Specification / Feature

Name : botbox
Size(mm) : 1420*730*680
Cargobed Size(mm) : 1140*560*150
Battery : Li-ion 7S16P 80Ah
Charging Method : 100~240V

Load(kg) : 200
Usage Time(h) : 7
Charging Time(h) : 6
Speed(km/h) : 4
Climbing Angle(º) : 20

Narrow Passage	Warning Sound	Delivery Mode
Controller	Follow Mode	Easy Charging
Eco-friendly	Free Warranty	Labor / Time saving

▶ botbox Maunal

botbox
Green Smart Farm Modular Mobility

KAT 한국농업기술진흥원 Korea Agriculture Technology Promotion Agency
HYUNDAI
KAIST
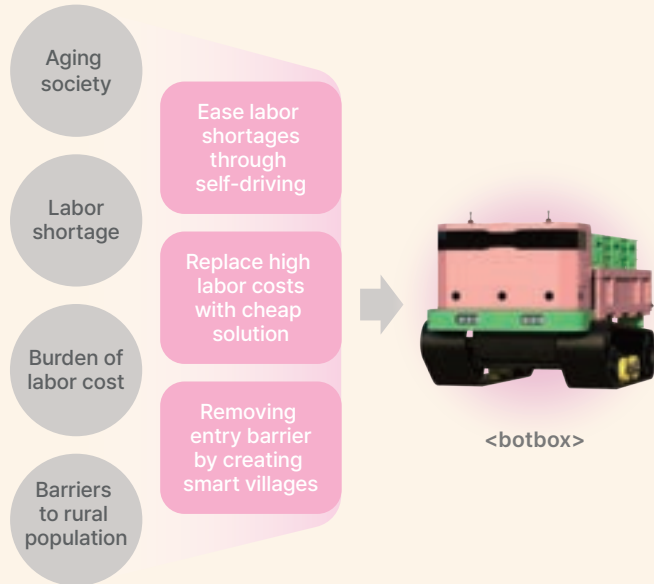KEITI 한국환경산업기술원
ETRI 한국전자통신연구원
KINGSLEY VENTURES

botbox

Rural Community Social Solution

- Aging society
- Labor shortage
- Burden of labor cost
- Barriers to rural population

- Ease labor shortages through self-driving
- Replace high labor costs with cheap solution
- Removing entry barrier by creating smart villages

<botbox>

Solution for rural communities challenge

- Alternative solutions for an aging society
- Removing barriers to entry for young peple

Labor-saving

- 2 Track work of harvest and carrying
- 1/3 Reduction in workforce

Economic efficiency

- 25$/day, per person, 1/3 cost reduction
- Change the 3-person, 1-team transport system to a 1-person, 1-team system
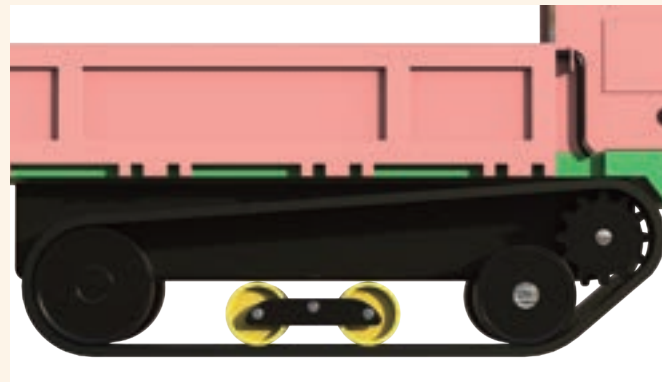
Key Technology

Self-driving

botbox creates autonomy in the transportation process on farms. Autonomous transport enables transportation of various situations such as workplaces-warehouses and worker A-worker B.

Catepillar

USV in the form of propellers and boats and wheel-type mobility on the ground are limited in use. However, we use own Caterpillar wheels, allowing safe driving in rough and amphibious areas.
So, it minimizes limit for robot utilization.

Eco-friendly

Using a high-voltage batteries, it minimizes vibration and noise and is eco-friendly.

Key Technology

Autonomous following

botbox is a movable vehicle, not a stationary one.
It can follow the user and load the harvest immediately.
Therefore, it reduces the labor and time required for fast transportation and movement of loads.

Automatic driving

botbox can minimize the economic and physical burdens caused by human labor. Its easy controller operation ensures a user-friendly experience. It can move such as forward/rearward/turn, and it operates efficiently in a narrow space through in-place rotation.

Triple safety system

botbox features a triple safety system with obstacle detection, an emergency stop button, an anti-accident bumper that immediately stops in case of a frontal collision.