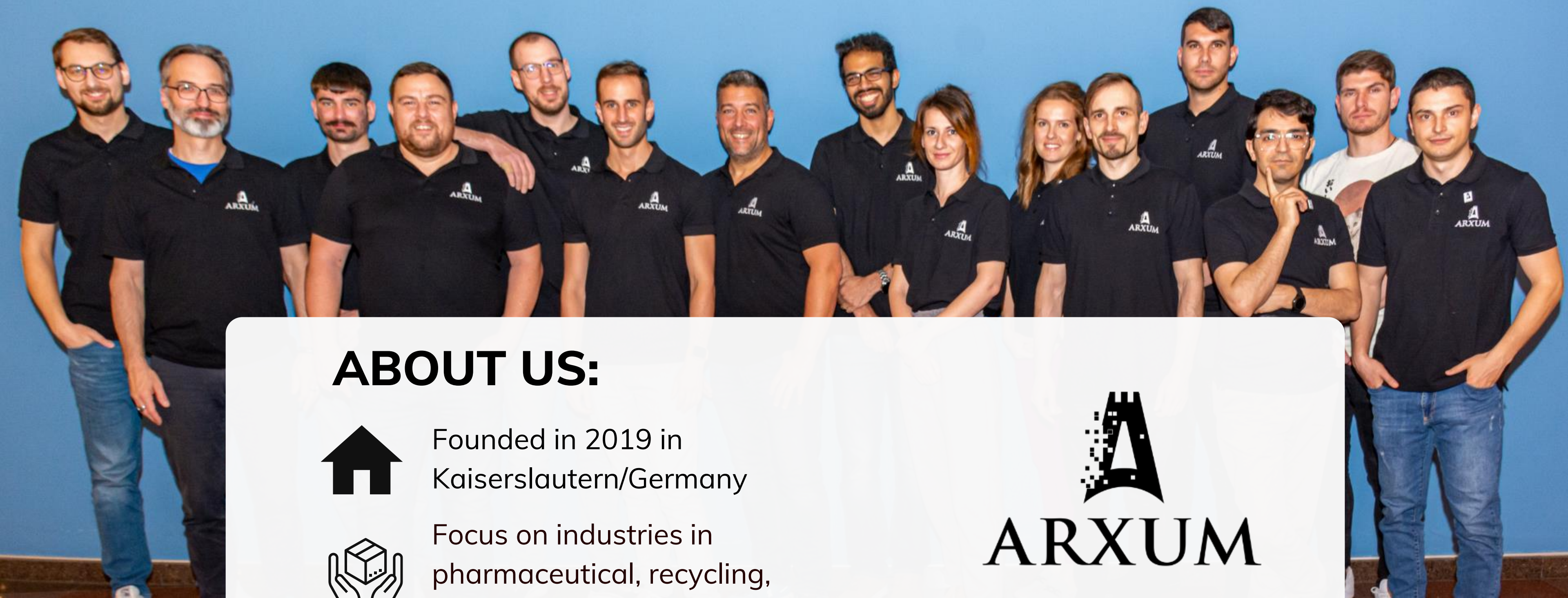




ARXUM

ARXUM[®] BLOCS

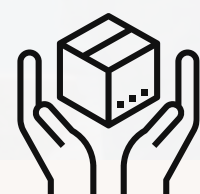
BLOCKCHAIN-BASED
LABORATORY
OPERATIONS
CONTROL
SYSTEM



ABOUT US:



