

# A German startup is looking for pilot testers for their automated office furniture for a personalized desk sharing experience under services agreement

## Summary

Profile type	Company's country	POD reference
<b>Business request</b>	<b>Germany</b>	<b>BRDE20220830004</b>
Profile status	Type of partnership	Targeted countries
<b>PUBLISHED</b>	<b>Commercial agreement</b>	<b>• World</b>
Contact Person	Term of validity	Last update
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## General Information

### Short summary

A German startup developed a smart office system that enables instant personalization of workspaces. The solution consists of a mobile application, a smart desk and a smart office chair which are able to electrically adapt and adjust into personalized settings of different users. The startup is now looking for pilot testers for their office 4.0. solution who are willing to collaborate under services agreement.

### Full description

In the last couple of years, desk sharing gained popularity in companies and organisations. However, until now, there were no appropriate and suitable solutions on the market, combining the idea of desk sharing offices with a smart customized solution for the improvement of the employees' health, productivity and satisfaction.

The German startup provides a smart office system which consists of an office chair, a desk and a smartphone application, enabling instant personalization of workspaces. The smart furniture is equipped with actuators to adjust to the users' pre-set parameters on the smartphone interface within seconds. When entering the office, the user can use its smartphone to log in at an unoccupied office desk or reserve any available office workplace from home. The furniture (desk and chair) immediately adjusts to the well-known personalized settings and gives the user a feeling of familiarity. The solution allows for flexible and efficient utilisation of office space and offers the benefit of highly comfortable and healthy working conditions.

The smartphone app contains all necessary options to set up the office including an initial installation guide. This ensures a healthy and well-adjusted setup. The initial setup is guided by graphics on the app showcasing a gamified instruction of state-of-the-art ergonomics recommendations that are then live converted into actuator movements. Initial pre-sets are saved after the one-time setup and available for daily login procedures.

The smart office chair is equipped with up to five actuators to adjust to the users' preferences. The most prominent part of the chair is the main mechanism that is placed under the seat and comprises four actuators (seat depth, seat height, counterforce backrest). The office chair works on a battery which can be recharged easily (wired and wireless options available).

The startup offers height-adjustable desks and equips them with their own control units. The desks serve as charging docks for the smart office chairs. The desk is also equipped with actuators to adjust to the users' pre-set parameters on the smartphone interface.

In order to test the existing solution, the startup already received the first order from a multinational European company and is looking for further testers/pilot customers who are willing to collaborate under a services agreement. As a service, the startup would provide their embedded "office 4.0" system to a suitable partner who is interested to test the solution and give feedback on the applicability of the system. Additionally, the startup would also provide support on all technical questions and issues.

### Advantages and innovations

#### GAMIFYING OFFICE HEALTH AND WELLBEING

The startups personalized office solution for desk sharing offices is combined with integrated behavioral coaching and enables employees to work under healthier settings by sitting in a customized and personalized position anywhere in the office. A working environment under healthy circumstances not only improves the employees satisfaction, but also usually leads to increased productivity. The visualization of the employees posture combined with suggestions for a healthier posture in the app triggers long term improvements.

#### FLEXIBLE WORKING ENVIRONMENT

By using the innovative solution of the German startup, organisations can transition towards a dynamic office environment. This modern desk sharing solution significantly improves the employees flexibility, particularly in the context of part-time working models and flexible working hours (hybrid working).

#### COMFORTABLE HANDLING

The self-adjusting office chair and desk are building the core of the office where the employee can log in comfortably and start working with an ergonomic setting right away. The startup's technology comprises a smooth charging system for the chair that requires no regular battery replacements. No complicated levers or buttons are attached on chair nor desk.

#### INTEGRATED OFFICE MANAGEMENT

The partner can opt-in to book a user-friendly desk booking system that integrates smoothly with the startup's solution. An app for booking will be provided, as well as status LEDs on the workplace to indicate the availability of the workplaces.

#### ALL-IN-ONE SOLUTION

The startup provides a holistic approach for shared office spaces, combining the memory function of the chair with the desk to ensure healthy and independent work anywhere in the office. The main mechanism of the smart office chair is pending to be patented.

### Stage of development

**Available for demonstration**

### IPR Status

**IPR applied but not yet granted**

### Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 3: Good Health and Well-being**

## Partner Sought

### Expected role of the partner

The startup is looking for further pilot testers as partners that already operate or want to operate in the context of desk sharing offices and look for a smart & healthy office furniture alternative.

The company is interested in signing a services agreement with an organisation which is keen to test the "office 4.0" solution and provide feedback concerning the applicability of the system. As a service, the pilot customer would receive the embedded solution and the associated smart furniture in order to test them in their office ecosystem.

The office size of the possible partner should exceed 5 workspaces and the users in the office should be familiar with interacting with modern technologies. As technological support, the startup would request a feedback loop over the

three-month pilot phase which would include at least one on-site workshop to collect recommendations from the users. The feedback of the customers will be used for improvements of the product.

After a successful trial period, the pilot customer would have the option to purchase further optimized systems at a discounted prize.

#### Type of partnership

**Commercial agreement**

#### Type and size of the partner

- **SME 11-49**
- **R&D Institution**
- **SME 50 - 249**
- **University**
- **Big company**

## Dissemination

#### Technology keywords

- **01003022 - Smart Appliances**

#### Market keywords

- **02007024 - Programming services/systems engineering**
- **02006005 - Big data management**
- **09004002 - Office furniture and other professional furnishings**
- **02007016 - Artificial intelligence related software**

#### Targeted countries

- **World**

#### Sector groups involved

- **ICT Industry and Services**
- **Healthcare**