



Smart Greenhouses Powered by AI

Turnkey greenhouses, smart irrigation and
climate control, built for Lebanese farms

Construction • Landscape • Irrigation • Maintenance



Farming in Lebanon is getting harder



Water is scarce and costly

Timers over-water in winter and under-water in a heatwave.



Heat and humid nights

Summer heat stresses the crop; humid nights bring blight and mould.



Power cuts

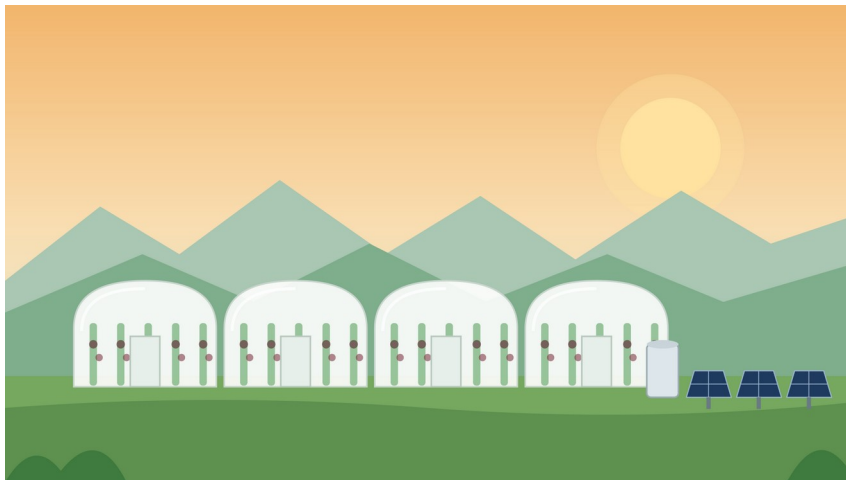
When the power goes, the pump stops, and so does the harvest.



Daily checks

Someone has to open vents, water and feed every day, on time.

What Ardora builds for you



One team, one contract: we design, build, automate and look after the greenhouse.



Greenhouse structure

Galvanized steel tunnels, UV film, insect nets, shade nets



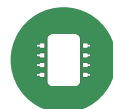
Smart drip & fertigation

Wilco twin-pump station, even watering and feeding by drip



Climate control

Roll-up sides, circulation fans, fogging, motorized shade



AI controller & sensors

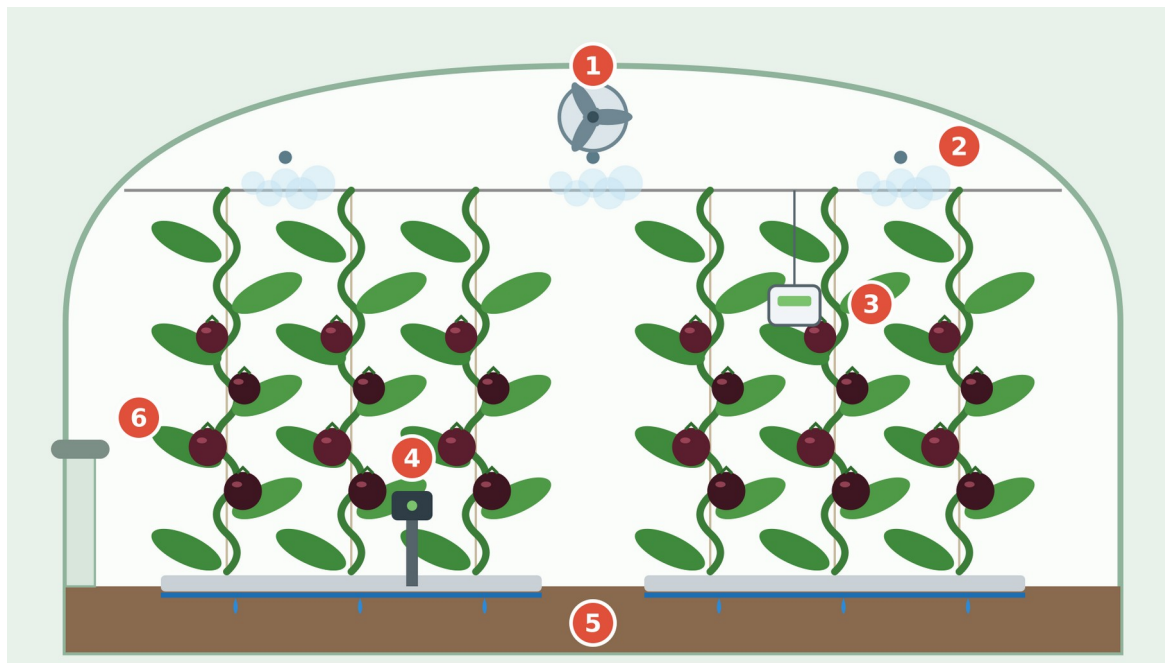
Soil, air, light and weather sensors feeding one smart brain



