

VERIZON
UP TO SPEED LIVE
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[Music].

>> What is 5G?

For most people 5G means faster.

You might have heard the example about how fast you can download a movie.

But there's more to it than that.

5G stands for fifth generation the next evolution of wireless technology.

And it represents a massive step forward that will revolutionize entire industries.

But not all 5G is the same.

In fact most of what's advertised as 5G is only slightly faster than current 4G offerings.

But with Verizon 5G Ultra Wideband we have built something completely different our

5G runs on radio frequencies just like 4G but at a higher frequency known as

millimeter-wave and thanks to our spectrum assets at a much larger bandwidth it's the

fastest 5G anywhere in the world with more speed more capacity and lower latency than traditional 4G.

All that translates into experiences even closer to real-time.

Which means it can do things like bring augmented, virtual and extended reality vividly to life for consumers.

Increase speed and accuracy for all types of industries like healthcare and smart manufacturing.

And support massive IOT deployments that will change our we live, work and play.

And just like you've heard a lot about 5G you may also have heard about something called Edge Computing.

Multi-access Edge Computing or MEC for short takes the burden of computing power and related infrastructure off the consumers device and out of the businesses office and puts it all in the cloud.

But instead of that cloud server being hundreds or even thousands of miles away MEC brings the computing power as close to the end user as possible or as one might say right to the edge of the network.

The end result is that consumers and businesses get access to cutting edge processing power without constantly having to upgrade systems, download applications or invest in expensive equipment.

And the close proximity at which the Edge Computing is being performed means the data has a shorter round-trip which makes for near instantaneous responses.

There are other benefits, too.

By offloading the processing burden from the end device you open the door to a number of exciting possibilities on that front like new form factors better battery life and even lower cost options. When you put all of that computing power at the edge of the network the network you're using matters more than ever to get the most out of MEC you need 5G for its massive increases in speed and number of supported devices and dramatically reduced latency.

Think of it this way, if MEC is the rocket then our 5G Ultra Wideband is the rocket fuel. Our 5G Ultra Wideband network provides the perfect platform to harness the full potential of Edge Computing.

We partnered with Amazon Web Services to bring the 5G mobile Edge Computing platform to developers everywhere across all of our strategic partnerships at our 5G Labs and through all of our 5G innovation programs we're enabling the next generation of innovators to push the limits of 5G and Edge Computing.

Here are just some of the use cases that are currently in development.

Augmented commerce.

Real-time quality control.

AI assisted healthcare.

Public safety.

Drone automation and inspection.

Online and mobile gaming.

And autonomous vehicles.

And that's just a start.

Every day the demand for real-time enterprise keeps growing.

And 5G Ultra Wideband and Edge Computing will be there to meet it.

>> I'm Mike Moore CEO and co-founder of Ice Mobility. Ice provides supply chain services to Verizon and all of Verizon's retail partners the goal is to make sure the customers have the right product on their shelves when they need to sell it and one of the ways to achieve this we double-check every single shipment so it has the right product in the box this can add a lot of time and a lot of cost.

One thing that's really exciting we're working with Verizon and Microsoft using 5G and Edge Computing to automate and improve our quality control process through computer vision.

We're able to do this by installing high definition cameras in every one of our pick lines.

These cameras are powered by the 5G MEC network.

What you're seeing in the video is automation for what people were doing before so matching the data for that particular order to what the high definition camera is looking at inside the box to validate it's the right material and then flagging it if it's not.

The great thing about the MEC it literally knows the entire journey of the product it knows the product it knows the customer it knows what the worker is putting in the box it eliminates the quality control step but more importantly increases accuracy because now you have an automated process doing it.

Without frankly the 5G MEC we couldn't do this on an automated basis.

[Music].

>> I have a 37-year relationship with Verizon it's the first place I went and then when I heard that they were partnering with Microsoft, it kind of sealed the deal for me we have always been a Microsoft house for everything we do in our business and it became a natural selection at that point the next step is really the transformational step really learning the full power of the 5G MEC network to be doing things completely different.

Using our high definition cameras for many different things such as security, social distancing and contact tracing.

