

# Technology Solutions to Transform Education



Liberty Networks can provide the tools, technology, and network required to evolve, and transform the education sector. Here are some of the needs we help tackle:



Accelerate e-learning initiatives



Develop new solutions that adapt to limited budgets



Improve student outcomes



Minimize downtime



Optimize learning experiences in blended modality



Centralize control over IT resources, infrastructure, and staff

## Breaking the technological barriers of the educational experience

The learning landscape is constantly changing. Today, schools of all sizes and budgets need tools that empower smart classrooms and distance learning:

- Solutions and platforms that enable better communications between educators, staff, students, and parents.
- Simplify complex IT management tasks.
- Ensure the school can focus on providing world-class education without forcing legacy and outdated solutions to adapt to the new world of learning.



“Technology will never replace great teachers, but in the hands of great teachers, it’s transformational.”

George Couros<sup>1</sup> – Author of “The Innovator’s Mindset” and “Innovate Inside the Box”



# Connectivity and Security Challenges

## Challenges

- Schools must constantly work to monitor and manage an ever-expanding network mesh where schools, students and teachers connect from anywhere, on any device, to participate in new learning experiences. With one important caveat: many of the circuits and devices being used, are not part of their purview.
- Low speeds and disconnections interrupt the learning processes and make administrative work much harder.
- Protecting the network edge is increasingly important, but many schools lack the resources and the expertise to make the right decisions regarding this protection.



“[Technology] Infrastructure matters in distance learning.”

Diana Hincapié<sup>II</sup> – Education Division of the Inter-American Development Bank

## Our Solutions

### Managed DIA

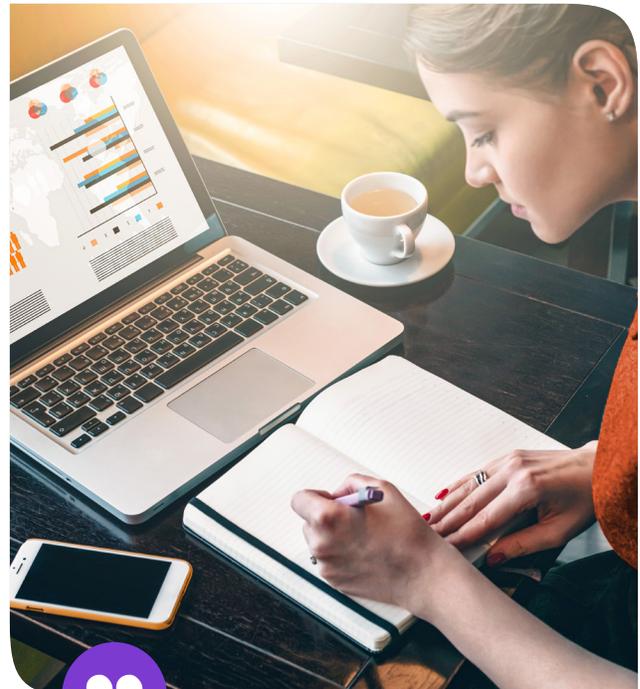
- High-speed private connectivity increases efficiency for both face-to-face and distance learning
- Better support for bandwidth-heavy educational apps and communication services
- Our SLA guarantees that your critical workloads, applications and services are available when you need them

### Secure EDGE

- Protect your users and network from malicious activities with a leading expert managing your network perimeter

### Private Connection

- Streamline connectivity between sites
- With this solution, school networks can connect more reliably to central datacenters and applications, optimizing expenditure
- Eliminate information silos that would otherwise prevent different departments and locations from sharing information freely on a day-to-day basis



