

We love
TUMO.

We made an amazing trip to
Armenia, experiencing Tumo
Center for Creative Technologies
right where it all began.

- Willempe Vrins, Project Lead TUMO Amsterdam

TUMO



STUDIERS



NEXT

- INTRO
- WHAT IS TUMO
- TUMO CENTRE YEREVAN
- TUMO CENTRE GYUMRI
- TUMO CENTRE DILIJAN
- CAFE #2
- TUMO BOX ARTIK
- TUMO LABS
- TUMO STUDIOS
- TUMO AMSTERDAM

Seeing how this incredible program was designed, built, and grown into a global network for youth was super inspiring.

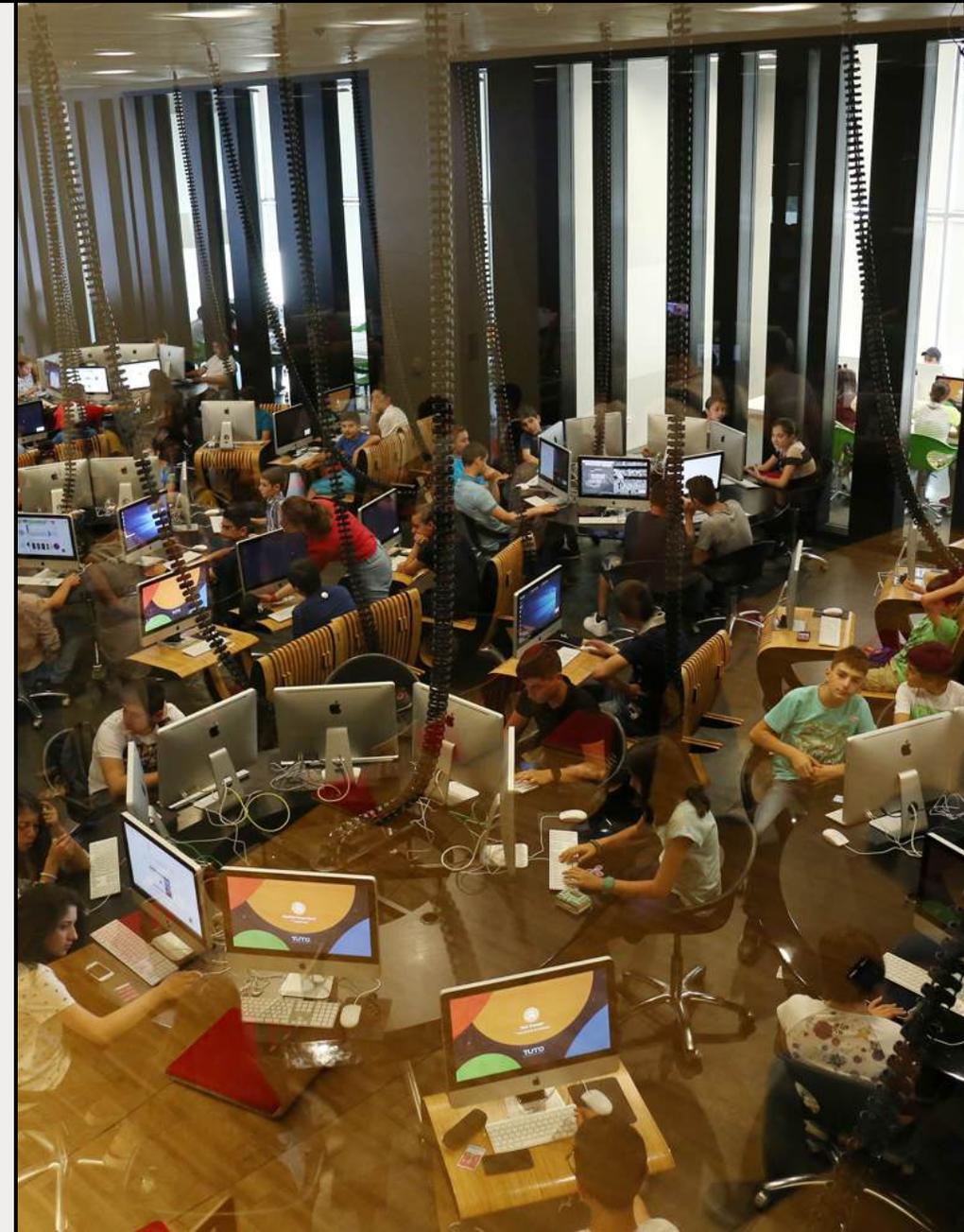
- Willempe Vrins, Project Lead TUMO Amsterdam

