FULL CYCLE DIGITAL WORKPLACE BASED ON LAMBDA-MU PLATFORM

«Global Computer Security Research Center-SEZ» Ltd

https://interpolymech.com

FULL CYCLE DIGITAL WORKPLACE

PERFORMING ANY TASK: FROM TRAINING TO OPERATION AND REPAIR

Full Cycle Digital Workplace is a set of innovative programs based on VR/AR technologies for developing and working with interactive electronic technical manuals, electronic educational and methodological complexes, electronic catalogs of illustrations for training, repair, maintenance and operation of complex technical civilian products.

FULL CYCLE DIGITAL WORKPLACE

ENSURES HIGH EFFICIENCY IN PERSONNEL TRAINING AS WELL AS IN PRODUCT MAINTENANCE, OPERATION AND REPAIR

Allows to receive remote consultations right at the workplace.

Based on Lambda-Mu platform. Can be certified according to safety requirements.

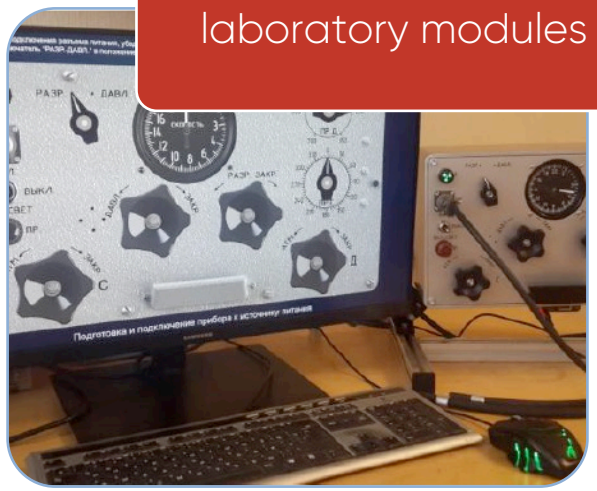
Has a built-in interactive training course.

The developer company has a license to develop software for aviation equipment.

