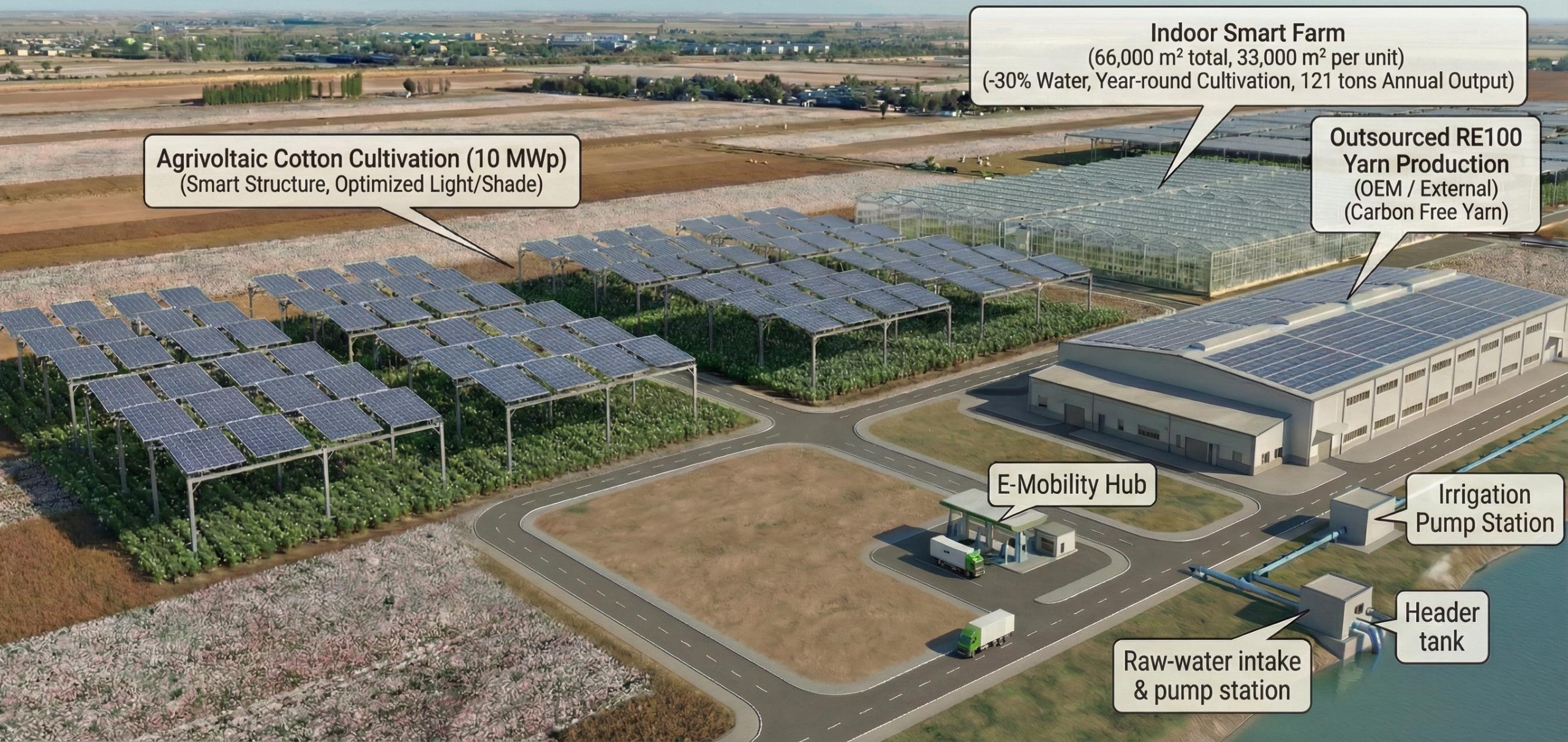


Uzbekistan Carbon Free Green Cotton Agrivoltaic Nexus



Agrivoltaic Cotton Cultivation (10 MWp)
(Smart Structure, Optimized Light/Shade)

Indoor Smart Farm
(66,000 m² total, 33,000 m² per unit)
(-30% Water, Year-round Cultivation, 121 tons Annual Output)

Outsourced RE100 Yarn Production
(OEM / External)
(Carbon Free Yarn)

