

PRESS RELEASE

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## NOS AND BENFICA PRESENT THE FIRST 5G STADIUM IN PORTUGAL



- **The Sport Lisbon and Benfica (SLB) stadium is the first in Portugal to be equipped with fifth generation mobile communications**
- **The 5G Stadium will allow an increase in network capacity, higher speeds and more immersive experiences**
- **NOS and SLB strengthen their technological partnership to lead the digital transformation of football**

NOS and Benfica today present the first 5G Stadium in Portugal. Leader on the road to fifth generation mobile communications in Portugal, NOS challenges everyone to embrace the future and do for the first time everything that no one has done before. Reflecting this determination, NOS has equipped the Sport Lisbon and Benfica stadium with 5G coverage, enabling fans and the Club's entire organizational structure to get the most out of the most disruptive features of this new technology.

5G, the new technological revolution, will give the more than 65 thousand fans of the Sport Lisbon and Benfica Stadium an experience of access to mobile internet 10 times faster on average and with speeds of more than 1 Gbps. That means almost instantaneous downloads and uploads of photos and videos, or video calls without any interruption, while the stadium is filled to full capacity.

Network capacity will also be greater, and it will be possible to process a much greater volume of data within the stadium. Before the pandemic, with the public present, the average volume of data per game was more than 1 Terabyte, and the expectation is that with 5G this figure will double or triple, depending how many people use the technology. By equipping the Sport Lisbon and Benfica Stadium with 5G technology, NOS is thus preparing itself to respond to the exponential increase in traffic expected in the future.

5G will radically transform the experience of fans attending games at Benfica by giving access to contents in a totally immersive way, thanks to the combination of 5G and technologies such as virtual or augmented reality. Access to game statistics or players in real time, the option of choosing the angle from which to see the game, activating in real time one of the many cameras which are being used for the broadcasting of the game, or the possibility of streaming video live, are some of the numerous experiences that football fans can have in the first 5G Stadium.

According to Manuel Ramalho Eanes, Executive Board Director of NOS, *“this is a technological landmark of huge relevance for NOS, both in terms of the building of our road to leadership in 5G, and the transformation of the Sport Lisbon and Benfica Stadium into a highly digital and intelligent sporting arena, unique in Portugal. When 5G becomes a reality, we want to be the first to deliver it to people and businesses, and, with football being a natural environment for technology to develop, it makes perfect sense to create right now all the conditions for this to happen”*.

Rui Costa, Vice-President of Sport Lisbon and Benfica, says *“Sport Lisbon and Benfica is a club where innovation is at the heart of its strategy. This is a transformational project. Being the first 5G stadium in Portugal is a reason to be proud. The technology will enable Benfica to get even closer to its members, fans and supporters. It means an improved experience in the stadium for all our fans and for Benfica as an organization”*.

Over and above the major revolution in terms of experience for fans, the NOS 5G network will have a direct impact on the way that Benfica operates, by allowing communication between technical teams to be optimized, measuring player performance accurately and accessing statistics and tactical analyses in real time. At the same time, it will also benefit all the services connected with the normal working of the Club, such as television broadcasts made from the stadium or commercial and restaurant services.

The 5G cover in the Luz Stadium is provided by a system of 5G antenna located in each of the highest points of the stadium, which ensures full coverage in the stands and is complemented by a system of 5G cells for coverage of strategic areas of the stadium such as the Press Center, the Presidential Box or the NOS Box.

The technological project involved a team of more than 20 professionals working over the last 6 months. The synergy between NOS and Benfica opens the way to an era of great ambition and differentiation in football with 5G as the catalyst for an entertainment experience never seen before.

## About NOS

NOS is the biggest communications and entertainment group in Portugal. It offers latest generation fixed and mobile phone, television, Internet, voice and data solutions for all market segments. With a network ready for 5G and by making Matosinhos the first 5G city, NOS has positioned itself at the forefront of the implementation of this new technology and of the innovation associated with intelligent cities and the development of 5.0 societies. NOS has more than 4.9 million mobile phone, 1.6 million television, 1.8 million fixed telephone and 1.4 million fixed broad band Internet customers.

For more information, please go to <http://www.nos.pt/institucional>