INTRO

In May 2024 the founding partners of TUMO Amsterdam embarked on a study trip to Armenia, the home base of TUMO, The Center for Creative Technology. As part of the development of OBA Next, the library of the future which will be based in Amsterdam Souteast, TUMO Amsterdam will open its doors in January 2025. This booklet details our journey and provides insights into the various TUMO centers we explored, highlighting their unique features and the impact they have on the local communities and beyond.

TUMO's mission is to empower every teen with the freedom to dream big, explore their passions, and build the skills and self-confidence necessary to shape their future. The TUMO Center for Creative Technologies offers a free educational program that places teens in charge of their own learning. With a growing international network, TUMO is dedicated to expanding its innovative approach to education across the globe.

NEXT



It felt like looking 10 years into
the future and has fired us up
even more to launch TUMO
Amsterdam!

- Willempe Vrins, Project Lead TUMO Amsterdam

WHAT IS TUMO

The TUMO Center for Creative Technologies is an after-school program that enables teenagers to take control of their own learning journey. Each week, more than 25,000 teens, aged 12 to 18, engage with the latest advancements in technology and design through self-learning activities, workshops, and project labs.

TUMO's program covers diverse focus areas, including computer programming, animation, game development, robotics, 3D modeling, filmmaking, and graphic design. The learning approach is hyper-personalized, allowing students to create unique learning paths that evolve with their abilities and interests. Beyond technical skills, TUMO emphasizes soft skills such as teamwork, initiative, empathy, effective communication, creativity, and time management.

NEXT



Bringing TUMO abroad not only provides improved 'access' and life changing learning experiences, it continually pushes us to improve, as we adapt and grow with our partners – exciting times ahead!

– Chris Shahinian, Head of TUMO international



TUMO Centre Yerevan





The TUMO staff were all so friendly, service oriented and open. They are so committed to all the TUMO initiatives worldwide. It feels like one big family who talk about the TUMO programmes with such dedication and pride.

- Nanette Schippers, Program manager Digital Innovation

CENTRE YEREVAN



NEXT

The first TUMO center, opened in 2011, serves as the heart of the network, with 10,000 students visiting each week. It is so to speak the mothership of TUMO. The impressive building houses TUMO and rents out the upper floors to tech companies. The revenue is reinvested in TUMO, to make the TUMO program in Yerevan self supportive.

Inside the building there are open spaces with students working in their TUMObiles. It is incredibly calm, even when at opening time, 750 students arrive through the door. Due to the great self learning program the students know where to go and what to do. And if they have a question the TUMO coach, recognisable through there TUMO red coats will guide them and answer every possible question.

