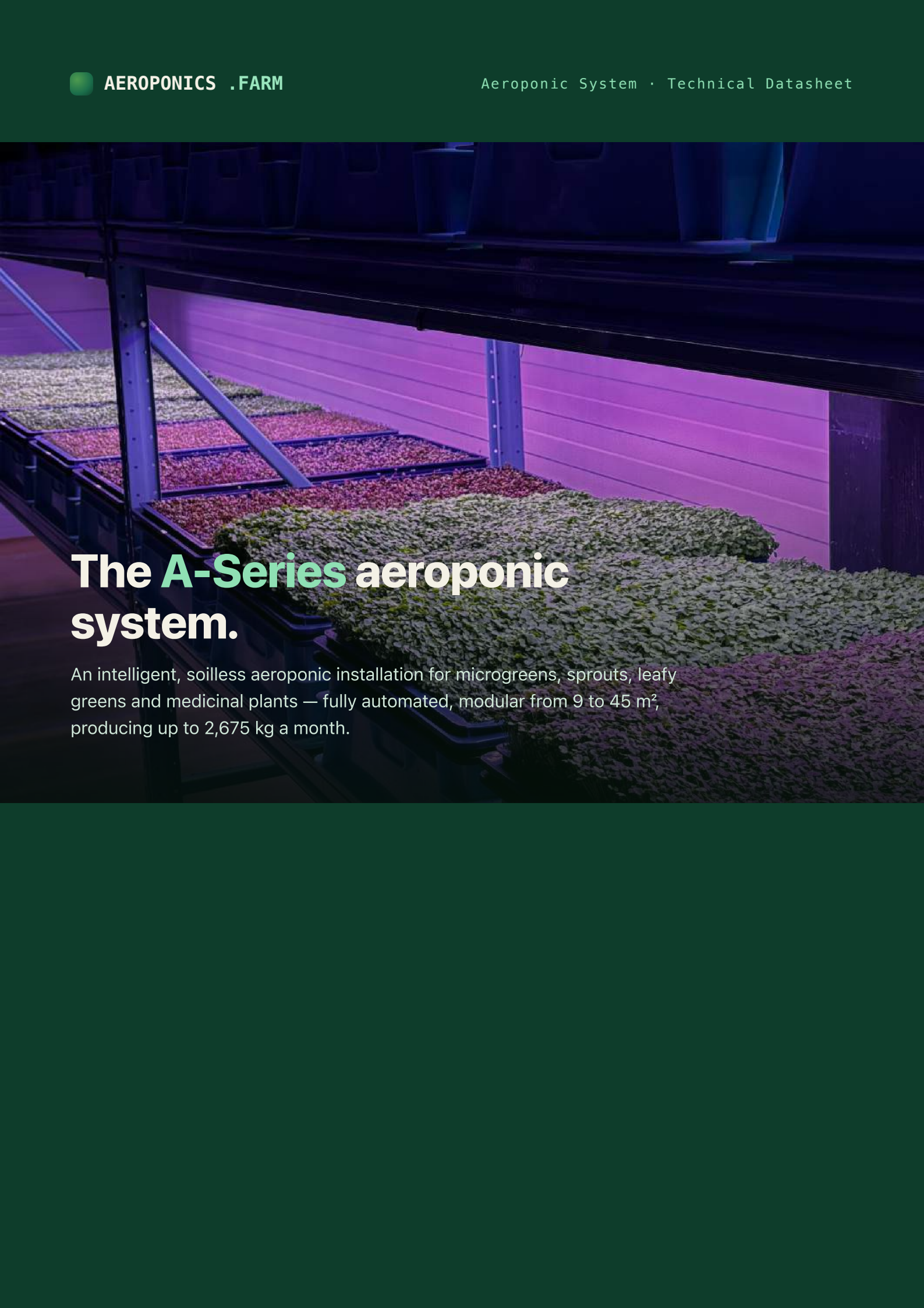




The **A-Series** aeroponic system.

An intelligent, soilless aeroponic installation for microgreens, sprouts, leafy greens and medicinal plants — fully automated, modular from 9 to 45 m², producing up to 2,675 kg a month.

Sow the seed — the system does the rest

The A-Series is an intelligent aeroponic installation: roots are suspended and fed a fine nutrient aerosol, with no soil and around 95% less water than field farming. A SCADA-based controller runs irrigation, lighting, humidity, aerosol composition and CO₂ automatically. You sow the seed; harvest is the only operation that needs a person — and even that can be automated.



GROWS

Microgreens — pak-choi, tatsoi, kale, broccoli, arugula

Sprouts — buckwheat, chickpea, mung, lentil

Leafy greens & salads

Berries

Medicinal plants

Modular from 9 to 45 m²

Start with the base module and add growing modules as demand grows. Output combines microgreens and sprouts (salad mixes). CAPEX is ex-works; margin uses a production cost of ≈ \$7.7/kg and a wholesale price of ≈ \$15.3/kg (based on concluded customer contracts).

MODEL	AREA	OUTPUT / MONTH	CAPEX (EX-WORKS)	GROSS MARGIN / MO
A9 — base	9 m ²	535 kg	≈ \$66,000	≈ \$4,100
A18	18 m ²	1,070 kg	≈ \$81,700	≈ \$8,200
A27	27 m ²	1,605 kg	≈ \$99,600	≈ \$12,300
A36	36 m ²	2,140 kg	≈ \$114,900	≈ \$16,400
A45 — flagship	45 m ²	2,675 kg	≈ \$130,300	≈ \$20,500

Each additional 9 m² module ≈ \$15,300. Payback ≈ 2 years, internal rate of return ≈ 40% – actual figures depend on crop mix, local price and energy. Indicative, quoted to spec.

Technical specifications — A45

Dimensions (L×W×H) · **12.0 × 2.3 × 2.5 m**

Power · **17 kW**

Net weight · **1,300 kg**

Ambient temperature · **+10 to +40 °C**

Drive · **electric**

Growing method · **aeroponic, soilless**

Output · **up to 2,675 kg / month**

Control · **PLC / SCADA, remote**

Relative humidity · **50% at 20 °C**

Service life · **10 years**

What's in the A45, and how we support it



COMPOSITION (MAX)

- 1 x engineering module
- 10 x growing modules
- 10 x germination chambers
- 1 x control & automation module
- Passport & operating manual

AUTOMATION

- SCADA control of light, irrigation, humidity
- Nutrient aerosol & CO₂ regulation
- Remote monitoring; no specialist grower needed

INCLUDED SERVICES

- Professional installation & commissioning
- 24/7 technical support
- 24/7 dispatch-centre monitoring
- Operator & agronomy training
- Recommended spare-parts kit

HIGH-VALUE OUTPUT

- Biomass → functional powders & bioactive extracts
- Sulforaphane, anthocyanins, lutein, polyphenols...
- For pharma, nutraceutical & cosmetic buyers

AEROPONICS .FARM

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