E-Mobility Hub

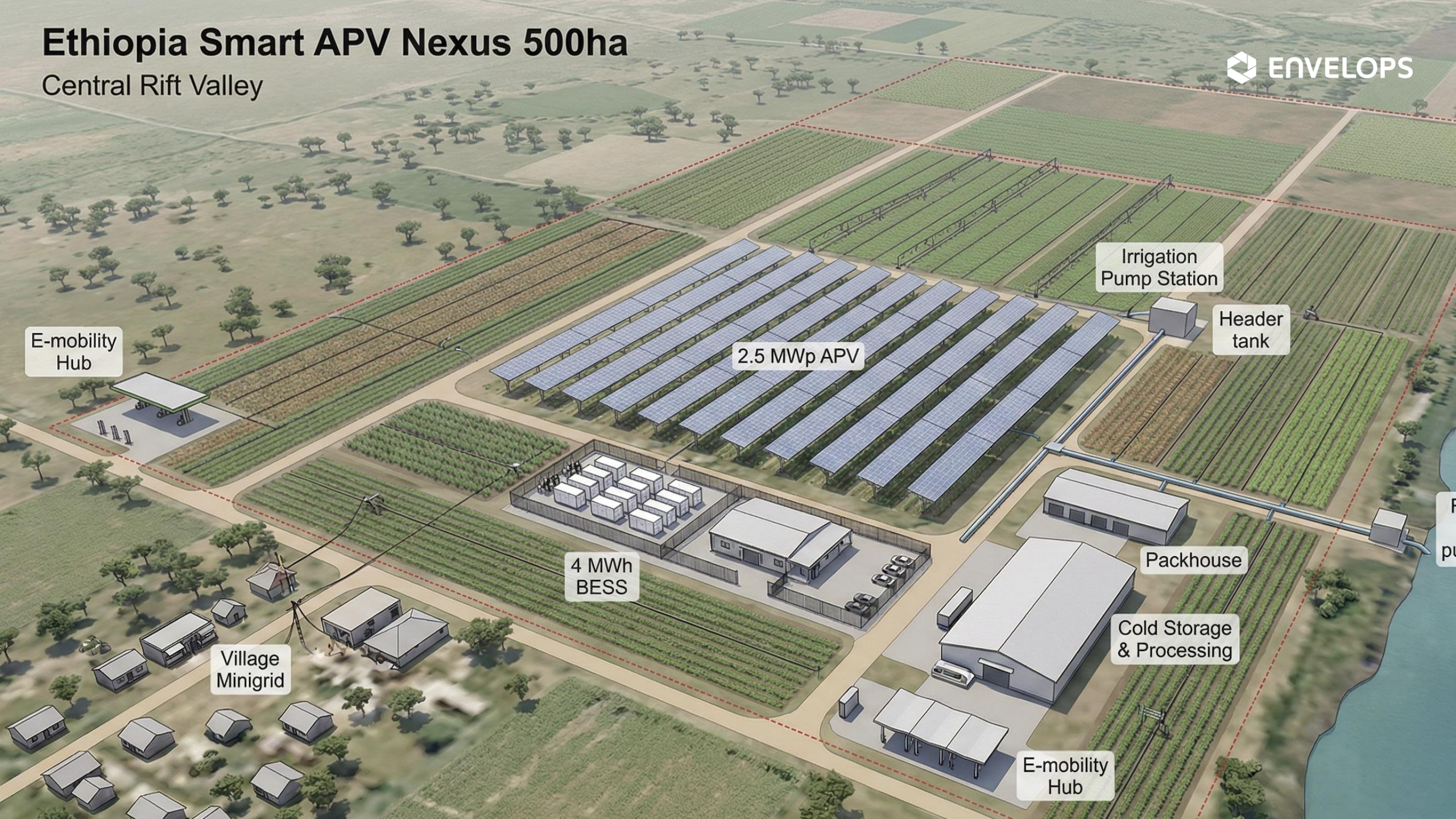
Irrigation Pump Station

Raw-water intake & pump station

Header tank

Ethiopia Smart APV Nexus 500ha

Central Rift Valley



E-mobility Hub

2.5 MWp APV

Irrigation Pump Station

Header tank

4 MWh BESS

Packhouse

Cold Storage & Processing

Village Minigrid

E-mobility Hub



FIJI (GCF)



INDONESIA



VIETNAM



JAMAICA



KOREA (19 sites, 2.2 MW)