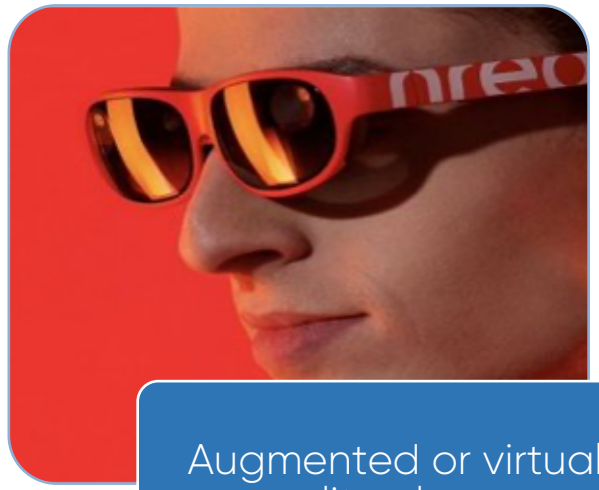
FULL CYCLE DIGITAL WORKPLACE EQUIPMENT

USE OF INNOVATIVE TECHNOLOGIES FOR TRAINING AND WORK

Personal computer



Electronic laboratory modules

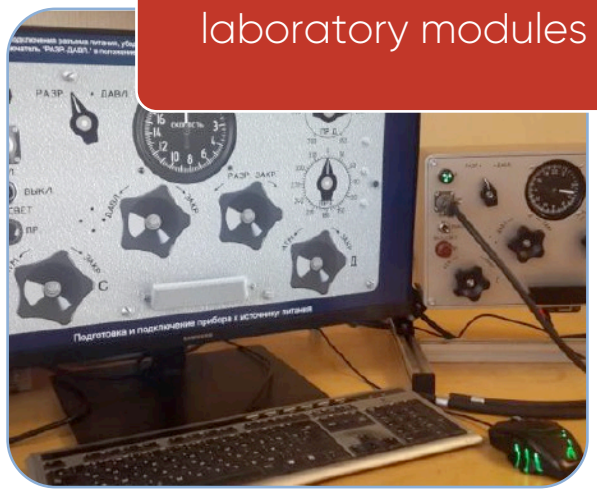


Augmented or virtual reality glasses

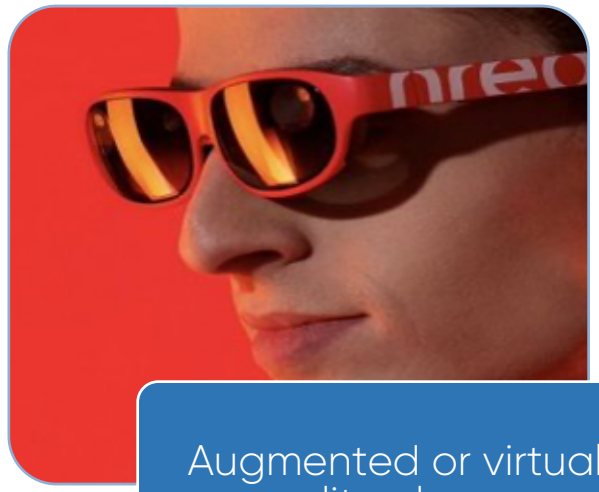
ОСНАЩЕНИЕ ЦИФРОВОГО РАБОЧЕГО МЕСТА ПОЛНОГО ЦИКЛА «ЦРМПЦ»

ИСПОЛЬЗОВАНИЕ ИННОВАЦИОННЫХ ТЕХНОЛОГИЙ ДЛЯ ОБУЧЕНИЯ И РАБОТЫ

Personal computer



Electronic laboratory modules

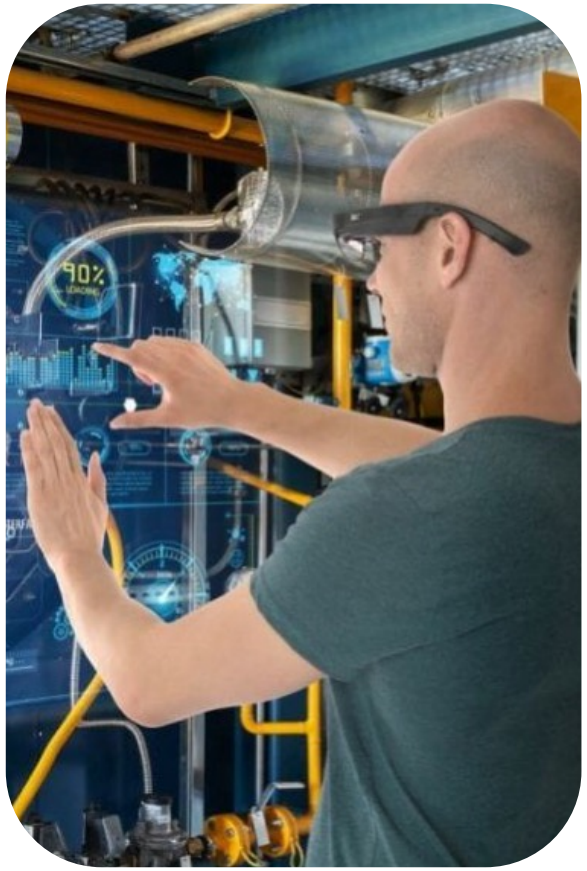


Augmented or virtual reality glasses

FULL CYCLE DIGITAL WORKPLACE

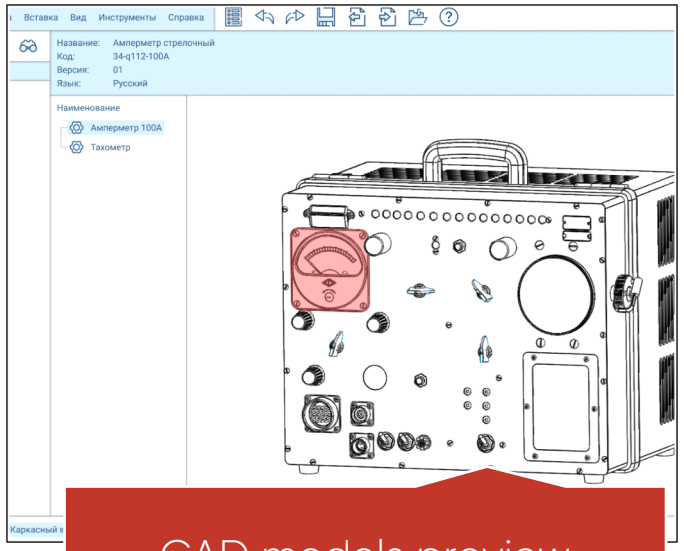
OPERATION, MAINTENANCE AND PRODUCT REPAIR IN AUGMENTED REALITY (AR) MODE

- Search by documentation/scheme using voice control.
- Using AI algorithms as DSS when carrying out repair.
- Automatic sounding of technological maps.
- Telepresence of team members in case of remotely distributed work.
- Does not occupy the hands of the operator during work.
- Ability to record maintenance/repair data.