Founded in 2019 in
Kaiserslautern/Germany



Focus on industries in
pharmaceutical, recycling,
space & automotive



20 Employees



Germany, France &
Bulgaria



INNOVATIONSPREIS 2021 – ANERKENNUNG
KATEGORIE „UNTERNEHMEN“

CHALLENGES FOR THE LAB

DIVERSE IT
LANDSCAPE



DATA
MONITORING



STRESS-FREE
ENVIRONMENT



STAFF
SHORTAGE



PAPERLESS
LAB



DIGITIZATION &
ARCHIVING





INCREASE OF COMPLEXITY IN THE LAB

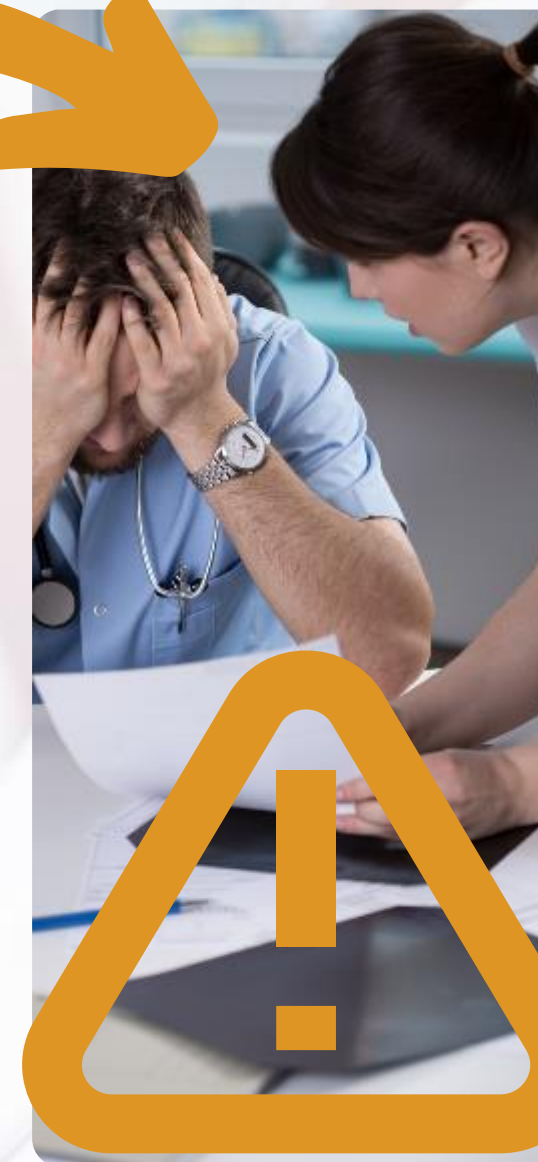
Labs are equipped with more and more various analytical systems and particular procedures



High workload to meet compliance requirements: 30-50% of working time



- Process documentation
- Monitoring
- Signatures
- Audit-Preparation
- etc.

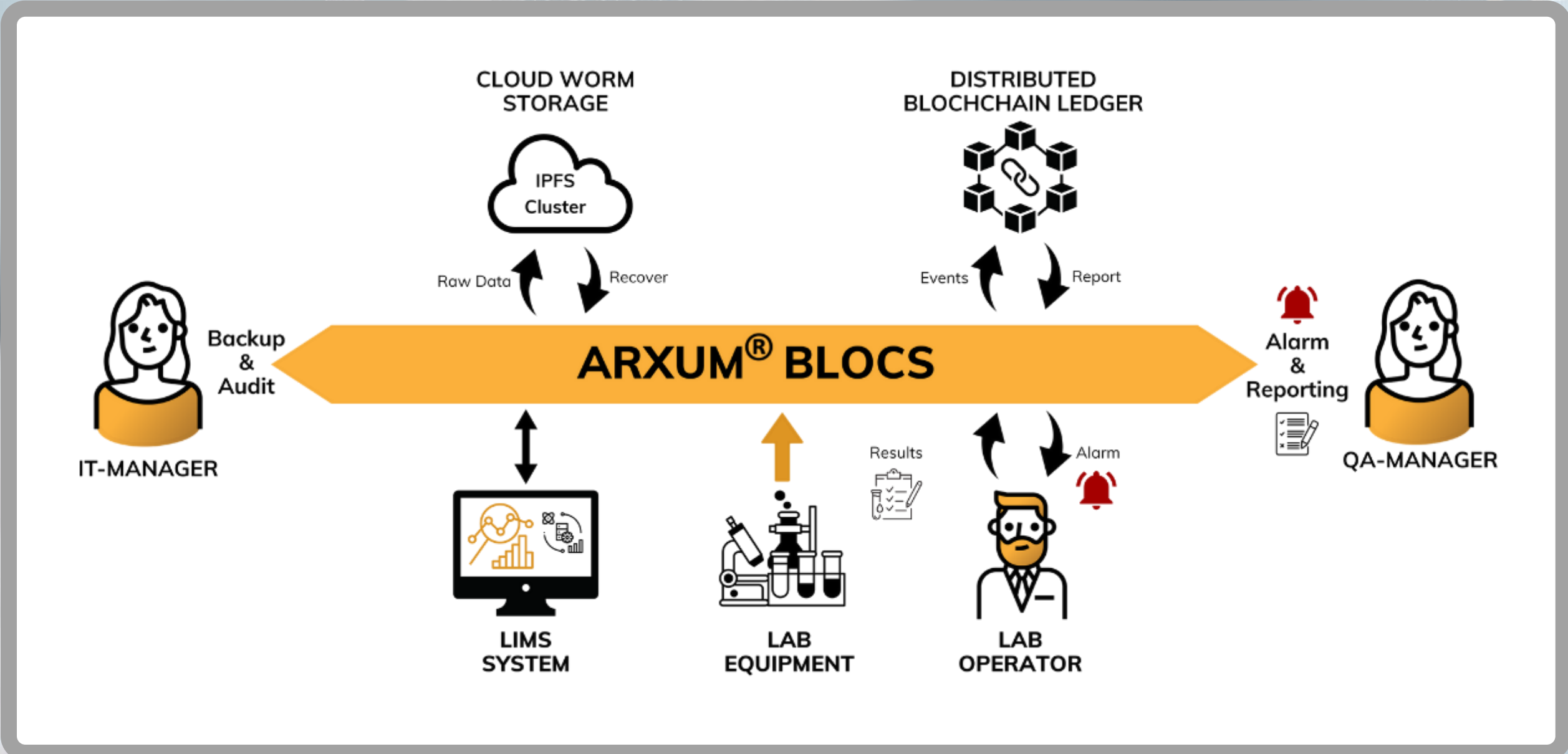


MANUAL CHECKS OF ANALYTICAL PROCESSES ARE NOT SUFFICIENT ANY MORE

ARXUM[®] BLOCS




The All-in-One-Innovation for data integrity in the lab



- ✓ Instant event records are sent to the blockchain
- ✓ Compliance verification through the Smart Contract Logic
- ✓ Real-time alerts of predefined deviations
- ✓ Standardized reporting for transparency across a wide range of laboratory devices and events

