

The new Mosaic Stadium is a tech marvel



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The new 33,000-seat [Mosaic Stadium](#) is a technological marvel—and SaskTel is proud to have installed the stadium's entire communications network infrastructure.

A project this big has never been seen before in SK. We asked our Senior Project Manager, Ben Cousineau, to share his insights on this massive endeavour.

What can we expect at a game or concert?

An amazing, world class fan experience. Whether in your seat, in the concourse, (or even if you're Tweeting in the washrooms) you'll get blazing fast speeds on LTE and SaskTel selectWi-Fi. There are 415 TVs throughout the building so you never have to miss any action.

How different is the new Mosaic Stadium tech from the old one?

It's a massive leap from the old stadium. Cellular capacity is 7.5 times greater than the old stadium with room to grow in the future. Our goal was to build so much capacity, that half the stadium (16,000 people) could stream an HD video at the same time.

Plus our [SaskTel selectWi-Fi network](#) has three times as many Access Points (700+) throughout the building—and they each have a higher capacity. It's roughly four times the Wi-Fi network capacity of the old stadium. So more fans can connect to Wi-Fi, get quicker access to HD video, and upload their photos/videos to social media even faster.



How massive is the wireless infrastructure?

It's like we built a small city's communications network—from scratch—inside a single (huge) building. Put it this way: imagine if Moose Jaw threw a huge party with every single one of their citizens attending and EVERYONE was uploading videos and photos to social media.

To pull this off, we installed over 36 kilometres of fibre backbone cables in the stadium (that's as long as the road from Regina to Pense) and 200 kilometres of CAT6 cable (the distance from Saskatoon to Bethune). And this is incredible—there are enough TV broadcast cables to handle over 400 simultaneous video broadcast feeds. Meanwhile, fans in private suites can watch a number of [maxTV channels](#).

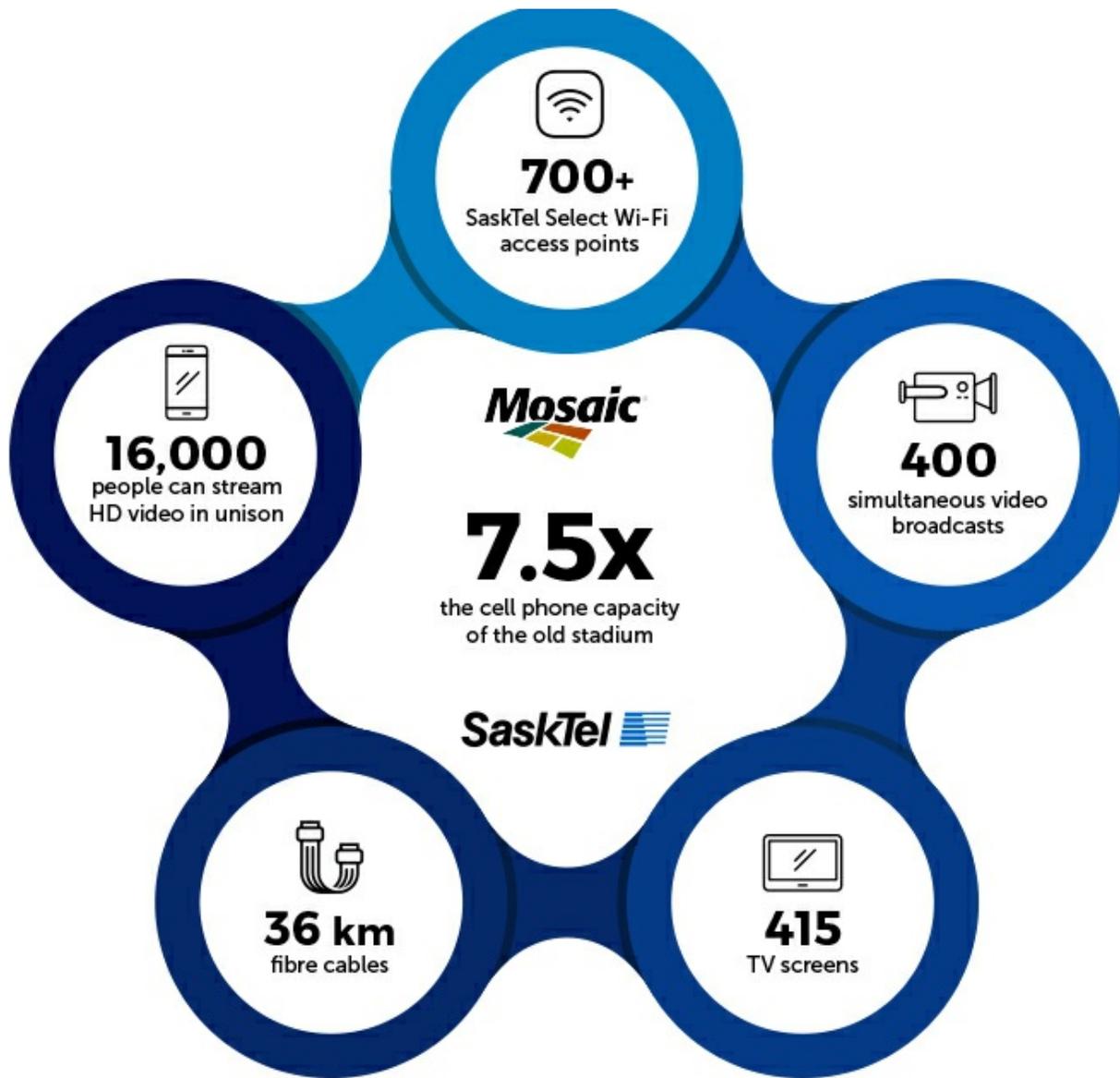


What's your favourite/coolest tech innovation in the stadium?

It has to be the [MatSing Antennas](#). They're the white globe-shaped antennas (nicknamed the dingle balls) hanging from the rafters. These multi-beam antennas deliver extremely high LTE capacity, which improves network performance and will really enhance Riders fans' mobile experiences. This is the first permanent deployment of MatSing Antennas inside of a stadium—it's really exciting to be part of a world first.

Come try our network for yourself. The Riders' first preseason game is on Saturday June 10, and the Riders' season opener (and epic Canada Day party) is on Saturday July 1. You can also see [Guns n' Roses](#) on August 27 or watch a [Rams](#) game this fall.





New technology