

# Founders Associates Positions

## IDP - Technical Associate

Manufacturing Plants contribute to ~ 1/3<sup>rd</sup> of global Carbon Emissions. The world already has the technology to fix industrial energy waste. **Low carbon tech, IoT, AI, digital twins - they exist.** What's missing is a combination of Tech + Finance for frictionless deployment. Lumora is built exactly at this point. We have a mission to create and deploy **IoT powered AI agents for Manufacturing** which would reduce 10 Millions tonnes of Co2e yearly. We are creating an Agentic platform for Energy Optimisation Intelligence which will power Robotics for Factories of the Future

Supported by Carbon 13 (venture Builder @ University of Cambridge) and in Pre-seed funding stage. Lumora is looking for a rockstar to join us. You won't be taking notes like an intern - you'll be working with the Founders and building and making **decisions to create something the world actually uses by building a company from scratch.**

## The Role

**Duration:** 3–6 months. Team size 2-3  
**Start Time:** Flexible

### What are we looking for?

- **Entrepreneurial Mindset** - Bias for Action!
- **Excellent Communication skills** Are comfortable in professional - sometimes uncomfortable - conversations (*Excellent English & German required; additional languages are a plus*)
- **Curiosity and love for Building great products**
- **Resilience** - can adapt to changes and think on their feet
- **Humour!** (We take fun seriously !:)

### Why Lumora?

- **Founder-led. No delegation. No layers**
- **Real customers.** Real Projects. Real life
- Fast learning curve across **Tech x Energy x Business**
- Help create a Business which **combines Planet with Profit!**
- You'll sit in the room where early bets are made - *and sometimes reversed*
- A **young and highly experienced founding team** that treats you like family ❤️

## Technical Project Overview

### Pillar 1 - Platform Architecture

You will design the **core software architecture and data backbone** for industrial ancillary systems, defining how utility data is ingested, structured, and scaled across sites. This includes building reference architectures for OT-to-IT pipelines, asset abstractions, time-series and event models, and evaluating suitable database and storage approaches.

In parallel, you will assess AI methods for optimising industrial utilities, exploring hybrid physics-ML models, forecasting with noisy data, constrained reinforcement learning, and anomaly detection, with a focus on robustness and real-world deployability to guide the product roadmap.

Summary deliverables:

- Reference architecture and data model proposals
- Database and storage recommendations
- Technical memo on viable AI approaches
- Strategic inputs to the product roadmap

### Pillar 2 - Digital Twin Creation

**Digital data Twin creation: 1-2 Students with technical Background for**

**coding**

You will help shape (and lead)

- Analyse and quantify real flexibility potential in one ancillary utility system (e.g., compressed air, cooling, or thermal buffers)
- Physics-informed digital twin capturing loads, and operational constraints
- Simulate flexibility use cases such as load shifting, peak shaving, and response dynamics

Translate physical behaviour into actionable flexibility parameters for DSM and system architecture

## Founding team



**Harit Soni** 2x Cleantech Founder, Raised > USD \$ 22 million, 15+ years building and scaling Global ventures

[LinkedIn](#)



**Johannes Parzonka** 10+ years entrepreneurial leader, founded a green-gas venture and led M&A for global energy giants

[LinkedIn](#)



**Caterina Giacomelli** Physicist & Data Scientist in signal processing & ML, IoT monitoring & industrial processes.

[LinkedIn](#)



### Apply Now

Apply as an Individual or as a team. Please send the following to [Join@lumora.email](mailto:Join@lumora.email) with **1. CV and short note** **2. Ideal Start Date and period** . **Or ping us directly on LinkedIn**