

# SABIS® Builds a Scalable, AI-Ready Global Education System with the Lumen On-Demand Network

How SABIS® partnered with Lumen to scale performance, reduce risk, and build a future-ready global education network.

## SABIS®

<https://www.sabis.net>

- Global education system operating in 21 countries across five continents, delivering educational excellence for more than 78,000 students and educators.
- Relies on scalable, on-demand network infrastructure to adapt bandwidth to peak academic periods and seasonal demand shifts.
- Building a scalable, high-speed network today to help ensure readiness for the AI-driven world of tomorrow.



### Challenges

- Fixed bandwidth limited flexibility during peak academic periods
- Exams and certifications create predictable but high-stakes demand spikes
- Latency or downtime can directly impact student learning outcomes
- Global operations require consistent performance across regions

### Solutions

- **Lumen® Network-as-a-Service** (NaaS): On-demand bandwidth scaling
- **Lumen® Internet On-Demand**: Flexible capacity aligned to academic demand cycles
- **Lumen® Colocation Services**: Secure data center hosting for core SABIS systems

### Results

- Reliable, high-capacity connectivity for exams and educational assessments
- Flexible bandwidth aligned to the academic calendar
- Improved readiness for data-driven analytics and AI-enabled learning
- A scalable foundation to support future growth and innovation

## 78,000 students & educators

Processing millions of data records daily to deliver consistent digital learning worldwide.

## 1G → 10G

Upgraded from fixed internet to a 10G NaaS UNI port for peak demand needs and flexible bandwidth.

## AI-ready future

Scalable connectivity supports future AI workloads without disruption for global education network.

## Challenge

### Supporting global education with consistent, always-on connectivity.

SABIS® operates a global education system where success depends on reliable access to online learning platforms, assessments, certifications, and academic data. Schools are physically distributed across regions, and the level of network maturity varied from one location to the next. Despite this, the expectation for the classroom remained constant: digital systems must be available, responsive, and reliable at all times.

Historically, SABIS relied on traditional connectivity models such as fixed internet. While effective for steady operations, these static networks struggled to accommodate traffic surges during peak academic periods such as exams and certifications. During these moments, thousands of users accessed systems simultaneously causing latency and performance degradation that created operational risk and threatened the student experience.

**“In education, downtime is not an inconvenience; it is lost learning time,”** said Raymond Khoury, senior manager of IT infrastructure at SABIS. As digital learning became central to SABIS’s mission, the organization needed a network foundation capable of scaling without over-provisioning—while maintaining consistent performance globally.

## Solution

### A flexible, software-defined network built for academic demand

SABIS partnered with Lumen to modernize its connectivity strategy by implementing Lumen® Network-as-a-Service (NaaS) at its Minnetonka, Minnesota data center. The solution replaced a traditional 1-gig fixed internet circuit with a 10-gig NaaS UNI port, enabling SABIS to flexibly scale bandwidth based on real-time academic needs.

With Internet On-Demand, SABIS can increase capacity within minutes during peak periods such as exams and certifications, and scale back during off-peak months – driving significant cost savings. This flexibility aligns performance with demand and prevents permanent over-provisioning. Redundant connectivity paths and high-availability infrastructure further support uninterrupted operations across the global network.

Equally important, the on-demand approach puts control directly in the hands of SABIS’s IT teams, allowing them to

respond quickly to changing academic and operational requirements without lengthy provisioning cycles.

### Solution Set

- **Lumen® Network-as-a-Service (NaaS)**
- **Lumen® Internet On-Demand**
- **Lumen® Colocation Services**

“Lumen has been an incredible partner – both technically and personally. They bring a level of expertise and partnership to the table that you don’t often find with providers. **It’s a relationship built on trust.**”

– Wissam Kousseifi, Senior Manager  
IT Systems

## Results and Future Plans

### Reducing academic risk while preparing for the future of education

With Lumen Network-as-a-Service, SABIS operates with greater confidence during the academic moments that matter most. Exams, certifications, and synchronized global learning activities are supported by a network that delivers consistent performance and near-instant responsiveness, to help reduce both operational and educational risk.

The flexible, on-demand network foundation also supports SABIS’s data-driven approach to education. Large data sets move quickly and reliably across the global network, enabling timely insights, early interventions, and continuous academic monitoring—without disrupting day-to-day operations.

As SABIS continues to expand globally and explore AI-enabled learning tools, the organization is positioned with a future-ready connectivity foundation that scales alongside its educational mission.