0:1:48.190 --> 0:1:51.100
Upstairs Board Room
Walking once again to the manufacturing Matters series.

0:1:52.30 --> 0:1:55.890
Upstairs Board Room
My name is Deji Ayoola from Mali Industries.

0:1:57.270 --> 0:2:5.510
Upstairs Board Room
Today we'll be talking about a lock in the future of ambulances and vehicle modification.

0:2:6.180 --> 0:2:19.820
Upstairs Board Room
So male Industries, a leader and manufacturing of ambulance to help save lives of wheelchair accessible vehicles to enable independence and for bodyguard liners to help protect vehicles.

0:2:20.870 --> 0:2:25.390
Upstairs Board Room
Have you ever wondered where the ambulances you see on the street in your browser comes from?

0:2:26.680 --> 0:2:31.930
Upstairs Board Room
Well, Wanda, no more the manufactured right here in New Brunswick at Malley Industries.

0:2:32.820 --> 0:2:33.750
Upstairs Board Room
What if I told you?

0:2:33.760 --> 0:2:35.670
Upstairs Board Room
Then you could be a part of the team in the future.

0:2:36.880 --> 0:2:44.30
Upstairs Board Room
Uh, we it takes all of special skills to make this product happen, and a lot of the talents are here locally as well.

0:2:45.510 --> 0:2:51.320
Upstairs Board Room
So today I would like to take you through the journey of manufacturing and an ambulance and then this journey.

0:2:51.330 --> 0:2:54.450
Upstairs Board Room
I'd like to showcase all the special skills people that we have doing this.

0:2:56.420 --> 0:2:57.900
Upstairs Board Room
First of all, like to use myself?

0:2:59.430 --> 0:3:1.760
Upstairs Board Room
As I said, my name is Deji.

0:3:1.870 --> 0:3:2.890
Upstairs Board Room
I'm a professional engineer.

0:3:3.880 --> 0:3:15.280
Upstairs Board Room
Ohh, I graduated from Lakehead University in Ontario, Thunder Bay in mechanical engineering from an early from an early age.

0:3:15.290 --> 0:3:23.810
Upstairs Board Room
I've been interested in understanding how things work and fascinating on how to make things to help improve people's life.

0:3:25.680 --> 0:3:29.730
Upstairs Board Room
Like most of you, my favorite subject is basketball.

0:3:29.820 --> 0:3:38.250
Upstairs Board Room
I mean, Jim, class, when I was in high school, I I enjoyed playing basketball, soccer and also on the track team.

0:3:38.940 --> 0:3:46.680
Upstairs Board Room
I don't get much time to do that this time, but I I remember that and my second subject was math so.

0:3:48.300 --> 0:3:55.90
Upstairs Board Room
Just like a lot of you watching today, you wondering what you want to do a after high school.

0:3:55.740 --> 0:3:57.690
Upstairs Board Room
Same thing when I was your age.

0:3:58.140 --> 0:4:13.370
Upstairs Board Room
I I I wasn't too sure what I wanted to do, but I know that I want to work with something technical, something that could create things and make things with my hand and understand how things work and help improve people's life.

0:4:13.520 --> 0:4:22.950
Upstairs Board Room
And because of that, I went into engineering and my career choice has provided me, ah, a lot of opportunities.

0:4:23.280 --> 0:4:32.230
Upstairs Board Room
The opportunities to explore the world, my career choices have led me to many interesting project been to different countries through my job.

0:4:32.560 --> 0:4:39.990
Upstairs Board Room
I've met a lot of incredible people, so I'm still friends still today and all this experiences have led me to where I am today.

0:4:44.550 --> 0:5:0.240
Upstairs Board Room
So I'll like to talk a little bit about Malley industry, the history of Malley, so Molly Industries story began just over 40 years ago when the fan the Malley family set out in the summer vacation.

0:5:1.70 --> 0:5:5.780
Upstairs Board Room
But really struggled to find a decent accommodation, wanting a better experience.

0:5:5.790 --> 0:5:6.950
Upstairs Board Room
AJ Malley and so on.

0:5:6.960 --> 0:5:9.560
Upstairs Board Room
Terry Malley decided to build their own camper.

0:5:10.470 --> 0:5:19.60
Upstairs Board Room
So people took notice of their craftsmanship and how well they built, and around 1979 Malley industry was created.

0:5:19.210 --> 0:5:30.880
Upstairs Board Room
It was incorporated then in 1985, AJ was asked to build an ambulance for someone who was not satisfied with the quality of ambulances that were available.