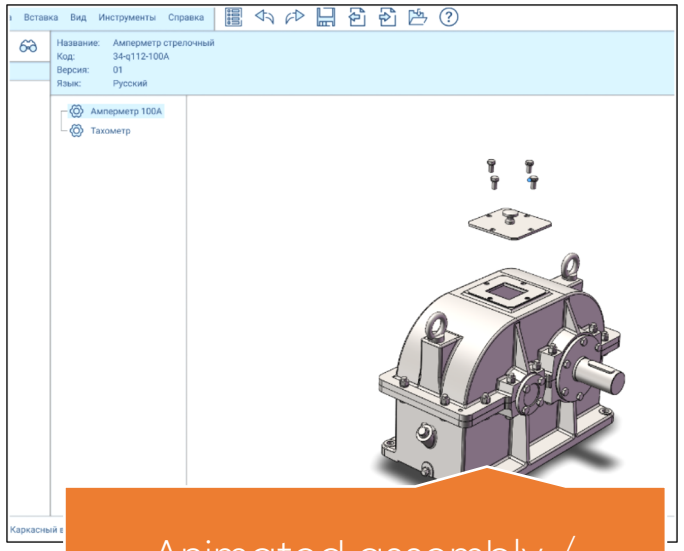


FULL CYCLE DIGITAL WORKPLACE

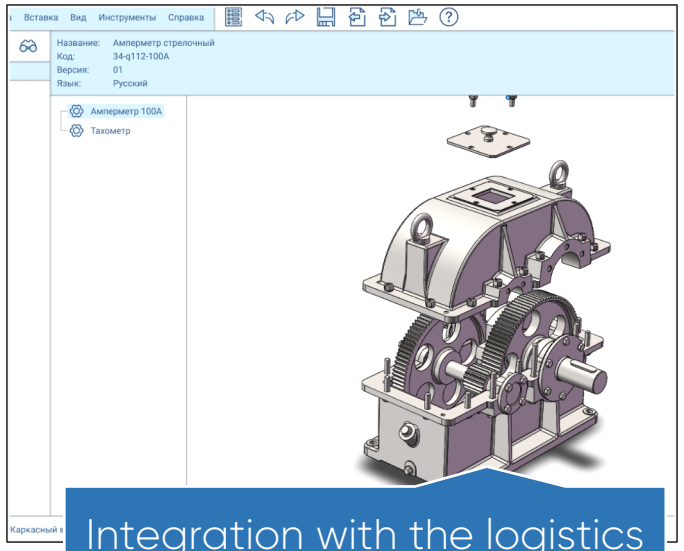
PROVIDES ACCESS TO A PRODUCT CATALOG WITH THE ABILITY TO VIEW CAD MODELS



CAD models preview in 3D/VR.



Animated assembly / disassembly videos.



Integration with the logistics support system of a product manufacturer.

FULL CYCLE DIGITAL WORKPLACE

ACCESS TO ELECTRONIC EDUCATIONAL AND METHODOLOGICAL COMPLEXES FOR TRAINING OPERATION, MAINTENANCE AND REPAIR SPECIALISTS

- Independent study of theory in 2D mode..
- Practical classes in virtual reality (VR).
- Practical non-linear exams in virtual reality (VR).
- . Webinars in VR mode with the participation of product manufacturer specialists.
- Use of electronic modules that imitate the logic of the product.
- Emphasis on the acquisition of practical skills by students.

«GLOBAL COMPUTER SECURITY RESEARCH CENTER-SEZ» LTD

MATCBKT-SEZ was founded in 2015 as an IT company. As a developer, we offer our clients various Industrial solutions based on virtual, augmented and mixed reality technologies as well as using artificial intelligence (AI), robotics, IoT.

We develop systems for training personnel to work with complex technical equipment using 2D/3D, VR/AR/XR simulators based on our own industrial Lambda-Mu platform.

Also, based on Lambda-Mu platform, we develop LM-ROBO – hardware control platform for local or remote device management via built-in display board or via Web interface, AR/VR/XR.

Our products and solutions are successfully implemented in industry, machinery, aviation, defense, education, real estate, municipal services.

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