

Solar Energy Life Cycle Services

Product Sheet

The solar industry is shaped by innovation, regulation, and rising performance demands. DEKRA helps you meet these challenges with expert services across the entire life cycle. From planning to decommissioning, we reduce complexity and risk, ensuring your solar projects are safe, efficient, and built for the future.

Empowering Solar Safety in a Rapidly Evolving Industry

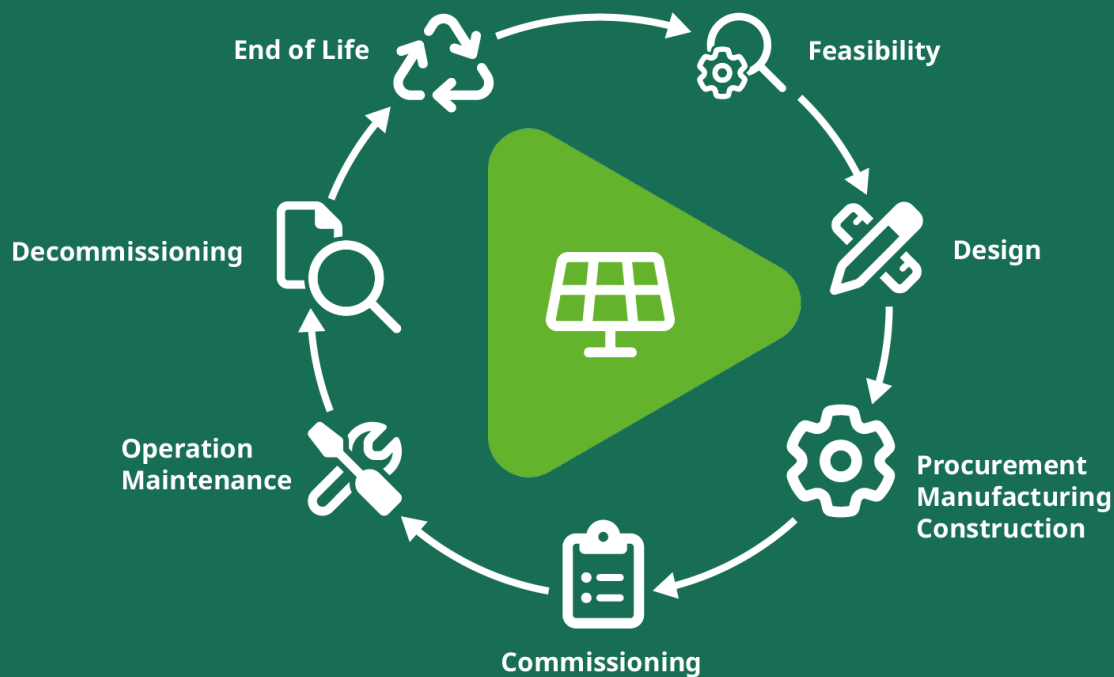
The solar industry is advancing at record speed – driven by innovation, rising energy demand and ambitious sustainability goals. Yet, this rapid growth brings major challenges for project developers, operators and investors alike. From unpredictable regulatory changes and complex site conditions to growing pressure for system performance, safety and life cycle sustainability, managing solar energy projects has become increasingly demanding. Stakeholders must balance technical risks, compliance obligations, cost pressures and long-term returns — all while navigating different local standards and tight project schedules.

Meeting the Challenges of Solar Energy

We provide targeted support to help you overcome these industry challenges. Our experts deliver inspection, certification and training services across the entire solar energy life cycle – empowering you to make sound decisions, ensure compliance and maximize system reliability and efficiency.

From early-stage feasibility to end-of-life recycling, we help you secure your investment, reduce risk and ensure long-term performance — locally and globally.





Comprehensive Services Across the Solar Life Cycle

- 1. Feasibility**
We help you lay a solid foundation for your solar project with assessments and analysis that clarify site conditions, technical potential and investment viability.
- 2. Design**
Our experts support you in developing safe, compliant and efficient system designs by identifying structural and technical risks early on.
- 3. Procurement, Manufacturing & Construction**
We assist in selecting qualified partners and maintaining high standards during procurement and construction through quality assurance and inspection.
- 4. Commissioning**
We verify that all systems are safely installed and operational, providing technical validation and readiness assessments prior to launch.
- 5. Operation**
To keep your systems running smoothly, we provide monitoring, inspections and risk assessments that support reliability and long-term efficiency.
- 6. Decommissioning**
We ensure a safe, compliant transition by guiding you through the required inspections, audits and documentation for responsible phase-out.
- 7. End of Life**
Our services help you manage asset retirement through condition assessments, sustainability planning and support for environmentally sound recycling.

Why DEKRA?

DEKRA combines deep expertise in solar energy with hands-on experience across all life cycle phases. We support rooftop, ground-mounted, and utility-scale systems with tailored, regulation-compliant services that help minimize risk and maximize performance.

Let's Empower Solar Safety Together

Whether you are launching a new solar project or optimizing an existing one, we are your trusted partner every step of the way. Get in touch to learn how we can help you ensure compliance, improve performance and support your sustainability goals.

Contact us!

Status 05/2025