0:5:32.110 --> 0:5:36.720
Upstairs Board Room
The deal was made with a handshake and afterwards AJ said to terror.

0:5:36.870 --> 0:5:40.760
Upstairs Board Room
Let's go over to the hospital to see what the inside of name does look like.

0:5:41.50 --> 0:5:43.150
Upstairs Board Room
So the company kept growing after that.

0:5:44.80 --> 0:5:51.450
Upstairs Board Room
Uh, so agent Terry, they shared the drive to create a worthwhile business and meaningful employment right here in New Brunswick.

0:5:52.390 --> 0:6:22.80
Upstairs Board Room
The company has grown considerably and has customers throughout North America and abroad, so most notably, as I mentioned, all the ambulances you see on the road here in New Brunswick are manufactured right here at Mall Industries and today Mal Industries focuses on three main areas of manufacturing Ambulance, which helps saves lives, wheelchair accessible vehicles that enables in independence and thermal formed composite product that protects vehicle.

0:6:25.750 --> 0:6:32.80
Upstairs Board Room
I'll like to show you our shop floor and so you have an idea of where we make all this happen.

0:6:32.450 --> 0:6:35.870
Upstairs Board Room
So as you can see in this video, this is a video of our shop floor.

0:6:36.740 --> 0:6:38.160
Upstairs Board Room
Uh, all the way.

0:6:38.420 --> 0:6:56.760
Upstairs Board Room
What you're seeing right now, you seen the lectrical assembly process where we have electrical technicians working, making harnesses over on the top of your screen there to the left is the matter of application section where we have welders, we have metal cutters and benders.

0:6:56.940 --> 0:7:8.620
Upstairs Board Room
Basically, they caught in the shape and create and construct using metal all the way to the left to the around next to the electrical assembly area.

0:7:8.630 --> 0:7:10.420
Upstairs Board Room
There you see a crusher.

0:7:10.690 --> 0:7:14.740
Upstairs Board Room
So that's where the engineers we test all the new products.

0:7:14.750 --> 0:7:17.580
Upstairs Board Room
We test what we put in the vehicle to make sure it's safe and reliable.

0:7:20.80 --> 0:7:22.920
Upstairs Board Room
I'll play the video once more so you can see it from the right.

0:7:27.90 --> 0:7:30.420
Upstairs Board Room
We also have a paint booth here where we do with paint vehicles.

0:7:30.430 --> 0:7:33.0
Upstairs Board Room
So you see this vehicle right here and it's painted.

0:7:33.70 --> 0:7:34.760
Upstairs Board Room
We vinyl over here too.

0:7:34.810 --> 0:7:38.140
Upstairs Board Room
We'll wrap vehicles over here.

0:7:38.870 --> 0:7:47.500
Upstairs Board Room
It's our thermoforming machine and over here is our CNC machine and all this lines right here is where it would produce the the the ambulances.

0:7:49.960 --> 0:7:54.290
Upstairs Board Room
So I'd like to show you some of the amazing products with manufacturer right here.

0:7:54.800 --> 0:7:57.110
Upstairs Board Room
Well, I will.

0:7:57.120 --> 0:8:5.590
Upstairs Board Room
Ambulance, this is uh, very innovative and a lot of this creativity and innovation is in house with the old skilled people we have here.

0:8:7.400 --> 0:8:13.260
Upstairs Board Room
Our ambulances, as different from the ones that are being produced by other manufacturers.

0:8:13.550 --> 0:8:27.920
Upstairs Board Room
Uh, because we produce our Ambulance on the Type 2, which is on the van chassis, we and also using composite material, we provide more headroom, which I'll show you in a second.

0:8:28.400 --> 0:8:42.620
Upstairs Board Room
And also because we use plastic and not metal and wood inside of our ambulances, we allow the ambulance operators to carry more materials because our Ambulance is way less.

0:8:42.870 --> 0:8:45.150
Upstairs Board Room
Therefore they have more payload.

0:8:46.450 --> 0:8:47.60
Upstairs Board Room
Uh.

0:8:47.370 --> 0:8:57.280
Upstairs Board Room
Our ambulances provide occupant comfort and also because it's light, it reduces the maintenance cost and the overall ownership cost of ambulance.

0:9:0.60 --> 0:9:3.290
Upstairs Board Room
So here is a picture of the interior.

0:9:3.300 --> 0:9:12.970
Upstairs Board Room
While Ambulance, you could see it's made of ABS plastic, which makes it lighter and you see how innovative and clean it looks.

