

Energy in one picture.

From the grid at a glance down to a substation, recorded on a password-protected map.

Connection requests, heat planning, resilience duties, local acceptance: almost every question on your desk has a place. SovAtlas puts installations, roofs, terrain and risks into one 3D picture, in the browser and without installation.

For: Grid operators · Municipal utilities · Energy suppliers · Project development

WHO IT IS FOR

Four tasks, one picture.

Whether grid company, regional supplier or municipal utility: grid, sales, generation and crisis team look at the same area, with different questions.

GRID OPERATION

The grid in context

- Generation sites, buildings and terrain in one picture.
- Flood zones, official warnings and weather over your own installations.
- High and extra-high voltage with substations on maps with a password or personal access link.

Connection requests for solar, storage, heat pumps and charging points

GENERATION AND PROJECTS

Sites that get approved

- Wind turbines in 3D, with manufacturer and hub height on click, where recorded.
- The viewshed from hub height or total height.
- Protected areas, drone zones and parcels in the same picture.

Area targets for wind energy, repowering

SALES AND ENERGY SERVICES

Find the next solar roofs

- Solar suitability and estimated annual yield per building.
- Sun and shadow at any hour of the year.
- Buildings with height, footprint and use as a basis before heat planning starts calculating.

PV contracting, residential solar supply, heat planning

SECURITY AND CRISIS TEAM

What happens in the surroundings?

- Hospitals, waterworks and residents around a site, on a password-protected map.
- Drone geo-zones, reported aircraft and disrupted satellite positioning.
- The crisis plan for the scenario is drawn up in KRITISplan, based on BSI Standard 200-4.

German KRITIS umbrella act in force since 17 March 2026



Rooftops of a city on approach, coloured by their suitability for photovoltaics.

SOLAR ROOFS · REGIONAL TODAY

Which roofs can carry solar, and how much?

Sales sees the large, well-suited roofs of a business park at a glance: the candidates for contracting and roof leasing. In residential areas the map shows the roofs of large apartment buildings, the candidates for residential solar supply.

Estimated yield per building; shade from neighbouring houses and trees is not included.



A click on the rooftop installation shows its profile from the core energy market data register (data as of 12 June 2026); installation name and identifiers are redacted for this page.

EXISTING INSTALLATIONS · REGIONAL TODAY

What has been built, how big, since when?

Who feeds in within the area, how much and since when: for grid planning, direct marketing and the conversation about repowering when an installation's subsidy ends.

Installations without a location in the register do not appear as a point; the annual yield is estimated.



Wind turbines as 3D models with tower and rotor, seen close up over terrain and aerial imagery.

WIND POWER · ACROSS GERMANY

How does the wind farm sit in the landscape?

For a planned site, the viewshed raises the observer to hub height or total height and shows which settlements would see a turbine there. A wind farm thus enters the public meeting with pictures instead of claims.

Wind turbines from open data; where the hub height is missing, the map draws a substitute value. Vegetation does not enter the viewshed, only terrain and buildings.

POWER GRID · ACROSS GERMANY · IMAGE ON THE COVER

Where does the line run, and what connects at the substation?

Generation, grid and consumption in one picture: the solar park next to the substation, the line above the business park, the housing behind it. Anyone discussing connection, expansion or local acceptance shows the place instead of describing it.

The grid comes from OpenStreetMap and is as accurate as its contributors have mapped it; it does not replace the operator's grid plan.

What getting started looks like.

Demo

One hour, your questions: wind power, drone zones and warnings in your area, roofs and installations in an example city.

NO PREPARATION

Pilot project

A protected map for your grid area, with buildings, solar suitability and installations there and your first data; defined scope, defined term.

GRID, SALES OR CRISIS TEAM

Expand

More maps for more departments, your specialist data as layers and, if you wish, a public map.

IN YOUR ORDER

Which grid area should we show you?

In a demo you see SovAtlas on your grid area, with whatever data is already available there today.

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More on this topic: sovatlas.com/en/energie · Operations and assurance: sovatlas.com/en/betrieb

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