























Executive Summary: Project LF

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Project LF is an innovative large-scale initiative for sustainable energy production and CO₂ reduction with significant global impact potential. By utilizing only 5–8% of the available land, the project can generate substantial amounts of green hydrogen and electricity while avoiding or capturing considerable volumes of CO₂ emissions. At the same time, it helps delay and contain wildfires, enhances protection against heavy rainfall events, and enables the cost-efficient provision of large quantities of freshwater. Overall, Project LF delivers substantial ecological benefits, strengthens regional value creation, and creates millions of new jobs.

Impact Metrics

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| <div><div> Baseline per km² (Pilot)</div><div><ul style="list-style-type: none"> > 591 t H₂ or > 32 GWh electricity per year > 21.900 t CO₂ avoidance/binding per year Land use: max. 5–8 % Existing land use is preserved and further supported</div></div> | <div><div> Germany</div><div><p>aus 10.000 km² max. 5–8 %</p><ul style="list-style-type: none"> > 5.9 million t H₂ or > 320 TWh electricity per year > 219 million t CO₂ avoidance/binding per year Increased biodiversity Wildfire protection/delay Boost for green steel Integrated management of surface water We bring our own small-scale and therefore resilient infrastructure</div></div> | <div><div> Global Target</div><div><p>out of 1.930.000 km² max. 5–8 %) ≈ ~155.000 km² land needed</p><ul style="list-style-type: none"> > 1.1 billion t H₂ or > 61,760 TWh electricity (~61.8 PWh) per year > 42 billion t CO₂ avoidance/binding per year Creating a new green lung for our planet Wildfire protection/delay Offer large quantities of fresh water at low costNote:  Additional CO₂ binding from living fences is on top</div></div> |
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Investment & Jobs

- ~15.44 Trillion €
- calculated based on German procurement & labor costs
- Investments are **regional**, creating value & jobs
 - Energy yields & climate benefits ensure **fast amortization**

4-8 Mil. new FTE

The project creates 4-8 million sufficient full-time equivalents globally, achieving significant social and economic impact.

ROI Timeline (model)

- Pilot Phase (0–2 years): Negative to neutral - Setup, research, initial validation
- Initial Rollout (2–5 years): First positive effects - Savings from land management, CO₂ binding
- Regional Scaling (5–8 years): ROI > 0 - Monetization via certificates, biodiversity
- EU-wide Integration (8–12 years): ROI 10–15% p.a. possible - Synergies with Green Deal, funding
- Global Expansion (12–20+ years): ROI > 20% p.a. with optimal implementation - Job creation, export model, SDG multiplier

ROI Calculation Example (5 years)

ROI: 50% (10% p.a.)

Share value doubling is realistic – multiplication possible.

Contribution to UN Sustainable Development Goals (SDGs)

Project LF directly addresses 10 of the 17 UN-SDGs, supported by decentralized hydrogen production and investor partnerships:



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS





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Project LF

Sustainability & Energy — Core Message

Your Benefits at a Glance



Up to 100% Self-Supply

Cover energy needs completely from own generation.



Cost Advantage

Significantly cheaper energy compared to market purchase.



Independence

Protection from price volatility and geopolitical risks.



Regulatory Security

Implementation on own properties meets the requirements for CSRD compliance.



Scalability

Model is transferable to all locations worldwide.

- ☐ By implementing Project LF on corporate-owned properties, you secure long-term affordable, reliable energy while simultaneously meeting CSRD regulatory requirements.

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