0:9:13.160 --> 0:9:15.550
Upstairs Board Room
All that is all designed right here in New Brunswick.

0:9:17.280 --> 0:9:19.740
Upstairs Board Room
Here's another view of the interior of the ambulance.

0:9:21.980 --> 0:9:22.810
Upstairs Board Room
Here's another view.

0:9:25.890 --> 0:9:28.460
Upstairs Board Room
I'll like to show you a wheelchair, accessible vehicles.

0:9:28.740 --> 0:9:38.600
Upstairs Board Room
So we make which accessible vehicles on commercial full size vans on mobility on minivans as well our.

0:9:38.650 --> 0:9:39.880
Upstairs Board Room
So here's a minivan.

0:9:39.890 --> 0:9:40.780
Upstairs Board Room
We will check accessible.

0:9:42.600 --> 0:9:46.350
Upstairs Board Room
Here's a another van with a lift on the side.

0:9:47.520 --> 0:9:49.950
Upstairs Board Room
He is the interior of our wheelchair accessible vehicle.

0:9:50.840 --> 0:9:53.650
Upstairs Board Room
We have our our wheelchair sets.

0:9:53.660 --> 0:10:3.140
Upstairs Board Room
The vehicles are full customizable, so the chairs you see there could be configured to to fit anyway on that track you see on the floor there.

0:10:4.610 --> 0:10:7.850
Upstairs Board Room
Here's another view of our wheelchair accessible vehicle.

0:10:9.420 --> 0:10:13.620
Upstairs Board Room
And here's another view and the different configuration of our wheelchair accessible vehicle.

0:10:16.880 --> 0:10:20.350
Upstairs Board Room
Over here like to show you our composite.

0:10:21.230 --> 0:10:28.760
Upstairs Board Room
So basically we make liners out of ABS composite material which anyone can install in their vehicles.

0:10:28.770 --> 0:10:32.460
Upstairs Board Room
Or someone could buy vehicle and they want to protect it.

0:10:32.890 --> 0:10:43.810
Upstairs Board Room
They'll install this liners, which we do use in our product as well, and because of lightweight it's it's it gives a competitive edge and people really like this product.

0:10:48.950 --> 0:10:53.630
Upstairs Board Room
I mean, here's the interior look of a Van without liners in it.

0:10:57.880 --> 0:11:3.170
Upstairs Board Room
So the wide variety of jobs involve the manufacturing provides a great opportunity for interest and careers.

0:11:3.380 --> 0:11:56.350
Upstairs Board Room
So here at Malley industry, we provide opportunities in this fallen position I have listed here metal fabricators, CNC operator, a cabinet, Sembler, automotive painter, thermoforming IT technician electrical assembler manufacturer, assembler, quality Control and Inspector Quality Inspector Computated design that's CAD design warehouse personnel, engineering sales and marketing human resources finance and administration IW would like to highlight or concentrate a little bit more about the manufacturing presentations and I will speak a little bit more about metal fabricator since you operator cabinet assembler electrode assembler and manufacturing assembler and upcoming slides we'll before I do that I'd like to.

0:11:56.450 --> 0:12:2.280
Upstairs Board Room
Show you a video of an interior of one of our access.

0:12:2.570 --> 0:12:3.900
Upstairs Board Room
Uh, uh.

0:12:3.910 --> 0:12:15.530
Upstairs Board Room
Wheelchair accessible vehicle so seeing that video, I would like to break down some of the specials for skilled trades that make uh, that's involved in making all this product happen.

0:12:17.400 --> 0:12:27.200
Upstairs Board Room
Sell this is a computer aided drawing which is short for uh long form for CAD or CAD view of the of the video I just showed you.

0:12:28.340 --> 0:12:41.890
Upstairs Board Room
If you look at item number one that was made on the CNC, so to make that product item number one requires one the engineering team to make a CNC program.

0:12:42.0 --> 0:12:49.780
Upstairs Board Room
So that is to make that on the computer and draw it up, and also to translate that to what the machine could understand.

0:12:50.180 --> 0:13:6.660
Upstairs Board Room
And then as placed on this Instant table the same the table executes what we have designed and then item number two that is made in the mail by most times the cabinet makers, they caught the wood.

0:13:6.890 --> 0:13:16.600
Upstairs Board Room
So in this case this wood is used to reinforce everything that would mounted onto that uh item number one, which is a panel.

0:13:22.450 --> 0:13:23.430
Steeves, Amelia
You will see him in.