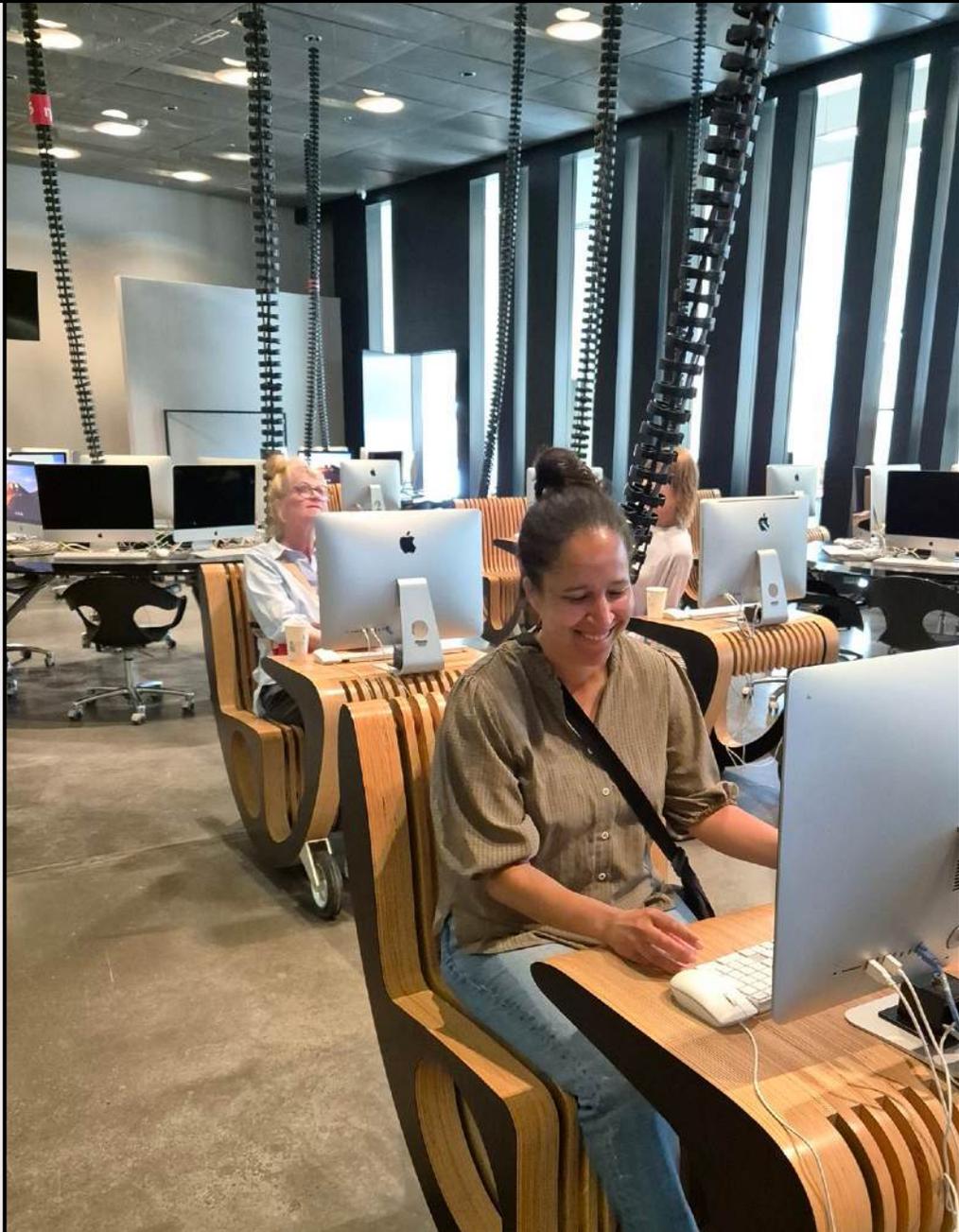
Around the self learning area there are plenty of workshop rooms. Here the students follow workshops around different subjects. There is also a robotics room, a music room, a recording studio, a film studio and a general assembly hall where the students can present their work.

During our visit to Yerevan we spoke to the students, the coaches, the engineering team, the content team, the center manager and the directors Pegor and Mari Loe Papazian. All staff are geared towards making learning as pleasurable as possible with an eye for every detail.

The program is so well made and the expressed enthusiasm is just contagious! This feeling of pride and enthusiasm is also visible when the kids enter. It makes me want to be a kid all over again.

- Nanette Schippers, Program manager Digital Innovation

CENTRE YEREVAN



NEXT





HELIX F450
F450 Quad DIY Starter Kit

Includes:
• F450 Frame
• 4 Brushless Motors
• 4 8T ESCs
• 4 Propellers
• 1 HP 4-6S Flight Controller
Requires: Radio, Battery, Charger, Accessories, Assembly Required

Build It Your Way!

R 14 550 Ω	R 70/2 71 B Ω	R 76 Ω	R 22 20 Ω	R 33/22 30 24 R 35	R 47/39 43 26 Ω	10 nF 22PF
---------------	---------------------	--------	--------------	--------------------------	-----------------------	------------

Through this visit I am confident TUMO Amsterdam is going to be a big success. We are now part of the TUMO family and they have got our backs.

- Nanette Schippers, Program manager Digital Innovation

TUMO Centre Gyumri



CENTRE GYUMRI

TUMO Gyumri - Armenia's second largest city- was established in 2015 and houses in the historic theater building, with a capacity of up to 4.000 students. This building not only serves a TUMO Centre, but also has reclaimed it's original role as a cultural hub for all residents of the city.

The impressive building, designed the Lebanese architect Bernard Khoury houses student spaces on the ground floor level, a theater area with a pivotal stage with room for 200 students, a kitchen, 3d printing lab, a robotics room, music room and many other workshop spaces.. The impressive roof acts as connection between the interior and exterior activities that can occur, tucked below a grand canopy whose mirrored underside reflects the vibrant happenings of the center to the surrounding city.

