

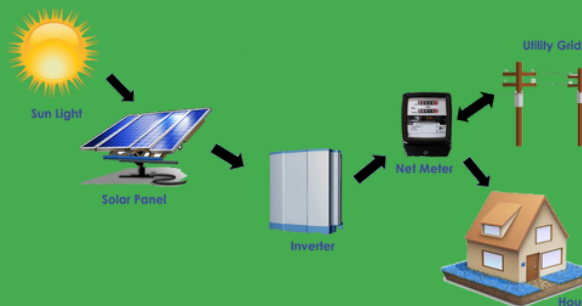
Daira Sabz

Consulting &
Engineering Group



Daira Sabz Consulting: Leading the Transition to Green Energy

At Daira Sabz Consulting and Engineering Group, we support public and private clients across Germany, Afghanistan, and international markets in accelerating their transition to sustainable and resilient energy systems. Our services are fully aligned with EU Green Deal, Germany's Renewable Energy Act (EEG), Afghanistan's Energy Sector Development Plans, and global climate commitments under the Paris Agreement, UN SDGs, and IFC Environmental and Social Performance Standards.



Afghanistan | Germany | Partner Countries

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Our Core Energy Transition Services

1. Energy Efficiency Enhancement

We conduct ISO 50001-compliant energy audits and deploy advanced diagnostics to reduce energy waste. Our services include:

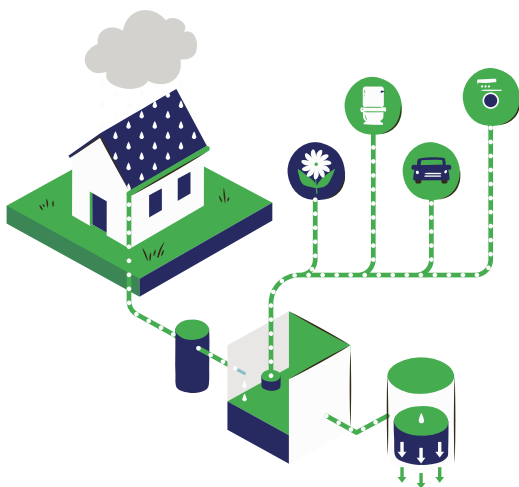
- Facility and building energy performance assessments
- Integration of smart metering, IoT devices, and AI-based controls
- Retrofitting buildings with high-performance materials
- Certification support for Green Building Labels (e.g., LEED, DGNB, Passive House)
- We help reduce carbon emissions and operational costs while increasing ESG scores.



2. Electrification of Systems

We assist organizations and municipalities in decarbonizing fossil-fuel-based systems:

- Electrification of heating, cooling, and transport fleets
- Design and implementation of EV charging infrastructure
- Conversion planning for district heating and industrial processes
- Technical advisory on electric mobility strategies



3. Renewable Energy and Battery Storage

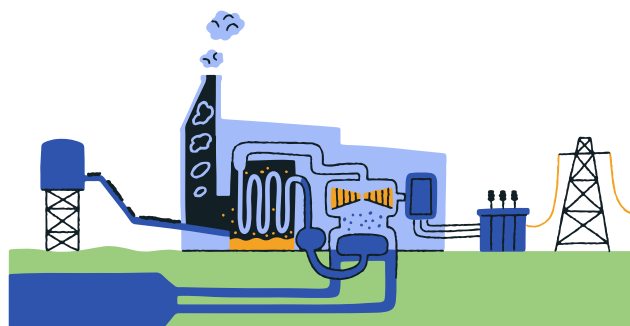
We provide end-to-end support for renewable deployment:

- Feasibility studies, technical design, and installation for solar PV, wind, and hybrid systems
- Battery Energy Storage Systems (BESS) for power reliability and load balancing
- Renewable integration for off-grid and microgrid solutions
- Development of Net-Zero Energy Buildings (NZEBS) and Sustainable Urban Design

4. Fossil Fuel Phase-out Planning

Our consulting services support national and corporate clients to responsibly phase out coal and avoid new oil and gas developments:

- Strategy and roadmap development for fossil fuel exit
- Impact assessments and Just Transition frameworks
- Risk mitigation strategies for stranded assets
- Alignment with EU Taxonomy for Sustainable Finance, IFC Performance Standards, and Afghanistan NEPA Guidelines



Additional Services

- **Energy Metering & System Optimization:** Audit and upgrade outdated metering systems for accuracy and cost tracking.
- **Energy Procurement Advisory:** Navigate contracts and supplier agreements for cost-effective, sustainable energy sourcing.
- **Real-Time Monitoring & Reporting:** Digital dashboards for tracking energy KPIs, GHG reduction, and compliance reporting (e.g., GRI, CDP, ISO 14064, Afghanistan ANSA Standards).

Why Choose Daira Sabz for Green Energy?



- **Compliance & Reliability:** Our services comply with EU, German, Afghan, and other local energy and environmental standards wherever we operate.
- **Economic Resilience:** We stimulate local economies through green jobs, capacity building, and reduced energy imports.
- **Energy Sovereignty:** Empowering regions with clean, distributed energy systems.
- **Climate Responsibility:** Proven strategies for emission reductions and environmental stewardship.

At Daira Sabz, we combine technical expertise with strategic foresight. Whether you need to optimize your energy systems, electrify your fleet, or build climate-smart infrastructure, we're your partner in powering a green, just, and sustainable future.



Contact:

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