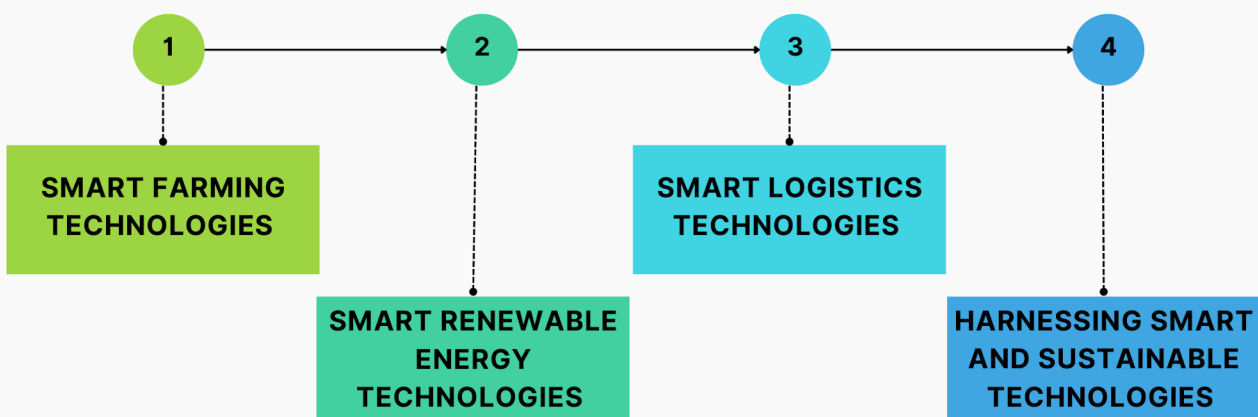


SMART TECHNOLOGIES: SMART SOLUTIONS FOR MEKONG COUNTRIES



In response to the challenges faced by the agriculture sector in the Mekong countries due to the COVID-19 pandemic, the Mekong Institute (MI) initiated a project on Sustainable and Smart Agricultural Supply Chains Development. The project supported by the Government of Republic of Korea through the Mekong-Korea Cooperation Fund (MKCF) promote the digital transformation of the sector and address issues such as ineffective production, energy inefficiency, and inadequate logistics management.

The project, implemented from December 2021 to May 2023, introduced smart agricultural, logistic, and renewable energy technologies. By applying these advanced technologies, the project improved productivity, quality, and postharvest losses in agri-food businesses, as well as optimize energy use and enhance logistics management in agriculture supply chains.





SMART FARMING TECHNOLOGIES

- Agricultural Drones
- Internet of things (IoT)



SMART RENEWABLE ENERGY TECHNOLOGIES

- Smart Solar Roof Technology
- Wind Power Technology
- Tidal Hydrokinetic Energy
- Electric Forklift for Agricultural Warehouse
- Biomass energy



SMART LOGISTICS TECHNOLOGIES

- Liquid Nitrogen Quick Freezer
- Smart Reefer Containers
- Warehouse Drones
- Autonomous Mobile Forklift
- Autonomous Mobile Robot
- Multipurpose Autonomous Patrol Robots



HARNESSING SMART AND SUSTAINABLE TECHNOLOGIES

Harnessing smart and sustainable technologies can help mitigate environmental impacts, optimize resource utilization, increase revenue, and enhance the quality of products

Testimonial

"After attending the capacity development program on Sustainable and Smart Farming Technologies, I abled to share knowledge with mushroom farmer group and several private agribusinesses in Bago region, Myanmar. Our aim is to continue improve and sustain mushroom cultivation by making use of the benefits of smart technologies. We have seen the potential for further development in mushroom cultivation and the application of smart farming technologies in this region. Once the basic infrastructure needs are met and these technologies are in place, we can enhance productivity, improve livelihoods, and contribute to the sustainable development of the agricultural sector in the region."

- Mr. San Min Tun, Freelance Agribusiness Researcher