ENVELOPS



AI analysis on crop yield and power generation



Optimizing microclimate for crop by changing panel angle



 ENVELOPS - INDONESIA



ENVELOPS INDONESIA AGRIVOLTAIC NEXUS



Max-Generation Mode for Non-farming Season, Max-Yield Mode for Farming Season

Agrivoltaics ▶ Key Infrastructure for Future Agriculture



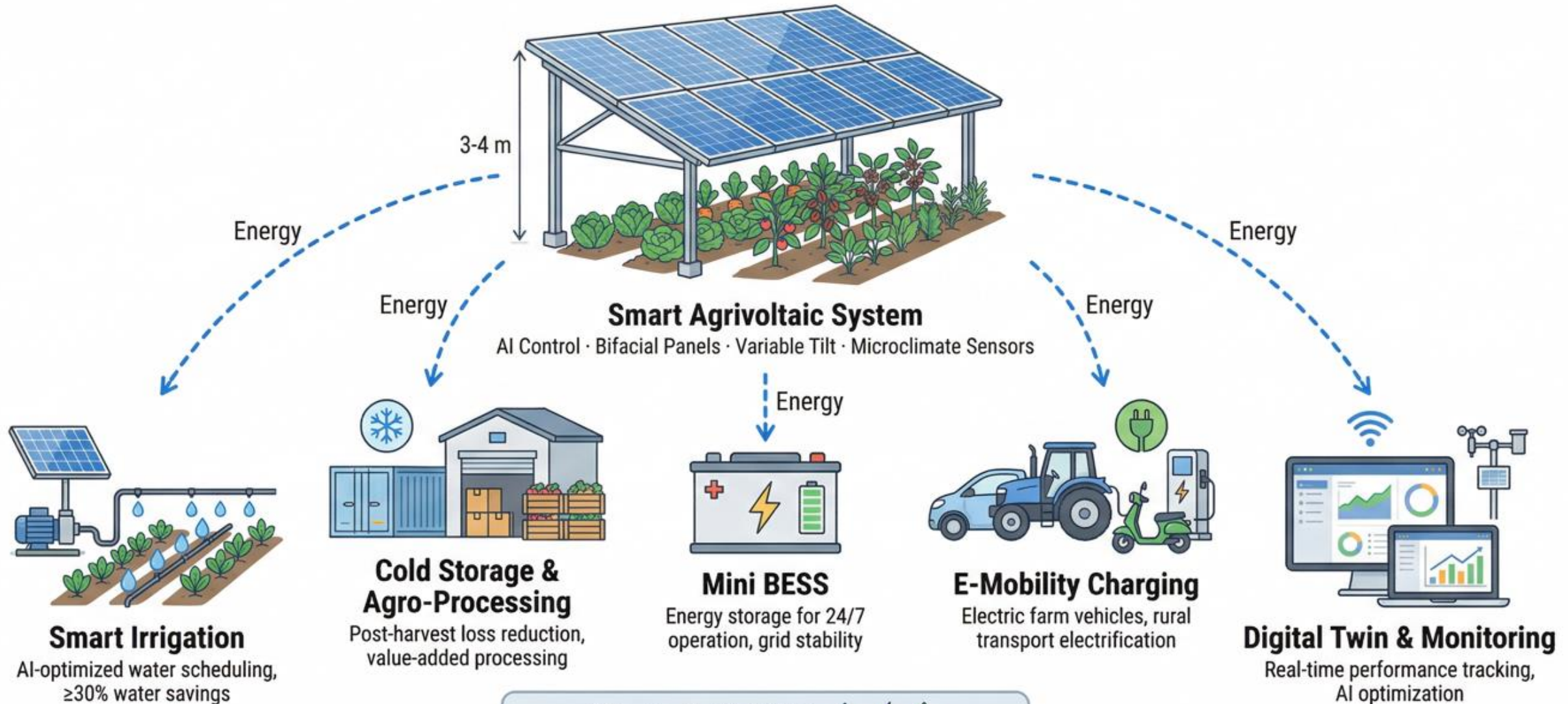
(Source: agRE.tech)



(Source: agRE.tech)

Agrivoltaic Farming with Robots and Autonomous Electric Mobility

ENVELOPS Smart Agrivoltaic WEF Nexus Model



W · E · F NEXUS 
Water-Energy-Food Integration for Climate-Resilient Agriculture