



Financial and staff-time savings with AI software

Contacts

fraecermed UG
in technical co-operation with
fto-digital-transformation
Hans-Knöll-Str. 6
D-07745 Jena
Tel. +49 3672 4703099
info@fraecermed.de



www.fraecermed.de

MEDTECH



Company

FRAECERMED has developed AI software to solve one of the most costly challenges for hospitals. Operating rooms generate the highest costs in hospitals. This is due to inadequate capacity utilisation, as there are major differences between the current schedule (estimated times) and the actual process. The differences are eliminated by physically measuring medical activity times and form the basis for optimised scheduling, which reduces excessive staff numbers and saves capital. The system is controlled by a digital twin.



Products and technologies

By measuring time with sensors (pressure, electric field, body sounds, interference level of the laparoscope, "luminous" substances, etc.), characteristic vectors are generated in the organisational workflow of operations, which reflect the temporal individuality of the employee (Bayesian probabilities; London 1742). This AI technology is used for all operating staff and forms the basis of PARETO optimisation for all operating rooms. The result is full capacity utilisation.

Strengths

Ordinal computing has only been around since 2012, and Fraecermed has acquired 5 patents for ordinal computing through. This software is a disruptive innovation that solves the previous problem of inefficient processes in hospitals by mapping the individuality of patients and staff. Ordinal computing has only been around since 2012, and Fraecermed has acquired 5 patents for ordinal computing through. This software is a disruptive innovation that solves the previous problem of inefficient processes in hospitals by mapping the individuality of patients and staff.

An Example from Germany:

In an orthopaedic university hospital it was possible to reduce the number of required rooms from to 5 (8-3), resulting in a financial savings per year: **€1.56 million**

Target clients

Hospitals