The vibrant red color on the outside and the inside provide a great contrast between the new and the old. It provides a sense of seriousness and play.

NEXT





What I loved (besides the clouds and fantastic landscapes) was the professionalism of the teams wherever we would go, always genuinely welcoming and truly bright people.

- Stephanie Lalanne, Sofronie Foundation



CENTRE GYUMRI



NEXT

ԹՈՒՄՈ ԳՅՈՒՄՐԻ

Շինությունը կառուցվել է 1860-ականներին՝ քաղաքի բնակիչների հանգանակություններով: 2015-ին ՀՀ կառավարության կողմից Թումոյին վստահված շենքը հնարավոր դարձավ վերականգնել շնորհիվ **Ճոն և Հասմիկ Մկրտիչեան հիմնադրամի: Շանթ հեռուստաընկերության և Հայկական բարեգործական ընդհանուր միության** հետ համագործակցության շնորհիվ, բացվելուց մինչ 2020-ին թատրոնի շենք տեղափոխվելը, Թումո Գյումրին հյուրընկալվել է **Գյումրիի տեխնոլոգիական կենտրոնի** կողմից:

TUMOGYUMRI

This building was built in the 1860's with funds raised by the residents of the city. It was entrusted to TUMO by the **Government of Armenia** in 2015 and restored thanks to the generosity of the **John and Hasmik Mgrdichian Foundation**. TUMO Gyumri moved here in 2020 from the **Gyumri Technology Center** where it had previously operated thanks to a public fundraising campaign by **Shant Television** and in partnership with the **Armenian General Benevolent Union**.



I also love the idea that they are at the top of tech and modernity, in a very traditional culture and a country that suffered so much from conflicts and earthquakes.

- Stephanie Lalanne, Sofronie Foundation





They always look for improvement to give as much opportunity to grow to the young generation, and are fully part of (re-)building of their nation they are so proud of.

- Stephanie Lalanne, Sofronie Foundation

TUMO Centre Dilijan





We learnt a lot, and I am sure over time more learnings and insights will pop up when we are triggered by a context. But what stays with me most is the learners.

- Astrid Poot, Strategic advisor OBA Makerspaces

CENTRE DILIJAN



NEXT

TUMO Dilijan opened in 2013. This centre - which is housed in the former library building - is connected with 10 TUMO boxes, thereby offering the program to many students from rural areas. On the top floor there is a hostel situated including a roof terrace. It's revenues are supporting the local TUMO program.

CENTRE DILIJAN



NEXT



Even in the biggest space there was a great focus and the happy buzz of people creating. Not silent, but lively. Not alone, but in contact.

- Astrid Poot, Strategic advisor OBA Makerspaces



CAFE #2



CAFE #2

Café#2 is the first youth and community café in the region, an example of a social entrepreneurship, that was established with the support of the IDeA Foundation and the TUMO Center for Creative Technologies. The idea of the café was to develop a unique socializing platform in Dilijan for the local teens to communicate and develop social activism and grassroots initiatives on the grounds of the café.

We recruit teens at the age of 14 and above to work as waiters and waiter assistants — so, we have become the place for their first professional orientation where they can try themselves in the hospitality area.

NEXT



STUDY TOUR



NEXT



We're thrilled to be launching our first center in the Netherlands and multiple centers internationally in 2025, allowing us to truly build a global community of changemakers!

- Chris Shahinian, Head of TUMO international

TUMO BOX ARTIK



I found the whole experience incredibly inspiring and it was fantastic to get a glimpse into what the students would be accessing and working on in the TUMO Amsterdam location when it launches

- Brooklyn Thirkettle, Global STEM Programme Chair

BOX ARTIK

TUMO is structured into centers and boxes. To make the TUMO experience accessible to every teenager in Armenia, 5 TUMO centers are located throughout the country. Each center is connected to one or more of the 23 TUMO boxes in smaller or rural communities, forming a hub that allows local youth to access TUMO's self-learning activities locally and only commute to centers for workshops and labs using a specially organized transportation system.

The TUMO boxes function as a satellite to the TUMO centers providing the space for the students to do their self learning. The boxes are staffed by a TUMO coach which have access to the centrally located TUMO team and support system.