Frankly we're just getting started.

There's a long list of opportunities created by the technology.

[Music].

>> The NFL is back.

And you could be watching free live football on your phone with your friends.

Just download the app.

Allow your location.

And get live local and primetime games to watch together, start a room, pick a game, invite your friends and catch the action together.

Because on the Yahoo Sports app you get free live football with friends.

[Music].

>> I'm a Verizon engineer.

And I'm part of the team building Verizon's 5G network.

Today is a really big day for us.

Because today we're turning on 5G across the country.

And this is the 5G America has been waiting for.

With a coverage of 5G nationwide.
And in more and more cities the unprecedented performance of Ultra Wideband.
The fastest 5G in the world.
It's 25 times faster than today's 4G networks.
25 times.
Yeah, it's pretty incredible.
I'm excited about how it will change your phone and how it will change the way
businesses do everything.
I'm proud because we didn't build this the easy way, we built it right.
This is the 5G America has been waiting for.
Only from Verizon.

>> This year teachers are learning new ways to teach.
Parents are learning to lesson plan and young minds are learning a new normal.
This year we are all students.
At Verizon we're enabling the education that students deserve.
With credential teacher training, free lesson plans for parents and tech-enabled
students for schools nationwide.
It's Citizen Verizon in action.
Our plan for economic, environmental and social advancement.

>> Hi my name is Damion Ross I'm one of the founders and President of TD Sports.
And our basketball product is called ShotTracker.
ShotTracker is a sensor based technology it tracks statistics and analytics providing
real-time data to coaches, broadcast partners, fans, and players all with subsecond
latency.
Basketball is constant activity up and down.
Latency is so, so, so critical.
One thing that we're doing that's really exciting is demoing our ShotTracker technology
over Verizon 5G and AWS wavelength.
This allows us to see the delta between the traditional process which is 4G and this
accelerated amplified process that utilizes both 5G and MEC.
You can distinctly see the difference in the speed of ball movement.
When I think about what 5G and Edge Computing can do, I think about coaches.
I think about them getting access to this video and data anywhere in the facility.
It may be in the locker room at half time or sitting on the bench during the game.
All delivered in real-time.
When you think about being able to take this data and incorporate it into the broadcast,
latency is even more important.
We're really excited about what 5G and MEC will provide to the market.

We've been waiting on this for so long and the time is now.
It's finally here.

And it will revolutionize the fan experience, the viewing experience, and how we consume data in sports for the rest of our lives.

[Music].

>> I didn't know that I was going to be the opening speaker at the March on Washington DC.

I don't think anybody what we were walking into other than the feeling that it was necessary and we had to be there.

>> I see this as a moment of taking feminism back.
Making feminism a project that all of us can share.

>> Black lives what.

>> Black Lives Matter.

>> When I put the hashtag in front of Black Lives Matter I was like we're going to make this thing go viral.

>> I still remember the exact moment when we hit the publish button.

>> We watched with wonder as the story started to take off like wildfire.

>> Everybody was like oh good look now we have a movement and I'm like no Me Too is a tiny part of a large movement that's been happening for decades.

>> I got a call saying a bunch of us are going to gather do you want to come over and join us I said yes because I was mad.

>> This is before we had the name Time's Up someone slammed their hand on the table saying time is up on all of this behavior and it's like oh that's our name.

>> There's a renaissance happening inside of Hollywood.

>> I remember calling my attorney like if I say this, are we sure it's true.

>> On behalf of women everywhere I will brag I am the highest paid showrunner in television.

[Cheers and applause].

>> United States Congress certainly was not built for young women but it's really young women of color who have pushed forward for so many changes and that's turned the power dynamic here in Capitol Hill on its head.

>> The world and country is changing, it's been changed.

And I think we have an opportunity this time to do it right.

There are some people who think that we are post civil rights we're post feminism therefore we're post intersectional.

I can't see how we're post anything and I can't see how we can possibly think we're done.

[Music].

