



InnoMatch

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District Office of Berlin-Kreuzberg



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Headquarters: Berlin, Germany
Sector of the unmet need: energy efficiency

Who are we?

The **Bezirksamt Friedrichshain-Kreuzberg von Berlin** is the local administrative authority for the Berlin district of Friedrichshain-Kreuzberg. In Berlin's government structure, every district has such an office responsible for implementing local administrative tasks and public services within its area. It is part of the municipal-level government of the German capital and works under the legal framework of the Berlin state administration.

The District Office is supporting Berliner Stadtwerke GmbH (fully publicly owned company) in the purchase of innovative, forced-labor free solar panels.

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Activity in green public procurement

In procurement, the district office acts as a public contracting authority and significant public buyer. Through its central tendering unit (Zentrale Vergabestelle), it organises and oversees the purchase of goods, services, and construction works.

All procurement must comply with German and EU public procurement law, ensuring transparency, competition, and value for money. The district also integrates sustainability and social responsibility criteria into its purchasing processes, reflecting Berlin's broader policy goals for responsible public spending.

Current problem

The core problem behind this unmet need is that most global solar panel supply chains are highly concentrated and opaque, especially at the level of polysilicon production. A large share of the world's polysilicon (the key raw material for photovoltaic modules) is produced in regions where there are **documented risks of forced labour and limited supply chain transparency**.

While solar panels are essential for decarbonisation goals, the upstream production of critical components may contradict human rights, ethical procurement standards, and emerging due-diligence regulations.

Therefore, the District Office of Berlin-Kreuzberg is looking for innovative approaches related to low-carbon, forced-labor-free solutions for solar panels.

The public buyer is specifically interested in clear transparency of the origin of the polysilicon used to produce solar panels, with Western production.



Fully traceable, low-carbon, forced-labor-free solar panels with verified Western polysilicon supply

The innovative solution would allow the procurement of solar panels manufactured using verified Western-produced polysilicon with full end-to-end supply chain traceability.

Expected outcomes:

- Verified elimination of forced labour risks in the solar panel supply chain
- Reduced lifecycle carbon footprint of installed photovoltaic systems
- Full technical reliability, performance efficiency, and long operational lifespan
- Increased market demand for ethical, low-carbon Western solar manufacturing



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Other product specifications needed are:

- Modules with a maximum size of 2 m² and 25 kg
- Modules must be certified according to E DIN EN IEC 61215-1 VDE 0126-31-1:2019-06, protection class II, and DIN EN IEC 61730-1 VDE 0126-30-1:2018-10, application class A
- Performance guarantee and degradation according to the manufacturer's factory warranty conditions: at least 97.5% of the nominal output in the first year of operation, maximum degradation of 0.7% per year from the second year onward, at least 91% of the nominal output after 10 years of operation, and at least 80% of the nominal output after 25 years of operation.
- Product warranty: at least 12 years for material and/or workmanship defects



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