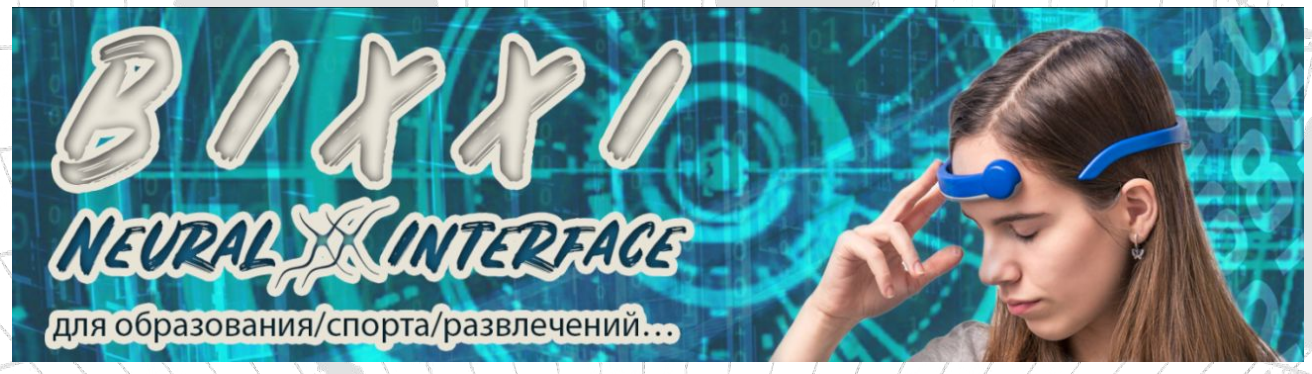
HRtech:

Increase employee productivity using cognitive load management

based interface brain-computer BIXXI



Problems
cognitive load management

There is no measurable assessment of psychophysiological factors influencing the thinking of employees in the process of professional activity:

- ***Oxygen levels in the brain.***
  Professional activity, as a rule-takes place in the premises. Duration (8 hours) - leads to a lack of oxygen in the brain, even in ventilated areas (including insufficient circulation due to low mobility)
- ***Concentration of attention***
- ***Stress***
- ***Posture,*** *affecting the blood flow of the spinal cord and the CNS (Central nervous system)*

Mobile interface BIXXI with AI (artificial intelligence), measuring oxygen in the brain

РОССИЙСКАЯ ФЕДЕРАЦИЯ

ПАТЕНТ

НА ИЗОБРЕТЕНИЕ

№ 2645943

СПОСОБ НЕИНВАЗИВНОГО ОПРЕДЕЛЕНИЯ КОНЦЕНТРАЦИЙ КОМПОНЕНТОВ КРОВИ

Патентообладатель: *Общество с ограниченной ответственностью "ТЕЛЕБИОМЕТ" (RU)*

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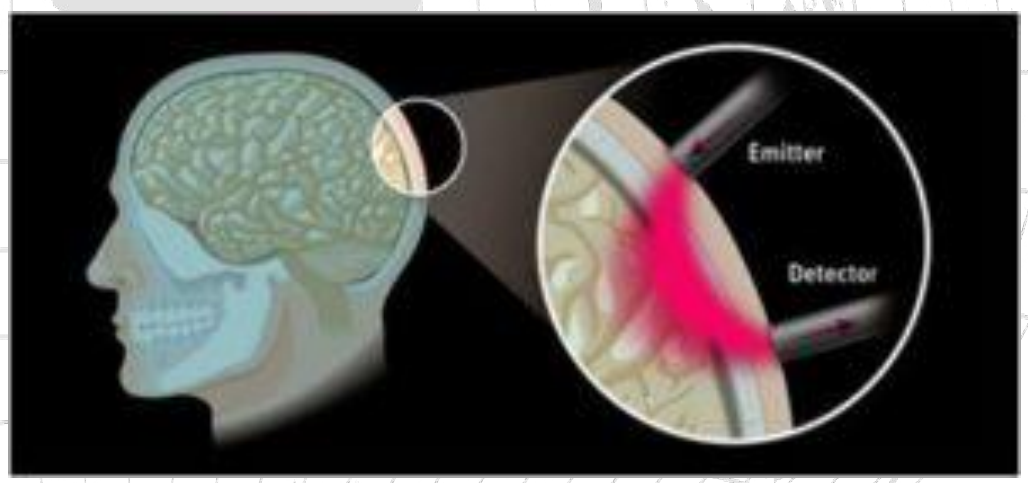

