☀️ Solar4All Hackathon Challenge

Bringing Clean Energy to Apartment Buildings

🔎 Problem

Millions of people pay too much for energy because only **1% of apartment buildings** in Germany have solar panels. Nearly **50% of Germans** living in those buildings are missing out on affordable, clean energy. ☀️

Our vision: **make solar energy easy, fair, and accessible for tenants and landlords alike.**

This could mean:

- Making electricity data easy to understand and transparent for both tenants and landlords

- Automating complex billing processes for landlords or energy providers

Think about how you can help **democratize access to green electricity in urban communities** → turning rooftops into local powerhouses.

🎯 Your Mission

Build a **prototype** that shows how digital solutions can make solar energy more transparent, affordable, and engaging for apartment communities.

You could explore directions like: 📑 📊 🤝 🏢 🎮

- **Billing made simple**: Create transparent, easy-to-understand bills for tenants and landlords.

- **Energy insights**: Visualize consumption, production, and savings in engaging ways.

- **Empowered tenants**: Show how people benefit directly from rooftop solar (e.g., what share of their usage came from the sun).

- **Landlord tools**: Help landlords or building managers understand the bigger picture and manage the building, without drowning in complexity.

- (Bonus: Gamification - do you find an idea that makes both user groups happy or motivated about using the platform)

💡 These are examples → feel free to surprise us with your own creative take!

🛠️ Resources Provided

- **Starter dataset**: Example smart meter data (per apartment + building + solar).

- **Invoice template**: A sample file you can extend or redesign.

- **Mentor**: Leo (LinkedIn) from Dach für Dach will be available to answer questions.

💁 Evaluation Criteria

Submissions will be judged on:

- **Innovation** – Did you bring fresh ideas?

- **Usability** – Is your prototype intuitive and user-friendly?

- **Impact** – Does it make solar energy feel accessible to tenants and landlords?

- **Execution** – Does the demo run smoothly and tell a compelling story?

📦 Deliverables

- **Code repository** (GitHub/GitLab)

- **Short demo video** (max. 5 min)

- **README & stack overview**: how to run it, what stack you used and why

---

🥇 Recognition

- **Visibility**: Winning teams featured on Dach für Dach's LinkedIn & website and promoted to our investor

- **Founders Lunch**: We invite the **top team of our challenge to a special lunch** with the Dach für Dach founders. 🍴 🥗

- **Hiring**: You will be part of our talent pool and we offer 1:1 chats 🤝

🔥 **Now it's your turn:** Build something that could bring clean energy to millions of people living in apartments. Roof by roof. House by house. **Let's make Solar4All real.**

🚀 About Us: Dach für Dach

We're **Dach für Dach**, and our mission is simple: *bring the energy transition to apartment buildings, roof by roof.*

Our goal: supply **1,000,000 people** with clean solar energy → roof by roof.

Right now, going solar as a tenant is nearly impossible. We're changing that. Our **digital-first Mieterstrom platform** supports property owners and installers at every step, from planning and installation to operations.

Founded in **Jan 2025** and funded by EnBW, we have currently 20+ ongoing projects with 200+ people being supplied by solar energy for the first time!

👷 *(PS: We're **hiring** a **Founding Engineer** → if you're interested, hit us up!)* 👷