>> You never want to see a change on your account you didn't make.
My name is Sariana I work at Verizon with double-check we ask you to approve requested changes on your account before they happen not after that way if something happens if you ship out something to a different address or change your user ID or you added someone on the account we're going to make sure it's you that's doing it.
No one else.
Introducing double-check.
Your extra layer of security.
So you never have to worry.

>> Hi, I'm Chris Rock.
Oh it's not about me.
I get it.
No zoom in on it the new iPhone 12 Pro with 5G meets Verizon 5G Ultra Wideband you want me to turn around.
Pow, this is a game changer.
5G just got real, man.
Remember when the song in the summer took the whole summer to download one time I waited 51 minutes for Janelle Monae's dirty computer to download that's longer than the whole album but these G's don't blink iPhone and Verizon ain't playing around remember when you tried to watch bigger and blacker by the time it downloaded I was older and thinner.
Now, done.
Remember when you could only watch the NFL on TV.
Remember when you didn't have five different camera angles and replays.
Football just got 5G real.
Remember when the only way multiplayer gaming worked was WiFi boom legendary fast with Verizon 5G remember when you found out eSports was a real thing and kids half your age was making twice your salary.
>> Yep.
>> Remember when I tell you to clean your room.
>> Nope.
>> You remember when your allowance is due you never forget that.
iPhone on Verizon 5G.
This is going to change everything.

5G just got real.

Pow.

Feedback Ultra Wideband now in more and more cities.

[Music].

(Standing by for audio).

>> Please stand by.

>> Voice their choice tomorrow.

We caught up with V Teamers voting for the very first time tomorrow and no doubt they are very excited to cast their ballot let's see what they said.

>> My name is Cameron I'm a solutions specialist from Moncks Corner South Carolina.

I'm a first time voter this year because I just turned 21 in February.

I wasn't able to vote in the most recent Presidential Election prior to this one it feels good to be a first time voter it's important to me especially now I did vote in the midterms last year I would definitely say the Call to Action would be to go out and vote because it's our civic duty and we don't have anything to complain about if we don't vote in the first place.

>> I'm Josue Silva I'm a supervisor in telesales in Nevada I wanted to share my first time voter experience I became a citizen in 2019 the first thing I did was register to vote that's something I always wanted to do for the very first time three days ago I was able to walk into a polling place cast my vote and walk out with a little sticker that says I voted but beyond the sticker I felt something I had never felt before I felt a great sense of pride knowing that my vote counted.

Many of you may think your vote doesn't count the fact of the matter is that every single vote counts so I encourage everyone to stay at school.

Verizon is making it extremely easy this year by giving you some time to perform your civic duty so whether you voted already or you need to drive someone to vote or whether you need to actually go out and vote yourself I encourage you to take that time make it happen make your voices heard.

>> It is a fantastic message for first time voters and a great message for everyone to cast that ballot we're thankful to have those four hours and make sure you are looking at some of our volunteer opportunities during Election Day as well.

Now on Election Night you're going to want to tune in to Yahoo.

Log onto Yahoo.

Check out the Yahoo 2020 Election Center.

Let's take the next slide please you'll find new features to make it easier to track the 2020 election with maps of key races including the Presidential, Senate and House races, as well, with voting results coming in in real-time of course including reports, live reports, from our Yahoo election teams you'll also find the Key States feature to break down swing state results a comprehensive look at one of the most important nights in American History don't forget to check out the Yahoo 2020 Election Center. Now, it is a new month.

Happy November.

I don't know where October went.

But just around the corner of course let's take our next slide it's our November Leadership Forum and just like our last Forum the Up to Speed team will join Hans at Noon Eastern Monday November 9th we are looking for your questions so send all of your questions to the email live@Verizon.com.

We are looking forward to hearing from you.

Finally, let's talk about why we're here in Hoboken.

It's nice to get out of the living room for once it's beautiful and windy out here.

But it wasn't long ago we actually turned on the 5G network here in Hoboken of course all across the country we're nationwide now obviously the iPhone we're very excited about that but here in Hoboken like many places there are businesses that have obviously seen some challenges in 2020 they are looking to bounce back.

