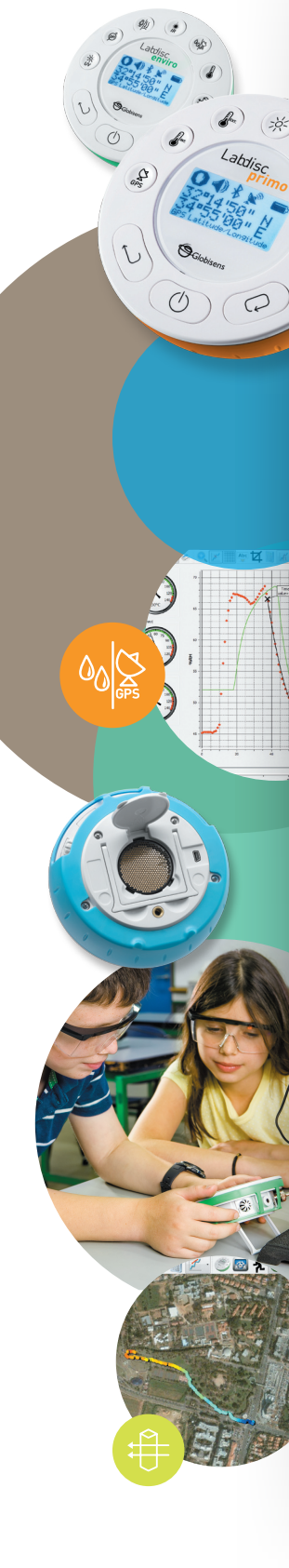


Azerbaijan pilot – summary



NURTURING THE NEXT GENERATION: AZERBAIJANI SCIENTISTS AND ENGINEERS

With an economy dependent on the oil industry, Azerbaijan is looking to diversify. Focused on nurturing the next generation of STEM-based professions, the Ministry of Education wants to equip students with the necessary knowledge and skill-set to take the country forward. The wealth of research and practice around the world shows that the starting point is attracting young students to science and math, improving their understanding and test scores and as a result - increasing the number of high school students majoring in science. This channels more students into STEM-based subjects at university level, which means more Azerbaijani graduates flourishing in the STEM careers of the future.



The Labdisc Checks Every Box

With a future STEM workforce in mind the Ministry of Education decided on the Labdisc: The hands-on solution complements their existing theory-based science syllabus with practical experiments for Biology, Chemistry and Physics taught topics. The digital, compact and portable laboratory is easy to setup and use by both students and teachers.

Hoshcadam, biology/chemistry teacher:

"I have taught biology and trained teachers for 24 years and I am always trying to learn new technologies. I had a great time during these 3 days with you and learnt a lot. I am sure that with the Labdisc our lessons will be even more interesting. Thank you for everything."

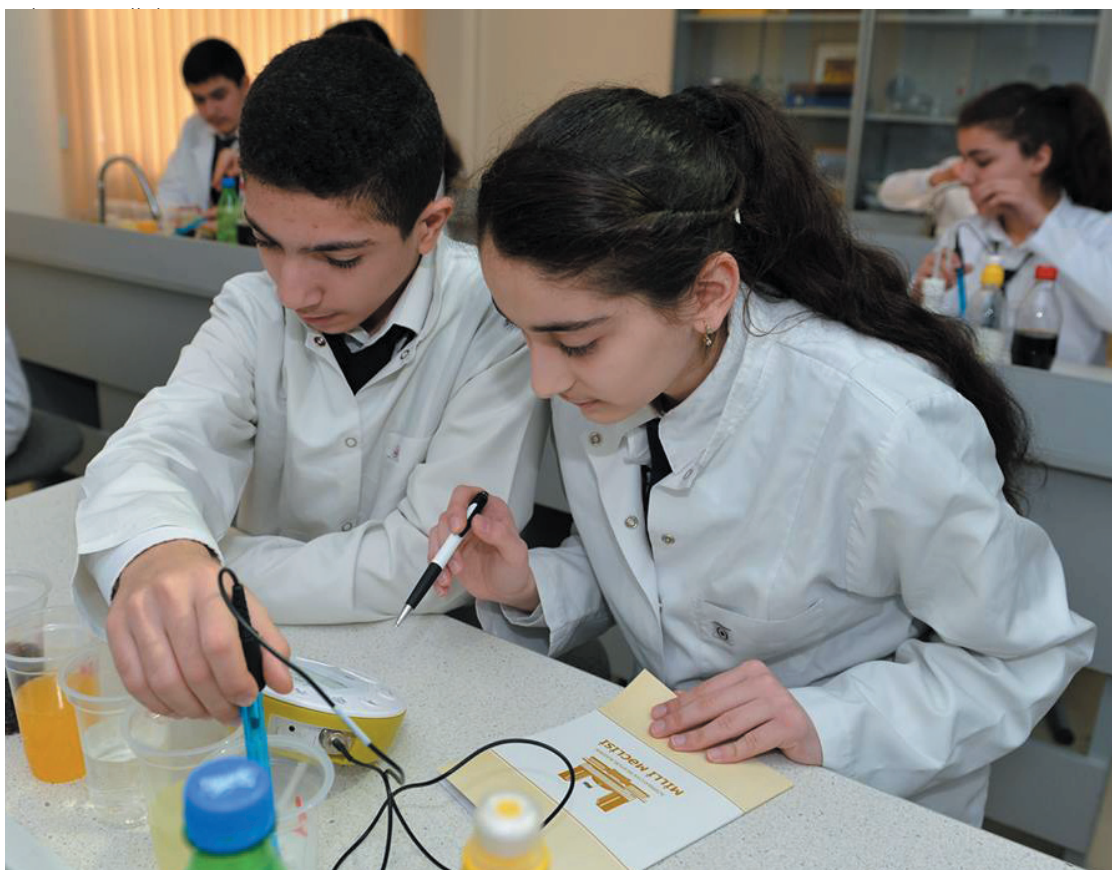
For the first time since receiving independence Azerbaijan purchased equipment of this standard for general education in schools!