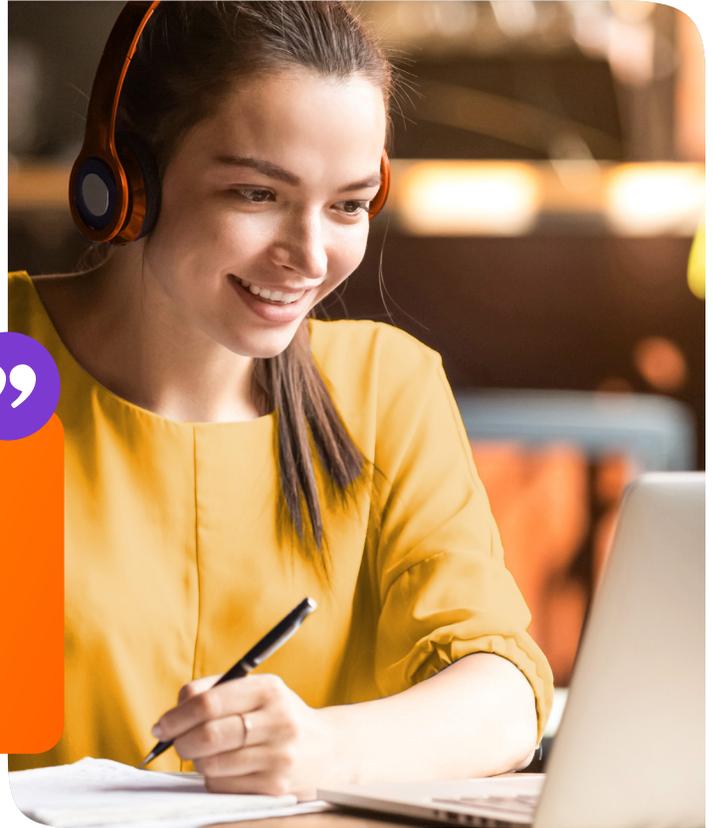
“The implementation of technology will become a must and a minimum requirement to respond to the academic demands of today and the future.”

Javier Arroyo<sup>III</sup> – CEO and Co-Founder of Smartick

## Collaboration Challenges

### Challenges

- Teachers educating from home should exchange ideas and best practices collaboratively and develop new content to serve students in this new environment.
- Parents and teachers need to find new ways to communicate beyond the school gates and partner in students' education.



“Since 2020, parental participation has quickly moved to the top of the agenda in education.”

Rebecca Winthrop<sup>IV</sup> –  
Co-Director of the Center for Education

## Our Solutions

### HCS and MyUC

- The power of blended learning: from students who learn from home to digital classrooms, Liberty Network's collaboration powers interactions that enhance traditional techniques with new and powerful capabilities.
- With support for numerous types of devices and easy-to-define accessibility rules, you decide how and when educators, students, and other stakeholders can connect to each training session.
- Facilitates collaboration between colleagues from other institutions for the development of relevant content.
- Constant communication and collaboration between schools, families, and other administrative and governmental entities.

## Agility and Flexibility

### Challenges

- The process of delivering and managing learning requires more and more software elements that function in an infrastructure that is reliable, private, and safe.
- There is no Cloud without connectivity. The increasing focus on software solutions puts more pressure on resources from the network.

## Our Solutions

### Managed SD-WAN

- Connecting staff, face-to-face students, and remote students to school resources without issues, regardless of their inbound network.
- Ensure educational continuity with load-balanced, fault-tolerant network configurations.
- Optimize package delivery for the applications and services you need the most: video calls, voice-over IP, unified communications, and more.
- Facilitate a better exchange of information between educators, administrators, parents, students, and others by prioritizing various types of files and applications.

