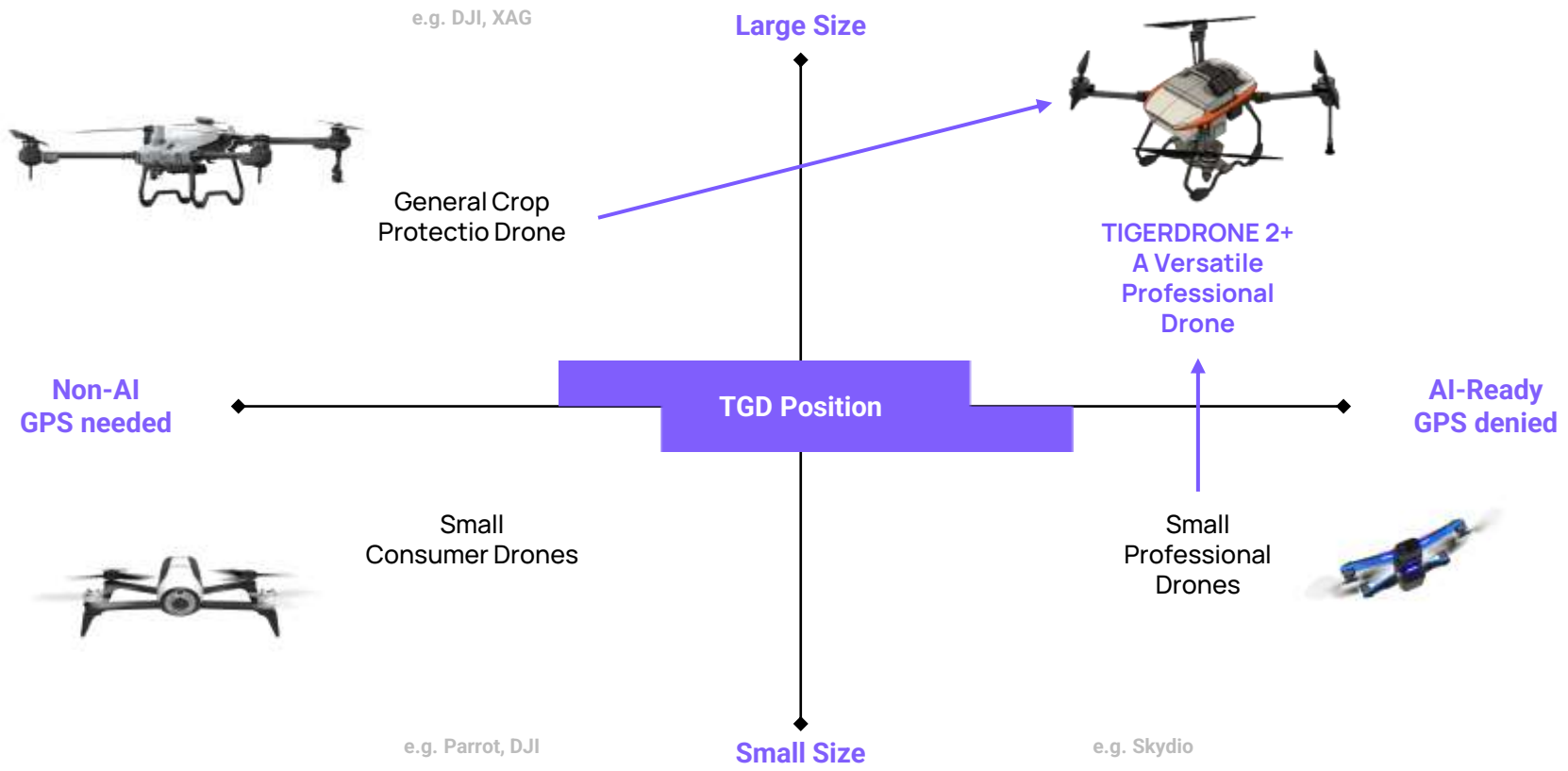


Technologies Timeline



Technologies Timeline







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