



**inDemand: Demand driven co-creation for public entities**

## **CHALLENGE 1: A solution supporting resource planning for more efficient implementation of rooms**

### **Pitch**

An electric application is needed for real-time monitoring of the occupancy rate of hospital rooms.

### **Motivation and description**

In the future hospital, the occupancy rate of rooms shall raise in accordance with space requirements. For instance at outpatient clinics, the number of rooms will be smaller in future in spite of the fact that even now, as it is, the hospital does not always have a sufficient number of rooms available. An electric application is needed for real-time monitoring of the occupancy rate of hospital rooms so that when staff and patients vacate a surgery, it will be available for others to use. Oulu University Hospital requires such an application as probably do also other hospitals in Finland and other countries.

### **Main objective**

Once staff and patients vacate a surgery, other users shall be efficiently directed to the available space. Both public screens in the unit and work terminal displays should allow the monitoring of occupancy rate of the rooms. The application shall be integrated into the hospital information system to enable necessary transfer of data.

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### **Requirements for the proposals**

- Shall respond to one of the development needs described here
- Must be an e-health application
- Equal to TRL 7

### **Business opportunity**

Improving the occupancy rate of hospital rooms is one of the key ways to achieve cost savings and streamline the operations in the future hospital. By optimizing the utilization rate of hospital rooms, the SME can help the customer - hospital and healthcare professionals - to serve patients with shorter waiting times and guide them efficiently to the operating rooms. This will help reducing the time the patient spends in the hospital and improving the patient's customer experience.