



Services Catalog · 2026

Greenhouse design, construction & equipment

From feasibility study to installation, commissioning and handover: turnkey (EPC) delivery of commercial and industrial greenhouses.



Narvan Greenhouse

Design · Build · Equip · Install · Commission

@narvan.greenhouse

One contractor, from drawings to first harvest

Narvan Greenhouse designs, builds, equips, installs and commissions commercial and industrial greenhouses. We deliver projects on a turnkey (EPC) basis: design, procurement and construction sit under a single responsibility, so the client never has to manage separate contractors for each stage.

E

Engineering

Feasibility, business plan, structural and systems design

P

Procurement

Structure, covering, equipment and materials with an itemised estimate

C

Construction

Build, installation, commissioning, testing, handover and training

Who we work with

New investors

A realistic picture of cost, capacity and risk before you buy land or equipment

Existing growers

Expansion with new bays, structural upgrades and better systems

Farmers and orchardists

Moving from open-field to protected cropping, with a design that fits your water and land

Institutions and companies

Large-scale contracting with a clear scope of work and schedule

OUR PRINCIPLE

We check the infrastructure before any contract

Water quality and quantity (EC and salinity), power, gas, climate, land constraints and the sales market. If any of these would make the project unprofitable, we tell you plainly at the start.

Six steps to a turnkey handover

Every step ends with a written deliverable, and the next one starts only after your approval.

1**Site visit and feasibility**

Assessment of land, water quality and quantity, power, gas, local climate and target crop

2**Business plan and estimate**

Capital cost, operating costs, realistic capacity and payback, with transparent assumptions

3**Technical design**

Structure type and dimensions, covering, heating, cooling, ventilation, irrigation and boiler room

4**Procurement and structure build**

Fabrication and installation of structure and covering to drawings and schedule

5**Systems and equipment installation**

Piping, boiler room, irrigation and fertigation, ventilation and electrical

6**Commissioning, testing and handover**

Full system testing, formal handover and operator training for your team

What you receive in writing

✓ Technical and financial feasibility study

✓ Detailed scope of both parties

✓ Itemised cost estimate (BoQ)

✓ Construction schedule

✓ Structural and systems drawings

✓ Handover and training documents

A structure designed around your crop

We don't pick dimensions from a catalog. We calculate them from your crop, your climate and your land.



Spanish-type multi-span with oval arches

Large air volume and even light; suited to vegetables such as peppers and tomatoes



Hydroponic houses

Matched to growing tables or gutters, nutrient supply and drainage



Expansions and extensions

New bays added to an existing greenhouse, aligned with its current structure and systems

Parameters we set in the design

Parameter	Based on
Span width and number of spans	Plot dimensions, cropping system and row layout
Structure height	Crop, required air volume and ventilation system
Profiles and column spacing	Local snow and wind loads, and hanging equipment loads
Covering type	Crop light requirements, climate and budget
Roof vents and ventilation	Local summer temperatures and planting density



Project example: Spanish-type structure with oval arches, 10 spans of 9.6 m, 30 m long, 6.7 m high (approx. 3,000 m²), Arak

Systems: where a greenhouse makes its profit

A good structure won't produce a crop without the right heating, ventilation and irrigation. We design and install every system to work together.



Heating and boiler room

Central heating, boilers and boiler room sized to heat loss and climate



Cooling and ventilation

Roof and side vents, fan and pad, and fogging based on summer temperatures



Irrigation and fertigation

Drip irrigation, nutrient dosing, and water treatment where EC is high



Piping

Water and heating pipework, from the boiler room to the last crop row



Electrical and controls

Internal power distribution, panels and control of ventilation and irrigation



Growing system

Soil or hydroponic growing, matched to the crop, the water and the target market



From our sites

Projects we have completed or are building now, with real specifications.



Pepper greenhouse

In progress

Markazi Province, Iran

Approx. 3,000 m²; Spanish-type structure with oval arches, 10 spans of 9.6 × 30 m, 6.7 m high



Central heating

In progress

Ahar, Iran

Hot-water central heating system with full piping installation



Houseplant greenhouse

Completed

Mazandaran Province, Iran

Approx. 5,000 m² greenhouse for houseplant production



Vegetable greenhouse

Completed

Markazi Province, Iran

Approx. 4,000 m² multi-span greenhouse for vegetable crops

Free

Send us your contract and quotation before you sign

Even if you are working with another contractor. Most surprise costs in a greenhouse project come from what the contract leaves out.

What we check

✓ Scope of contractor and client obligations

✓ What is and isn't included in the price

✓ Technical specs of structure, covering and equipment

✓ Construction schedule and payment terms

✓ Testing, handover, training and warranty

✓ Price adjustment and quantity changes

Risks we see often

- Transport, foundations or power supply left out of the quote and charged later
- High-EC water with no desalination planned in the design
- Optimistic yield figures that make the payback look unrealistic
- No clauses on price adjustment, quote validity or delivery terms

Send your documents via Instagram DM or WhatsApp

You get a written, clause-by-clause review

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Book a site visit and a first consultation

The first meeting is about understanding your land, your water
and your goals, before any figures or prices.

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