

# 1ID Platform for EDU

<https://tbs.tech>



# Leverage Microsoft technology stack to close security gaps and enable new ways of teaching

TBS has built an end-to-end solution for remote learning that incorporates multiple systems and various custom applications into one integrated platform for managing user identity and access.



## CHALLENGES

Because of the pandemic, Bulgarian Educational System was forced to switch its traditional learning teaching method overnights. To secure effective and efficient digital transition TBS created a single platform that can carry out online learning, automate the user lifecycle and provide exchange of learning content.

## IDEAL SOLUTION

Simple and reliable platform allowing teachers to connect with their students daily, plan and hold meaningful lessons, and effectively assess student progress in a challenging digital environment.

## DESIRED OUTCOMES

Students were able to attend classes, share resources, and interact without physically being together. All school activities were carried out successfully using any device, thanks to centralized identity management and a single sign-on process.

# 1ID Platform for EDU

## carries out effective and efficient online education

Telelink Business Services developed a single sign-on platform (<https://edu.mon.bg/>) that provides a secure connection between various applications automating students' and teachers' lifecycle. The platform ensures virtual classroom space and integrates among multiple custom applications, with high levels of data security.



### Project Objectives

- secure reliable and efficient interaction between students and teachers
- provide a flexible learning process and diverse learning solutions
- incentivize innovative teaching methods
- increase student engagement and provide a seamless learning experience
  - support students with technology throughout the entire learning journey
  - set up a single sign-on platform entailing available solutions, with minimal administration from faculty staff
  - increase speed of Microsoft 365 adoption and consumption

### TBS Engagement

- provide professional consulting and software governance services
- develop a cloud adoption roadmap and plan the transition to Microsoft 365
- create an end-to-end software management self-service platform
- design and develop a single-entry point site managing the student profile lifecycle
  - integrate multiple learning and teaching systems with Microsoft Teams
- provide management and support services related to the adoption of a remote learning environment

# Measurable results



## Business Outcomes

11D Platform empowered online learning at national level in Bulgaria. Schools quickly shifted to online classes and maintained a healthy and vibrant school life. Students were able to attend classes, share resources, and interact without physically being together. SharePoint was utilized as an online repository where all students were able to access teacher-created lessons, presentations, and homework, regardless of their physical location.

Microsoft OneNote, Microsoft Forms and Microsoft Teams combined allowed schools to organize admissions processes and student-parent meetings entirely online.

## Measurable results

- 1,200,000 accounts created (students, teachers, administrators, school leaders, parents)
- 420,000 unique Microsoft Teams users daily
- 665,500 active Microsoft Teams groups
- 14,600 managed devices
- 2,646,000 Microsoft Teams meetings weekly
- 4,300,000 Microsoft Teams channel messages weekly
- Over 100 integrated applications
- School-based digital transformation enabled.

# CASE STUDY

At the onset of the Covid-19 pandemic in March 2020, Bulgaria's k-12 education was 100% based on physical attendance at school. However, with the rapid spread of the pandemic across Europe and the world, Bulgaria's entire education system was forced to immediately switch to an online mode. As the situation's dynamics required a swift change in tools and mindset, decision-makers encountered various technological and organizational difficulties to make the shift.

TBS created and deployed a solution to manage a significant number of users – over 1,200,000 accounts for students, teachers, administrators, school leaders, and parents. This resulted in creation of a unified statewide e-learning system that enabled remote learning across K-12 education. TBS solution is built on Microsoft technology stack – websites are hosted in Microsoft Azure, applications are built on Azure Kubernetes Service, Azure App Service and Azure Functions, customer-specific systems are integrated with Microsoft 365 and Microsoft Teams.



## Addressing customer needs

Design and development of a single-entry point site (<https://edu.mon.bg/>) managing the complete lifecycle of the student profile – from user creation to graduation. Integration of multiple learning and teaching systems with Microsoft Teams.

## Suitable for every user

Day to day remote learning process is facilitated by the supply of necessary access, authentication, and authorization for all user types to the different applications and resources, which are part of the platform. This provides the flexibility of offering an equal quality of digital content to every user according to their specific needs.

## Something from our clients

**When it comes to online education, the single identity works well, and we're very pleased. We use it to carry our professional learning for teachers, teacher association meetings, school board meetings, and even for school admission processes – everything is channeled through edu.mon.bg. The platform also integrates e-textbooks, an incredibly convenient complimentary. Teacher-led content, apps, student work – everything is gathered in one place!"**

**Kina Kotlarska, Principal, Emiliyan Stanev K-12 School, Veliko Tarnovo**

# 1ID Platform for EDU

---

- Contact: [Todor.Kostov@tbs.tech](mailto:Todor.Kostov@tbs.tech)
- Mobile: +359 87 9980120
- Learn more: <https://tbs.tech>