NEXT



STUDY TOUR



NEXT



Most notably for me was seeing a TUMO box in action. I love the innovative way TUMO has deployed centres in more rural locations to ensure the TUMO programme is accessible to students throughout the country, removing location/transport as a blocker for student opportunities to access learning

- Brooklyn Thirkettle, Global STEM Programme Chair

TUMO LABS



I must confess that I have never witnessed an initiative that so well has managed the combination of effectivity and creativity.

- Chris Sigaloff, Project Lead OBA Next

TUMO LABS



Besides the TUMO Centers and boxes the TUMO Labs were launched in 2019. The Labs are currently being implemented as part of a partnership with the European Union. Anyone over the age of 18 can participate in the program designed specifically for TUMO Labs focusing on programming, technology and creating innovative solutions for societal challenges. Currently it is located next to the TUMO Center in Yerevan and will move to a newly designed building by MVRDV. The Labs function as a hub for education, research, and startup industries including an incubator programme. It aspires to create an open platform while building a vibrant community, bringing together students, young professionals, and both local and international companies. Additionally the Lab also houses School 42, a well-known computer programming school geared towards young professionals initially established in France.

TUMO is standardized where it can and completely free where it should. This makes it possible to develop a first class global brand providing quality, effectiveness and local sensitivity everywhere they go.

- Chris Sigaloff, Project Lead OBA Next

TUMO STUDIOS



When I walked into TUMO Studios my eyes lit up, taking a break from the world of digital creation where we had spent the morning. It's so beautiful how Armenia's artisanal heritage comes back to life here, such as embroidery, ceramics, jewelry and clothing.

- José Remijn over TUMO studios, Manager OBA Maker spaces

TUMO STUDIOS



Housed in a beautiful historical building in the center of Yerevan are the TUMO Studios which offer technical development and design training in ten distinct areas: jewelry, ceramics, embroidery, printing, fashion, accessories design, wood carving, stone masonry, production design, and cooking. The Studios empower the next generation of Armenian designer and artisans. They are for young adults and again free of charge. While the most of TUMO is geared on digital technology it is here where the focus is on analog products

– beautiful things you can touch, wear, taste and smell; things you can cherish and use in your daily life; tangible things that add quality to the everyday.

Young people are linked to local professionals who teach them the techniques of these ancient crafts to keep them alive. The crafts are translated into modern times and new art and utility objects are create and sold in their own shop and through all kinds of small local shops throughout Yerevan!

- José Remijn over TUMO studios, Manager OBA Maker spaces



The Studios gave me a lot of inspiration for the OBA Makerspaces, where we are now experimenting with opening it up to 16+

- José Remijn over TUMO studios, Manager OBA Maker spaces

TUMO AMSTERDAM



TUMO AMSTERDAM

Inspired by the innovative and impactful work of TUMO, we are excited to bring this concept to Amsterdam. The first TUMO center in The Netherlands! Our visit to Armenia has reinforced our commitment to creating an inspirational environment for the youth in Amsterdam, fostering creativity, technical skills, and a sense of community.

The TUMO Amsterdam will be part of the of OBA Next - the new library of the future- and located in Amsterdam Southeast, Kraaijenest. Its doors will open in Januari 2025 as part of the temporary location of the OBA Next Lab.

NEXT





TUMO is much more than an educational program. It is symbol for hope and pride for the youth of Armenia. And rightly so! I am so proud TUMO is coming to Amsterdam and I hope it create the same sense of pride and hope for our youth”

- Charissa Sloote, Program manager department of Innovation

The travelers on this study trip were composed of members of the founding partners of TUMO Amsterdam:

Willempje Vrins

Project Lead TUMO Amsterdam, OBA

Chris Sigaloff

Project Lead OBA Next

José Remijn

Manager OBA Maker spaces, OBA

Astrid Poot

Strategic advisor OBA Makerspaces, OBA

Charissa Sloote

Program manager department of innovation,
City of Amsterdam

Nanette Schippers

Program manager Digital Innovation,
City of Amsterdam

Brooklyn Thirkettle

Global STEM Programme Chair, Just Eat Takeaway

Stephanie Lalanne

Sofronie Foundation

The other founding partners who were not part of the trip are:

Ayden

www.adyen.com

Miro

miro.com

Artinjo Sprangers & Marieke van Dijk

Design, Studio idiotēs

Study trip TUMO

obε

2024