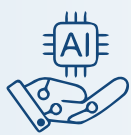




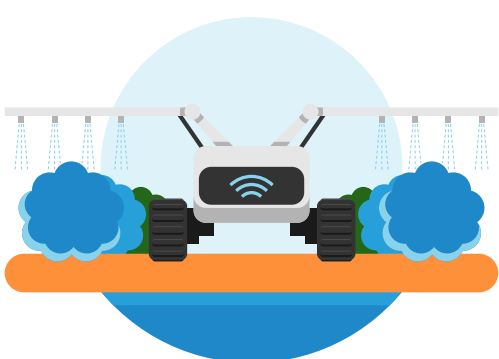
## How Saudi Arabia Is Using Technology to Solve Its Food Security Crisis?



Saudi Arabia is investing **\$70Bn by 2030** to transform its agri-production landscape through innovation — from hydroponics and vertical farms to robotics and AI-powered imaging. This is the future of food security, built on efficiency, precision, and sustainability.

### LATEST DEVELOPMENTS IN AGRI-TECH KSA

Advancing agri-tech in ksa focusing on innovations driving efficiency, sustainability and food security

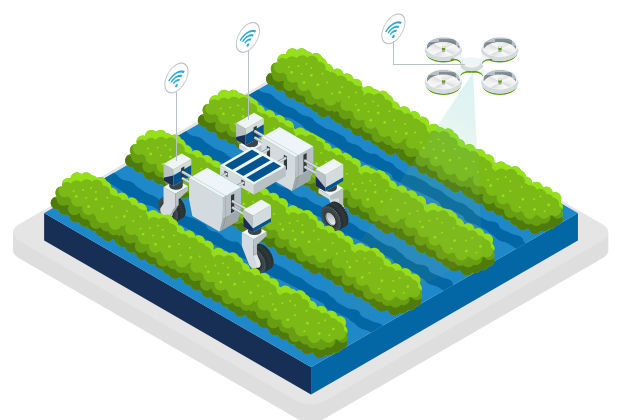


#### Drones & Aerial Imaging

Drones are revolutionizing Saudi agriculture by enhancing efficiency in crop monitoring, soil assessment, spraying, and irrigation. They reduce labor-intensive tasks, accelerate decision-making, and ensure higher productivity

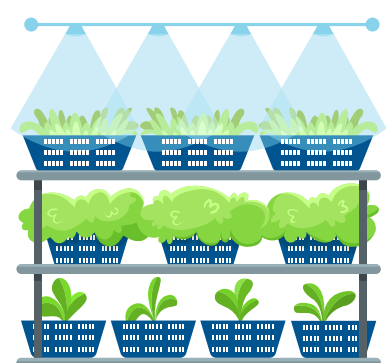
#### Controlled Environment Agriculture (CEA)

Controlled Environment Agriculture is transforming farming with technology-driven climate control to maximize yields and reduce pests. Key innovations like solar panels, LED lighting, and climate systems are driving opportunities for advanced agricultural solutions



#### High-tech Greenhouses

Vertical farming is gaining momentum in Saudi Arabia as demand for fresh greens rises. The Agricultural Development Fund is investing \$220 million in high-tech greenhouses, including vertical farms, from 2021 to 2025

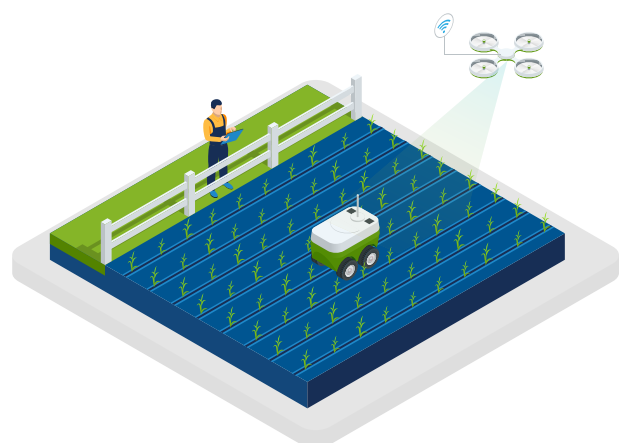


#### Agriculture Science Schools

Saudi Arabia has 25 agricultural schools, including top institutions like King Saud University, King Fahd University, and KAUST. These schools equip students with advanced farming techniques, creating opportunities for agri-tech suppliers to collaborate and drive innovation in the sector.

#### Hydroponic Efficiency

Hydroponic farming, using solar-powered desalination and LED lighting, boosts yields while cutting growth cycles by up to 50% and reducing pests. As Saudi food demand grows, so will the need for solar panels, LED lighting, and hydroponic technologies.



Talk to Frost & Sullivan's Agri & F&B Strategy Experts Discover where the real white-space lies in KSA's AgriTech, smart farming, and food security value chain.

For more information, e-mail – [meenquiries@frost.com](mailto:meenquiries@frost.com)