Our team working on the 5G network thought you know what, what an opportunity for us here to team up with some of the businesses, help them connect with their customers and really make sure that they bounce back strong in 2020 with that in mind here is how we're doing it here in Hoboken New Jersey.

Check it out.

>> I'm Christian Guirnalda I run Verizon's 5G Labs the reason we created the Business Impact Challenge we wanted to help small businesses.

We got off the ground super, super fast.

Each of these small businesses has a Verizon Inseego 5G Ultra Wideband hotspot and Ultra Wideband devices phones that they can start using today to go power things like their point of sale check their check-in/checkout management even how they communicate with each other like using the other Verizon solutions like OneTalk or BlueJeans.

>> This is like making a good friend who will help you out in your time of need.

>> It's going to give us more avenues to reach more people.

>> The 5G the faster connection has been a huge help.

Speeding up transactions and keeping things flowing.

>> We're showing that it's real.

That it's here.

These devices are helping them do all the things that they need to to survive in a post-pandemic world.

5G is the thing that's right now starting to make an impact.

I know we're going to help focus up and down Main Street like never before.

>> ANDY CHOI: And there you have it live in Hoboken now just outside of Joey No Nuts Cafe, Jess Dyer joins us the co-owner of Joey No Nuts Cafe of course this is a nut free coffee shop and we saw Jess in the video, talk to us about what you and your husband have built here in Hoboken.

>> Last year we opened the coffee shop we decided to do it nut free because our daughter has a nut allergy we wanted a safe place for her as well we also wanted to offer it to the community at large because we know a lot of schools are nut free a lot of parents have no options really in the area so that's why we did that.

>> It's fantastic and the families that were coming here this morning, it's nice to know for them that there's a place to go to make sure there's a great way to start your day talk to us about what 2020 has been like for you and your business obviously it's a new business and then the pandemic happens but here you are, you're still operating strong.

And you're still making sure you're making connections here in Hoboken.

>> Right and so 2020 hit.

It was six months into our business.

And we weren't sure what we were going to encounter.

We lost a lot of our commuters.

But we actually found that our community who was then working from home was able to come and we started to grow a different kind of customer base.

So we have -- it's almost like we have a whole new different set of people coming to our shop.

And they have been keeping us afloat this whole time so we've been very lucky.

>> ANDY CHOI: That's fantastic that's great of course we have been very excited about the 5G network which you've been enjoying here in Hoboken talk to us about the partnership and being able to work with us and connecting not only your customers but really you've got your kids at distance learning and remote learning here in the coffee shop as well.

>> That's right my daughter is in kindergarten she started it remotely we come back and forth.

We live across the street so we go back and forth between the shops.

The 5G has been really helpful to getting us connected and keeping us able to flow with our POS system and with my daughter on her school.

And we're going to see how the other things that Verizon is going to implement will be helping us out.

In the long run and helping our customers to enjoy their experience whether they are

sitting outside for the time being or when they come inside we can utilize a lot of different programs to help us get over the hump through this pandemic.

>> ANDY CHOI: It's wonderful what you're doing here in the community and great coffee of course.

>> Thank you.

>> ANDY CHOI: Check it out Joey No Nuts Cafe 7th and Willow here in Hoboken and finally Jess a message out there for anybody watching who may be dealing with a similar story, small business that wants to bounce back, what's your message for those businesses out there?

>> Don't lose faith.

Everything -- we'll get through this.

And technology has been our saving grace throughout this.

So utilize what you can.

And thank you to our community for helping us out through this.

>> ANDY CHOI: We're honored to partner with you.

And we're wishing you all the best.

>> Thank you so much.

>> ANDY CHOI: Thank you for joining us here on Up to Speed.

Before we go, very quickly, I want to let you know there's a big football game coming up here the Bucks and the Giants of course and by the way the 5G super stadium app will be accessible tonight nationally and the NFL customers with the iPhone 12 go ahead and check out on Verizon our handles for that as well as we say goodbye in beautiful Hoboken thank you so much for watching the live broadcast to all of our small businesses out there we're thinking of you and looking for all different ways to make those connections with you both big and small businesses all across the country thank you for watching, V Team until next time, you're Up to Speed.