



## What are some of the key factors for the education sector to invest in 5G adoption?

The future of education

[Deloitte.com/5G](https://deloitte.com/5G)

**5G is expected to bring significant economic and social benefits in the coming years**, proving to be the area of great interest that has been debated over the past few years...

**US\$13.1 trillion** potential global sales in 2035 enabled by 5G across multiple sectors, which represents approximately 5.1% of all global real output...

**\$13.1 Trillions**

**\$264 Million**

Of these, **US\$264 million** are directly related to the education sector, which represents 3.6% of all production in the sector.

The 5G **ultra-fast speeds**, lower latency and the ability to connect a massive number of mobile devices, could enable new and improved opportunities **to increase equal opportunity to education** with distance and remote learning.

## 5G Value for higher education

**Enhanced learning experience**

5G will leverage **the use of new learning platforms based on augmented reality (AR) and virtual reality (VR) technologies**, thereby contributing to a better learning experience for students

**Increased access to education**

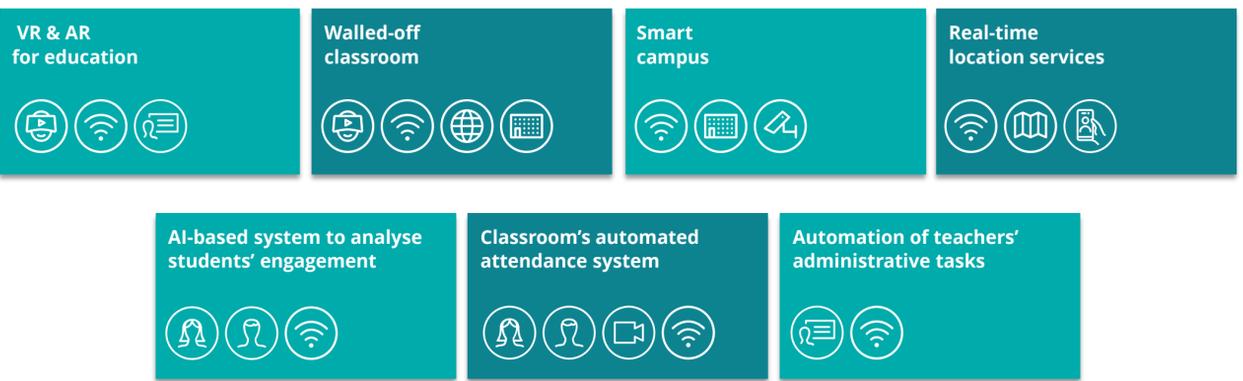
5G can be used to **live stream lessons in real-time with a UHD 8K resolution**, improving access to education in rural areas

**Greater inclusivity in assistance**

5G can potentiate the **use of robots to make higher education more inclusive** by delivering the connectivity needed for these robots to respond in real-time

The bandwidth and responsiveness delivered by 5G networks would leverage **the use of AR/VR technologies in education, enhancing students' learning experience.**

## 5G Use case for Education



Several use cases related to **5G in the education sector are under test or have been implemented in universities around the world**, helping to provide enhanced learning experience

## How can Deloitte help?

Deloitte translates business and industry needs into technical requirements delivering value added end-to-end 5G solutions that can lead to **meaningful business outcomes.**



**IDEATE AND PRIORITIZE**

Select the areas to be improved with 5G use cases, ideating, identifying and prioritizing the top 5G use case opportunities



**DEVELOP THE BUSINESS CASE**

Formulate the operational benefits of the 5G use case(s) defined and associated business case value proposition



**DESIGN TECH REQUIREMENTS**

Define and design use case technical solution architecture and requirements, considering deployment strategies and application requirements



**BUILD AND EVALUATE**

Start with a point of contact (PoC) first to monitor and evaluate the 5G use case(s) performance and then proceed with global rollout



**OPERATE AND MAINTAIN**

Define overall governance, operating model and procedures to ensure the sustainability in business as usual (BAU)

Sources: Deloitte TMT Predictions 2021, Huawei, IDC, Gartner, The Business Research Company

## Contacts

### Leaders



**Craig Wigginton**  
5G Industry Leader  
Deloitte Global  
cwigginton@deloitte.com



**Pedro Tavares**  
5G Offering Leader  
Deloitte Global  
petavares@deloitte.pt



**Gustav Jeppensen**  
Sector Leader  
Deloitte Global  
gjeppensen@deloitte.com

**General enquiries:**  
[Global5G@deloitte.com](mailto:Global5G@deloitte.com)  
[Deloitte.com/5G](https://deloitte.com/5G)

### 5G Experts



**Hugo Pinto**  
Associate Partner gTEE  
Deloitte Portugal  
hupinto@deloitte.pt



**Pedro Sanguinho**  
Senior Manager gTEE  
Deloitte Portugal  
psanguinho@deloitte.pt

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