5G O-RAN：Optimizing Efforts in the Production and Sale of Agricultural Products

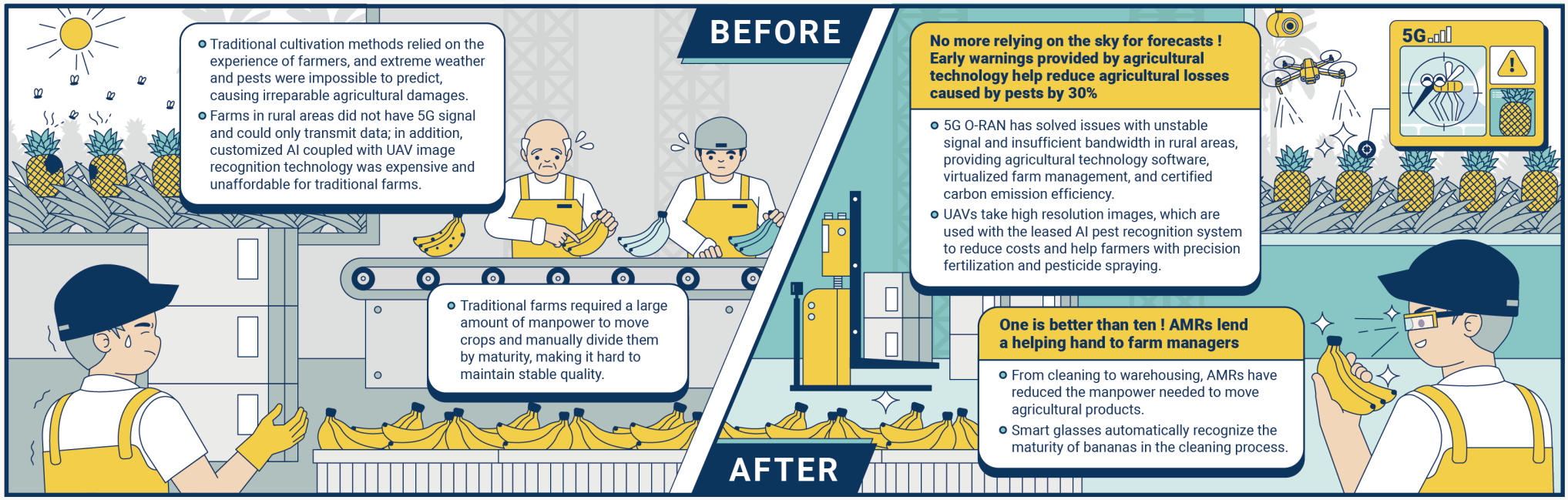
Integrate All-Round Green 5G Private Network AIOT Smart Agricultural Applications and Plan Global Market Promotion

The imbalance between production and sales as well as labor shortages in agriculture have always been massive challenges for farmers. A 5G O-RAN standalone private network has allowed the effective implementation of an affordable smart agriculture system via a leasing model, and established a smart farm production management platform combined with UAV and image recognition, among other information and communication technologies.

Project Results

#Increased Operational Efficiency and Income | Improved efficiency through automated mobile robots (AMR). Increased the overall revenue of farms by 15% using AI and 5G technologies.

#Promoted the Industry's Net Zero Transition | Obtained the international certification for carbon emissions in the key role of agriculture in ESG through new applications of 5G private networks.



Key Technology #5G O-RAN #UAV #Smart Glasses **Technology Unit** LEADTEK RESEARCH, INC. **Domestic Trial Site** Pingtung county