

Mounted solar · Catalogue · November 2026

Solar farms in Finland, developed to ready-to-build.

Voltira secures the land, runs the permitting and grid work, and hands over a project with a final building permit and a signed connection agreement.

VOLTIRA OY
EMPOWERING A SUSTAINABLE FUTURE

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Voltira in brief

Voltira Oy is a green-energy and agri-tech company in Ruovesi, Finland, with operations in Finland and Vietnam.

We run three lines of business. In Finland we develop ground-mounted solar farms and carry them from land to ready-to-build, and we freeze-dry Lion's Mane for food and supplement makers. For Vietnam we propagate breadfruit trees in the laboratory, starting with the Otea variety for breadfruit flour.

In Vietnam the company operates 4 MWp of rooftop solar with Reishi cultivation beneath the roofs, and 15+ hectares of robusta coffee farms.

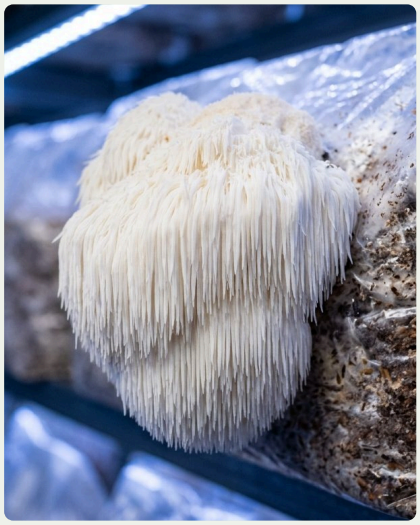
Head office	Operations	Business ID
Ruovesi, Finland	Finland and Vietnam	3503161-6 · VAT FI35031616

Three lines, three catalogues



Mounted solar

Solar farms in Finland, developed to ready-to-build.



Freeze-dried Lion's Mane

Fruiting body only, as slices, powder and capsules.



Breadfruit propagation

Otea tissue-culture plantlets, planted in Vietnam.

The catalogue you are reading is outlined. All three are available at voltira.fi or from julian.hua@voltira.fi.

What we do

We develop ground-mounted solar farms in Finland and carry them from land to ready-to-build. The buyer builds and owns; we deliver a project that is ready for that decision.

1 Land

We identify sites near existing 20 kV or 110 kV lines, outside protected areas, and sign long-term leases with the landowners.

2 Permitting

Municipal building permit, authority statements and neighbour hearings. We write the applications and the answers, and we stay with the file until the decision is final.

3 Studies

Nature values, run-off, landscape and climate impact assessments as required by the authorities; yield study and layout for the chosen site.

4 Grid

Connection enquiry with the distribution network operator or Fingrid, capacity reservation, and a signed connection agreement.

5 Access

Road junction permit from the ELY Centre, access route and site logistics agreed with the landowners.

6 Handover

The project is sold to a utility or an established developer as a documented, ready-to-build package.

What a buyer receives

- Signed, registered land lease
- Final, appeal-free building permit
- Signed grid connection agreement
- Road junction permit and access route
- Authority statements and environmental reports
- Site plan, layout and yield study
- Indicative EPC pricing from Finnish contractors



Ground-mounted PV with the substation and grid connection in one place.

Project sizing and configuration

Project size	5 to 30 MWp per grid connection
Technology	Ground-mounted, fixed-tilt PV; tilt and row spacing set for Finnish latitudes
Storage	Battery storage designed in where the grid connection rewards it; pure PV where it does not
Grid connection	20 kV distribution network or 110 kV regional network, one connection per project
Land	Long-term lease from the landowner; forest or field land, flat or south-facing
Permits	Building permit, ELY statements, road junction permit, connection agreement
Handover	Ready-to-build; buyer selects the EPC contractor and owns the asset
Regions	Pirkanmaa today; eastern Finland and South Ostrobothnia screened for grid capacity

Permitting in Finland

A Finnish ground-mounted solar farm runs through several parallel permit tracks. We manage all of them from one file:

- **Building permit** from the municipality, with siting conditions under the Building Act
- **ELY Centre statement** on nature, water and landscape values, usually turned into permit conditions
- **Neighbour hearing** and, where needed, a response to objections
- **Road junction permit** from the ELY Centre for the access road
- **Grid connection** enquiry, capacity reservation and agreement with the network operator
- **Land lease** registration and site plan

Rooftop PV for property owners

For owners of commercial and multi-family buildings we design and specify rooftop PV, from a single roof to a portfolio, in Finland and abroad.



Rooftop PV on multi-family buildings. Photograph illustrative.

Reference: Ruovesi

Project in permitting

A 9.6 MWp fixed-tilt solar farm in Ruovesi, Pirkanmaa, developed by Voltira from land to grid.

Capacity	9.6 MWp, 10 MVA connection
Layout	Fixed tilt 45°, 5.5 m row spacing, single-module rows
Grid	20 kV line, about 4.7 km, to the network operator's existing substation
Land	Forest land, leased from the owner
Access	Road junction permit granted, 2026
Status	Building permit in process; authority statements received
Expansion	Adjacent land under discussion with the neighbouring owner



Fixed-tilt tables on open land. Photograph illustrative.

Landowners: we are looking for sites

10 to 50 hectares, flat or south-facing, within a few kilometres of a 20 kV or 110 kV line and outside protected areas. We lease long term. Write to julian.hua@voltira.fi with the property identifier.

Contact

Utilities and developers: ask for the project memorandum of the Ruovesi site. Landowners: send us your property identifier and we will tell you within two weeks whether the site qualifies.

Julian Hua, CEO

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We reply in English, Finnish or Vietnamese.

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Our other catalogues

- **Mounted solar** — development services, project sizing and configuration, reference project.
- **Freeze-dried Lion's Mane** — products, specifications, lot testing, packaging and trade terms.
- **Breadfruit propagation** — method, plantlet specifications, delivery and planting in Vietnam.

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