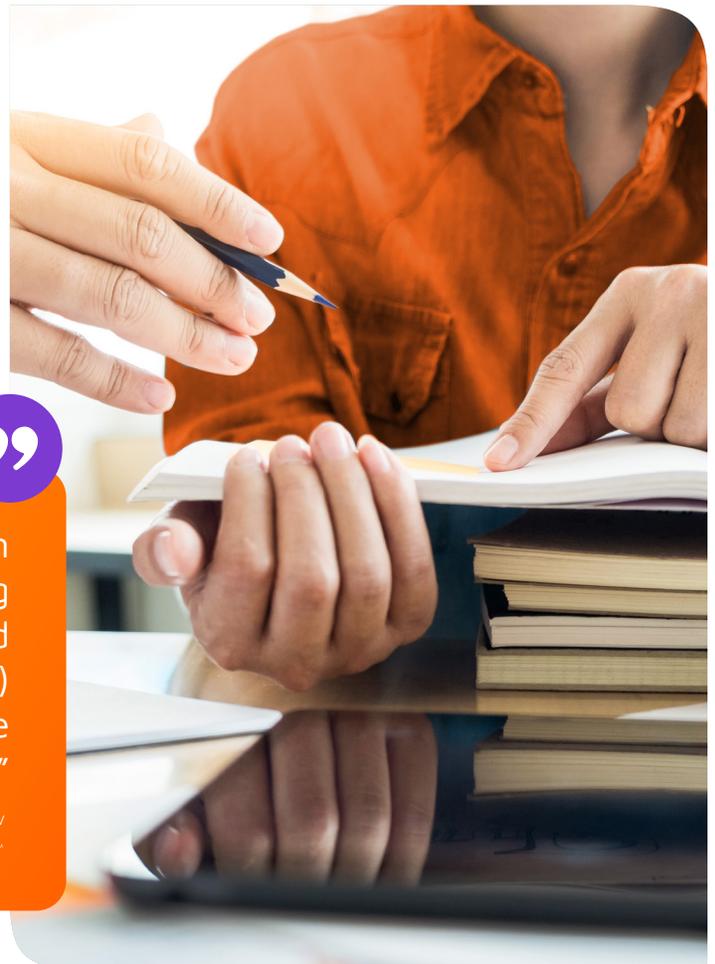
### Cloud IT

- Migrate critical information systems such as learning management solutions and school management systems to the Cloud.
- Create an agile, resilient, and scalable infrastructure managed in the Cloud.
- Reduce costs by activating and deactivating resources as needed.
- Optimize and right-size your infrastructure, maximizing ROI.

## Technology in the classroom

### Challenges

- The connectivity problem will become more of an issue as more students return to a newer and more connected classroom, which will affect work at all levels, from the classroom to the IT Department.
- Slow connectivity can decrease the exchange of information, hampering educational efforts.
- Current wireless solutions may lack active monitoring, firewalls, and other basic security and privacy needs.



“Schools are more dependent on wireless networks than ever, but growing traffic (due to returning students and the number of devices they carry) can create strains that damage the educational environment as a whole.”

**CISCO**<sup>Y</sup>

# Our Solutions

## Managed WiFi

- Scalable and smart: students have more and more wireless devices; you can feel better knowing that your network is designed to cover the increased load.
- Reliable and flexible connectivity wherever students connect from. We help you design, implement, and manage it all.
- Liberty Networks manages policies and monitors the network, freeing up IT staff to focus on tasks requiring local intervention.



“Information Technologies (IT) are already an irreplaceable and fundamental part in the daily life of educational centers.”

Carolina Riquelme<sup>VI</sup>-  
Master in Science Research  
Methodologies Social Sciences  
and PhD in Sociology  
and Anthropology



## Why Liberty Networks?

At Liberty Networks, we partner with enterprises, carriers and business communities to enable a better future. We provide the technology infrastructure and offer the support they need to streamline their operations and take their business to the next level.

With our expansive network infrastructure, next-generation solutions portfolio and vast datacenter network we provide a solid foundation for business success.

I. <https://www.efe.com/efe/america/sociedad/unesco-la-tecnologia-no-va-a-reemplazar-los-docentes/20000013-3320397#:~:text=Seg%C3%BAn%20la%20directiva%20de%20Unesco,estudiantes%20manejan%20estas%20herramientas%20digitales.>  
II. <https://politica.expansion.mx/sociedad/2020/07/28/sin-internet-no-hay-educacion-virtual-durante-la-pandemia>  
III. <https://forbes.co/2020/04/06/tecnologia/la-educacion-ya-no-puede->

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V. <https://thejournal.com/-/media/DDD6569BA9B94A769A7AE03B7882037D.pdf>  
VI. <https://www.knotion.com/news/la-importacia-de-la-tecnologia>