



## CO-FOUNDER NEEDED

# A machine learning model for early prediction of sepsis

## Sensana

### THE PROBLEM

Each year around 30000 people suffer from sepsis in Denmark. Each septic patient has a treatment cost of 152000 DKK, which could potentially be reduced if sepsis is detected and treated earlier.

### OUR SOLUTION

We aim to develop a machine learning model for early prediction of sepsis and organ failure based on data from patient's who have experienced an infection.

### PATENT STATUS

We will likely never pursue a patent, as it's hardly ever feasible to patent software.

### FINANCIAL OVERVIEW

Our business model is a B2G SaaS, where we intend to lease the model to the regions and the hospitals.

### MILESTONES

- Winning X-tech best demo award (May 2025) – 50000 DKK
- Received mikrolegatet without a CVR (December 2025) – 25000 DKK
- Received skylabs discovery grant (January 2026) - 150000 DKK
- Contact with technical, medical and commercial advisors.

### TARGET MARKET & CUSTOMERS

We aim to target the market for treatment of septic patients. In Denmark targeting the regions is more effective, whereas hospitals may be independent entities in various other international markets.

It's also worth mentioning that we already work with clinicians from Bispebjerg and Rigshospitalet.

### CO-FOUNDER PROFILE WE ARE LOOKING FOR

#### Preferred qualifications

- Is a medical doctor interested in integrating new technologies into the clinical workflow.
- Has a commercial educational background and/or practical business experience.
- Experience selling to governmental institutions, preferably the regions or the hospitals.

#### Personal fit

- Entrepreneurial and open-minded
- Strong communicator and relationship builder
- Prioritize physical presence when needs be and values accomplishing tasks

#### TASKS & RESPONSIBILITIES (FIRST 3 MONTHS)

- Communication with stakeholders - In particular, the government and regions
- Support fundraising and expansion
- Business strategy and market analysis

#### ACADEMIC & ENTREPRENEURIAL BACKGROUND OF CURRENT CO-FOUNDERS

- Arian Dapouyeh: Machine learning student – Co-founder
- Sebastian Grut: Machine learning student – Co-founder

#### PHYSICAL ADDRESS

Currently working from DTU skylab:  
Centrifugevej 374, 2800 Kongens Lyngby

#### READ MORE HERE

<https://www.linkedin.com/company/sensana>



SENSANA

ML Model for Early Prediction of Sepsis



### ABOUT OPEN ENTREPRENEURSHIP

Open Entrepreneurship is a collaboration between all Danish universities aiming to create more research-based startups.

[www.open-entrepreneurship.com](https://www.open-entrepreneurship.com)



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