0:13:19.10 --> 0:13:35.890
Upstairs Board Room
In this other view you will see item number 3, which is a thermal formed panel that was made here on thermoforming machine and the item right in front of item number 3 which is also thermoformed.

0:13:36.180 --> 0:13:37.990
Upstairs Board Room
That is a cover for the heater.

0:13:38.660 --> 0:13:42.410
Upstairs Board Room
So item number 4, that's a cabinet also made here.

0:13:42.880 --> 0:13:46.230
Upstairs Board Room
So that cabinet is made by the cabinet assembler.

0:13:46.760 --> 0:13:53.40
Upstairs Board Room
The cabinet is designed by UH, a collaboration between the engineers and the cabinet.

0:13:53.350 --> 0:14:6.400
Upstairs Board Room
Uh assemblers as well, and the assemblers would instruction to make that cabinet to consistent every time and item number 5 just up there, those are metal reinforcement made by metal fabricators.

0:14:7.70 --> 0:14:17.420
Upstairs Board Room
So I've shown you the breakdown of then example of how all the skills come together to make our product.

0:14:17.870 --> 0:14:24.620
Upstairs Board Room
I will show a video, the video one more time and now you can appreciate the skills and requires to put this product together.

0:14:31.210 --> 0:14:34.100
Upstairs Board Room
So I'd like to speak a little bit more about matter fabrication.

0:14:34.510 --> 0:14:38.310
Upstairs Board Room
I'll show you a video once I give a little description.

0:14:39.420 --> 0:14:43.80
Upstairs Board Room
Uh, of the possible careers involved in mental fabrication department.

0:14:43.530 --> 0:14:51.100
Upstairs Board Room
So many fabrication, they work with metals to cut, to shape and assemble, repair and construct.

0:14:52.150 --> 0:14:58.200
Upstairs Board Room
Uh brought up shapes or products to help people using metal.

0:15:0.500 --> 0:15:7.330
Upstairs Board Room
He is a video of what it looks like in the metal fabrication department, so they're well as well.

0:15:7.540 --> 0:15:14.60
Upstairs Board Room
Here is a sheriff van that was built here and all this was made in the metal fabrication and Mali industry.

0:15:17.370 --> 0:15:19.910
Upstairs Board Room
Next, I'd like to think of all thermoforming, so thermal formula.

0:15:19.920 --> 0:15:35.140
Upstairs Board Room
The process of using heat to to the shape of plastic, so this involves using a thermoforming machine, which is a machine with heated coils.

0:15:36.600 --> 0:15:37.380
Upstairs Board Room
Uh.

0:15:37.410 --> 0:15:56.220
Upstairs Board Room
I a mold which is something made of ABS made of MDF and the the heated plastic is the put on onto the mold and vacuumed and it takes the plastic, takes the shape of the mold.

0:15:56.910 --> 0:16:3.540
Upstairs Board Room
So we have double form in technicians who operate and manage this department.

0:16:3.930 --> 0:16:7.720
Upstairs Board Room
Here is a video of the thermal phone process.

0:16:8.250 --> 0:16:16.550
Upstairs Board Room
So the sheet is heated up and the machine brings the heated plastic onto the mold and there's a vacuum formed.

0:16:17.320 --> 0:16:22.30
Upstairs Board Room
Here are different types of molds we have here at Malley Industries.

0:16:25.900 --> 0:16:28.90
Upstairs Board Room
Next, I'd like to talk about CNC.

0:16:28.100 --> 0:16:30.670
Upstairs Board Room
So a CNC is a computer numerical control.

0:16:31.70 --> 0:16:43.370
Upstairs Board Room
Basically, what that means is we could Draw Something and we could translate our word design intent onto the machine and the machine will cut it out.

0:16:43.720 --> 0:16:51.850
Upstairs Board Room
So instead of drawing something and then having some cutted by hand, we could have the machine cut it precisely to what we wanted.

0:16:51.900 --> 0:16:56.750
Upstairs Board Room
So that is CNC have a short video demonstrate how CNC it operates.

0:17:0.790 --> 0:17:4.500
Upstairs Board Room
So you can see in this video the CNC machine.

0:17:9.640 --> 0:17:14.0
Upstairs Board Room
Is caught in all those shapes and those shapes were designed on the computer.

0:17:16.370 --> 0:17:20.660
Upstairs Board Room
So the person you see operating here is the Instant technician.

0:17:25.350 --> 0:17:32.860
Upstairs Board Room
Not department like to mention highlight or career like US skilled trade or like to highlight is the cabinet dissembler.