ARXUM[®] BLOCS

Remain capable to operate



End-to-end
Monitoring and tracking
of all raw data




Secured and distributed
cloud backup of data &
reports




Avoid double data entry
& go paperless with
automated digital
reports



Digital access to audit
reports & data of all
lab instruments



Overview of the
compliance status of
monitored
devices



Make your systems
compliant with FDA 21
CFR Part 11 & follow
EU GMP Annex 11
guideline

ARXUM[®] BLOCS

Applied in your lab

EFFICIENT & RELIABLE

- ✓ Boost staff productivity & focus on the important tasks
- ✓ Make savings on storage for documentation, data & reports
- ✓ Digital archiving & access to documentation, data & reports

SECURE & TRANSPARENT

- ✓ Complete, error-free documentation
- ✓ Fast detection of compliance issues in real-time
- ✓ Fast and secure authentication

SIMPLE & COMPATIBLE

- ✓ Simple and transparent overview of all analysis statuses
- ✓ Direct connection of laboratory devices from different manufacturers (manufacturer-neutral)



ARXUM

ARXUM[®] BLAST

BLOCKCHAIN-BASED
LAB
APP FOR
SAMPLE
TRACKING

ARXUM[®] BLAST

Parallelizing IVD process steps



GOOGLE-GLASSES



PROCESS SEQUENCE
WILL BE FILED ON
BLOCKCHAIN



GUIDANCE THROUGH THE
INDIVIDUAL WORKING
STEPS IS PROVIDED



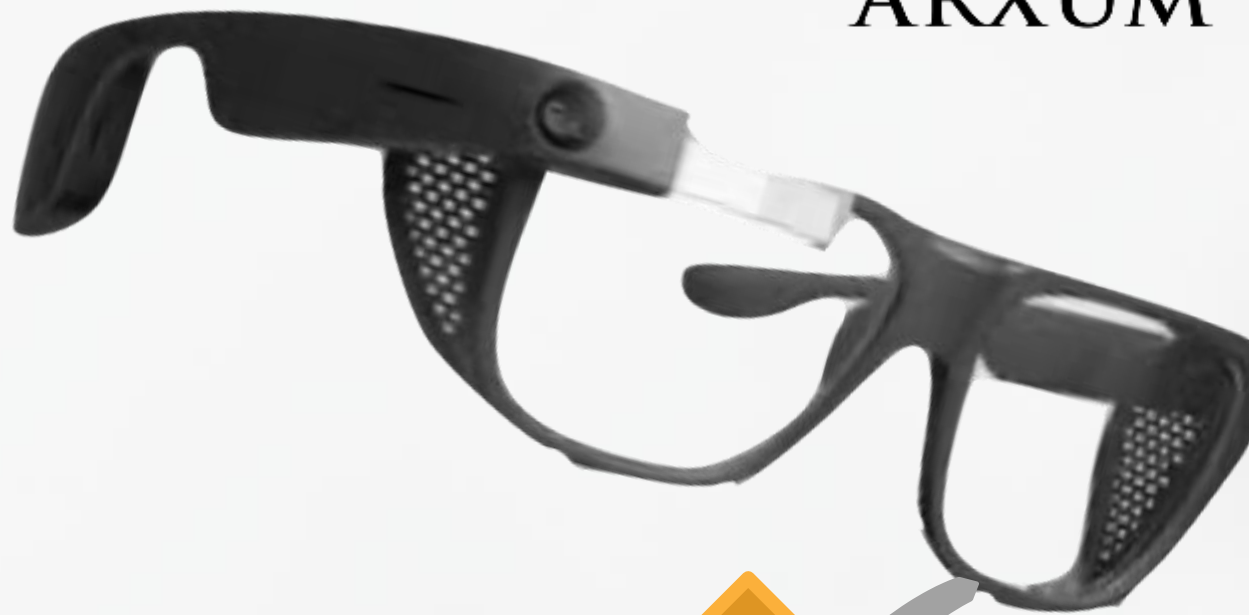
HANDS-FREE, STRESS-
FREE WORK IN THE
LAB SPACE



EACH PROCESS
STEP WILL BE
DOCUMENTED

ARXUM[®] BLAST

GOOGLE GLASS integration for optimal cell culture monitoring & handling procedures



✓
DOUBLING
the processing
capacity

✓
DIGITAL QUALITY
ASSURANCE

✓
MARKET ADVANTAGE
THROUGH
INNOVATION

✓
EASY ONBOARDING
OF NEW EMPLOYEES

✓
CENTERED REAL-
TIME VISIBILITY INTO
ORDER STATUS

Our clients & partners



CONTACT US:

 +49 631 5600 3037

 www.arxum.com

 hello@arxum.com

 Europaallee 33
67657 Kaiserslautern
Germany