The Ministry of Education in accordance with the "State Education Development Strategy" announced the start of the exciting new pilot for Azerbaijan education: "The Labdisc data recording device operates as a complete laboratory with 15 built-in wireless sensors. The device is fully integrated with all major school technology and equipment through wireless communication. By connecting to computers, netbooks, interactive boards and tablets, the system provides high-performance wireless access to the laboratory. This provides an opportunity for teachers and students to interact during the lesson and at the same time save on technological costs."



The Pilot Takes Off

The pilot was launched across 50 high schools throughout Baku for a period of 12 months. Every school received two Labdisc science carts (each containing 16 Labdisc for Physics and 16 for Biology and Chemistry). All Labdisc software and experiment books were translated to Azerbaijani and experiment guides were correlated with the local



Behind Every Successful Pilot is Successful Training

At Globisens, we believe that teacher training is much more than just explaining how to use the Labdisc functionality, especially given the highly intuitive nature of the product.

Teacher training is about support, optimization and consistent results:

The intensive 3-day workshop for teachers aimed to empower educators in applying practical and inquiry based teaching to their science classrooms. The first day focused on Labdisc operation, sensors and analysis software. The second day divided participants into groups per science subject. Each group performed two to three science experiments that tied in with their subject. For example, physics teachers performed experiments in mechanics, sound wave and electricity. On the third day, teachers create their own science investigations with the Labdisc. The 3-day training provides a



Anurag, science teacher::

"Today we had very interesting experiments: sound waves, free fall, force and acceleration. I'm very pleased with this technology and will use it in school."

solid understanding of the system's functionality and how to use it per subject area. However, the Globisens-designed and fully localized peer-to-peer training program was only just beginning for the participating teachers!

Getting Social

A more long-term and unique element was developed for the training program, designed to engage and support teachers with weekly activities over 6 to 12 months. Leveraging the social media platform, a special Facebook group was established for the community of educators that could share resources, knowledge and information about the science projects their classes were performing with the Labdisc.

Project moderators were appointed, a group of teachers from both the local distributor and Globisens. Their task was to review all content uploaded by teachers every week, sustain the project's momentum by posting original activity ideas and suggesting science experiments to support the syllabus for the coming week.

The response was remarkable. Excited to be using the Labdisc, teachers shared ideas and uploaded their students' lab reports, graphs, photos and video clips every week to the Facebook group.

Shirin, biology/chemistry teacher:

"Today was our last day of training. No doubt, we learnt a lot during these 3 days on a professional level. However, for me it was also important to build new connections with my colleagues. I'm sure that our students will feel the benefit of what we have learnt thanks to the Globisens invention and training team."



A little healthy competition to keeps things interesting

The high visibility and engaging nature of the Facebook page and competition proved Win-Win for educators and local ministry of education. The growing attention was harnessed with a series of competitions for “Best Experiment of the Week”. At the end of the project The Vice Minister of education has awarded the winning schools for “Highest number of experiments with results shared on Facebook” and “Most interesting experiment/project”.

Aliya, physics teacher:
“I am in wonder of the Labdisc and GlobiLab course... it will help make physics more fun as a science.”

Motivated Teachers Means Motivated Students

The pilot's impact report analyzed product usage levels and improvement in student motivation towards science. The report awarded the Labdisc technology with 6.7 out of a maximum 7 points.

Our Facebook group:

<https://www.facebook.com/groups/1582913395254937/>

launched for the pilot and was active during the pilot period – March 2015 – March 2016. You may check the large amount of pictures and videos, uploaded by the teachers participating in the pilot.

Azeri ministry of Education Facebook page about our pilot:

<https://www.facebook.com/media/set/?set=a.405923896236174.1073742192.163633840465182&type=1>

Azeri Teachers on national TV:

<https://www.youtube.com/watch?v=HAiVWco9cvio>

This is the main news channel. Please check from minute 14th.

About Globisens

Founded on 15 years of global innovation, Globisens brings trusted industry knowledge and proven leadership in the development and production of science education tools. The launch of the Labdisc line has revolutionized the science and environmental education markets, with a 21st Century learning tool that integrates with the latest technologies and educational trends.