Solar power & 4G

Keeps running through power cuts, reachable from anywhere

Inside an Ardora smart greenhouse



- 1 Circulation fans**
Move air to stop leaf disease
- 2 Fogging nozzles**
Cool by up to 7 °C in summer
- 3 Climate sensor**
Temperature and humidity at crop height
- 4 Soil sensor**
Moisture and feeding level at the roots
- 5 Smart drip line**
Water and nutrients straight to each plant
- 6 Roll-up sides**
Open and close automatically

Shown: Black Beauty tomatoes, trellised on overhead wires

How the AI runs your greenhouse



Sense

Sensors read soil, air, light and weather every few minutes



Think

The AI compares the readings with the crop's needs and tomorrow's forecast



Act

It opens valves, runs fans, fogs or closes the shade, automatically

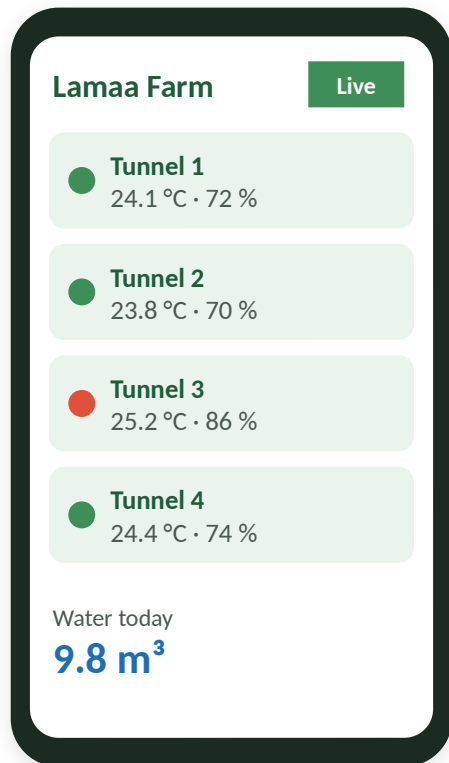


Report

You see everything on your phone and get WhatsApp alerts

It learns each greenhouse over time, so every season it waters and cools more precisely.

Your greenhouse in your pocket



Ardora AI • WhatsApp

Tunnel 3 humidity reached 86%. Fans and side vents started automatically. It will be back to 75% within 30 minutes.

How is tunnel 2 today?

Ask it anything, in Arabic or English

- Live readings for every greenhouse
- Alerts for heat, frost, leaks and disease risk
- Water and fertilizer reports each month
- Manual override with one tap

Designed for Lebanese conditions



Solar + battery

The pump and controller keep working through power cuts



Works offline

The controller runs on site even when the internet drops



4G anywhere

Alfa or Touch SIM, so the farm is reachable from anywhere



Ready for summer

Fogging, shade nets and vents hold 22–26 °C



Storm protection

The weather station closes the sides in wind and rain



Import-compliant

European and US equipment, legal to import into Lebanon

What a smart greenhouse gives you

Up to 40%

less water

Sensor-based watering compared with fixed timers

24/7

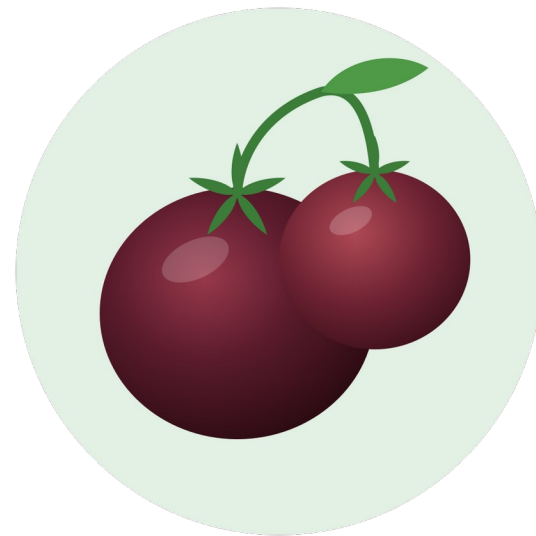
monitoring

Alerts before a problem becomes a loss

1 app

for every tunnel

Climate, water, feeding and reports in one place



Black Beauty: a premium dark tomato that sells above standard varieties

Results vary by site, crop and season.

Choose your system

Ardora Pro

Proven Dutch controller

- ✓ Ridder HortiMaX-Go! controller (Netherlands)
- ✓ Climate, irrigation and fertigation in one unit
- ✓ Phone app and remote access
- ✓ Dealer-backed equipment warranty

Ardora Smart AI

Learns and predicts

- ✓ Ardora's own AI system, with Siemens control
- ✓ Uses the weather forecast to plan ahead
- ✓ WhatsApp assistant in Arabic and English
- ✓ Branded Ardora dashboard, local support

Both include the greenhouse, drip and fertigation, climate control, solar backup and installation.

From first visit to first harvest



1. Site survey

Land, water, power,
signal



2. Design & quote

Sized to your crop



3. Build

Structure, film, nets



4. Install & program

Water, climate, AI



5. Plant & tune

First 6 weeks fine-tuning



6. Monthly care

Monitoring and
maintenance visits

Typical delivery: 6–8 weeks from order to planting.



ARDORA

Let's grow together

Book a free site survey and get a greenhouse designed for your land and your crop.

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