Customer examples

HEINEKEN

production unit

НЕЙРОЦЕНТР
центр нейроинформационных технологий

fund "Innopractice»

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центр нейроинформационных технологий

Business hypotheses and KPI

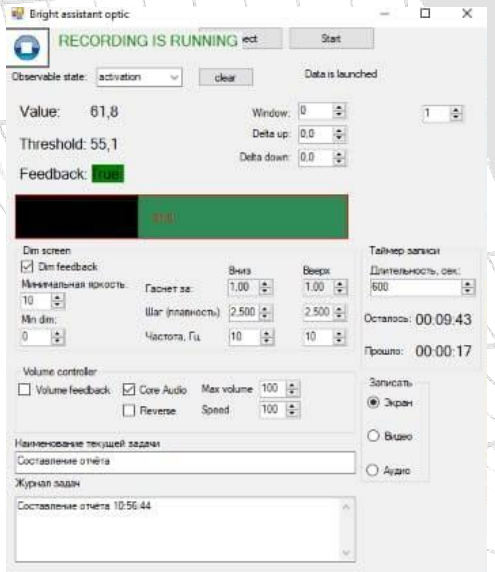
Improving the efficiency of business processes

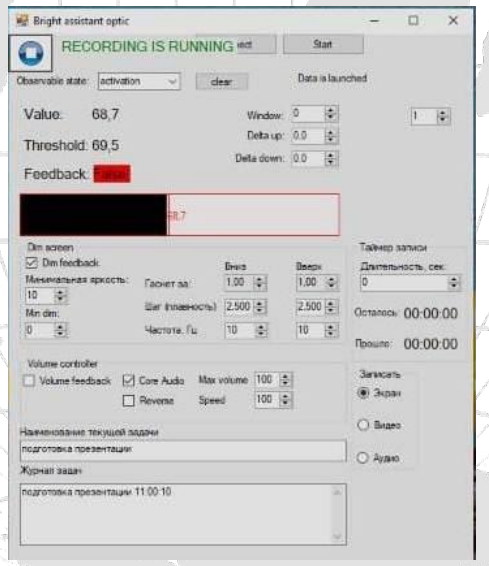
KPI examples:

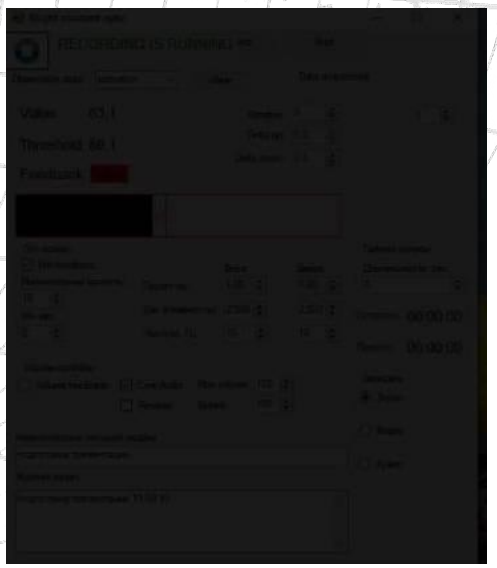
- reduction of costs on physical operations-analogue of the case with Heineken
- measurable assessment of the concentration of office staff on current tasks for the planning period

Service example:

when concentration is low, the employee's computer screen turns off

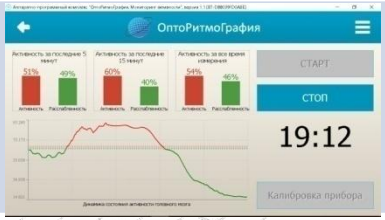




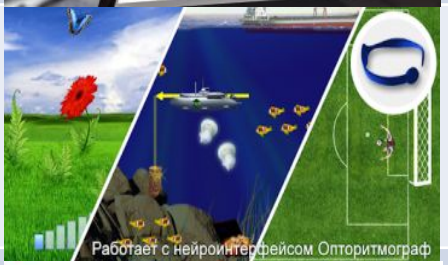


Monitoring
concentration of attention of groups of employees

To the productivity program:
Stage # 1. Assessment of cognitive load and the formation of a digital profile

Personal digital profile	
Monitoring the level of brain activity and its visualization both by the employee and external observers (employee managers, HR staff)	
Big Data	
Archive the dynamics of States	

Step 2. Development productivity, using digital profile data

Digital profile management	
Analysis of state dynamics based on AI (artificial intelligence)	
Cognitive training on concentration/deconcentration, stress management, speed of switching States of consciousness	
Predictive Analytics (predicting the quality of brain activity)	

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