

CERAA ERGONOMICS

Mobile application for assessing ergonomics
in workplaces

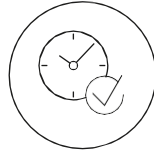


CERAA application - Identify workplace risks during a moment

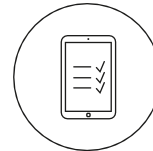
Legislation and technical standards



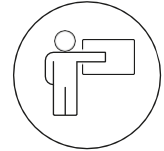
Lifetime license



Assessment via tablet



User training



Ergonomics assessment using Augmented reality



Evaluation:

- Work postures
- Maximum and optimal reach zones
- Height of the manipulation plane
- Vertical and horizontal zones of visions
- Height of display units
- Height of the units in the workplace due to the heart level
- Floor space

System benefits:

- Assessment of anthropometry, visual demands and type of load
- Assessment based on legislation and EN standards
- Limit calculations
- Reassessment of 8 hrs and 12hrs work shifts
- Summary reports in .jpg format

Audit of administrative workplaces



Evaluation:

- Functional and dimensional requirements of the workplace
- Work chair and footrest
- Desk, monitor, keyboard and computer mouse
- work and rest regime
- microclimate, noise and other

System benefits:

- Comprehensive workplace assessment
- Self-assessment / self-training
- 77 ergonomic principles, 8 workload areas
- Reports with traffic light evaluations and relevant "tips" for eliminating identified ergonomic deficiencies
- Summary reports in .pdf format

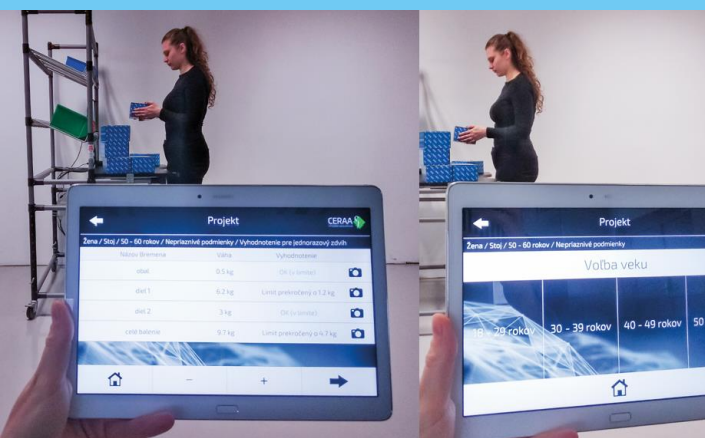
Manual handling of loads assessment

Evaluation:

- Lifting, carrying and lowering loads
- Guideline weight limits for women
- Manual handling factors

System benefits:

- Assessment based on legislation
- Considering age, gender, handling conditions
- Calculations of limits for a single lift and total manipulated weight
- Summary reports in .pdf, .xls format



CERRA Glove glove with measuring sensors

System description:

- Data box with Bluetooth
- 8 measuring sensors on the palm
- Gloves in sizes S, M, L or XL
- User training

System benefits:

- Quantification of applied forces
- Video recording synchronized with measured data
- Evaluation based on EN standards
- Immediate information in real time about exceeded grip limits
- Own development by Asseco CEIT





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