0:17:33.450 --> 0:17:37.790
Upstairs Board Room
So the cabinet assembler, they followed the design instructions to put cabinets together.

0:17:38.410 --> 0:17:41.480
Upstairs Board Room
It could be wood, it could be meter extrusions.

0:17:42.290 --> 0:18:16.530
Upstairs Board Room
Uh, typically all uh, this instructions is provided from the engineering department a lot of times, a lot of the design is collaborative, where we have a lot of experience, cognate assemblers and the engineering team, and the assemblers get together and we come up with innovative ways of making cabinets or workstations or floors, basically anything that involves wood, MDF, metal extrusions is done here at the meter assembly department.

0:18:18.250 --> 0:18:19.630
Upstairs Board Room
Sort of Cabinet Assembly department.

0:18:22.240 --> 0:18:25.510
Upstairs Board Room
Northern Korea, like to highlight here, is automotive painting.

0:18:25.630 --> 0:18:41.850
Upstairs Board Room
So automated, automated automotive painters that work on the surfaces of of the vehicle, they they send it, they they primed, painted, not just the vehicles we we paint metals that are exposed to the element.

0:18:42.20 --> 0:18:43.330
Upstairs Board Room
So they don't roast.

0:18:43.640 --> 0:18:47.660
Upstairs Board Room
So basically we installing steel on the exterior of the vehicle.

0:18:47.980 --> 0:18:49.820
Upstairs Board Room
Those are painted before they put.

0:18:49.830 --> 0:18:54.60
Upstairs Board Room
Therefore, they installed so that goes to the to the paint in the apartment as well.

0:18:54.490 --> 0:19:0.520
Upstairs Board Room
Uh, we have a lot of parts, esthetically, that we want to look good.

0:19:1.30 --> 0:19:7.960
Upstairs Board Room
That also goes through the painting the apartment, and we have two paint boots here at Malley Industries.

0:19:9.490 --> 0:19:13.0
Upstairs Board Room
Another career like to highlight is electrical assembly.

0:19:13.350 --> 0:19:21.810
Upstairs Board Room
So in the electrical assembly department, we have electrical assemblers, they assemble and fit electrical electrical components into the vehicle.

0:19:22.490 --> 0:19:43.400
Upstairs Board Room
Uh, so when you say Ambulance, you hear the siren, you see the light flashing all this or assembled by the electric assembler that typically the electrical drawing or design is also collaborative effort between engineering and electrical assembly assemblers.

0:19:44.10 --> 0:19:48.940
Upstairs Board Room
Uh, we come up with a lot of innovative functions.

0:19:49.470 --> 0:20:12.440
Upstairs Board Room
For example, they may say when I get to a traffic light, we want that light to change to green and yes, they do have their features on the ambulances that they could turn traffic lights from red to green, although we don't have a lot of those here in New Brunswick, but a lot of the Ambulance we do manufacture for the for the states, they do have this feature.

0:20:12.780 --> 0:20:23.740
Upstairs Board Room
So all this designs and components installed is is done at the electrical assembly, the payment another.

0:20:25.160 --> 0:20:30.830
Upstairs Board Room
Special skills I'll like to highlight is the manufacturer assembly told manufacturer assembly.

0:20:30.900 --> 0:20:31.610
Upstairs Board Room
This is the.

0:20:31.740 --> 0:20:36.940
Upstairs Board Room
This is the department that puts everything together, so I will go through a video.

0:20:37.180 --> 0:20:37.670
Upstairs Board Room
Basically.

0:20:38.500 --> 0:20:49.50
Upstairs Board Room
Uh, timeline of how we convert our product and you will see where the manufacturers assembly and the importance of this role.

0:20:49.560 --> 0:20:54.280
Upstairs Board Room
So as you can see in this picture, he is installing handrails, right?

0:20:54.420 --> 0:21:8.550
Upstairs Board Room
So a lot of the components like the cabinets, electrical are made by sub assembly and then everything has to be put together into one and this is the function of the manufacturer assembler.

0:21:11.40 --> 0:21:12.390
Upstairs Board Room
I'm going to show you video.

0:21:12.460 --> 0:21:16.710
Upstairs Board Room
Uh, just highlighting the manufacturer and the process here.

0:21:16.720 --> 0:21:18.520
Upstairs Board Room
You see the doing the electrical here.

0:21:18.530 --> 0:21:19.510
Upstairs Board Room
You see, installing metal.

0:21:21.170 --> 0:21:27.940
Upstairs Board Room
It's David ourselves, director, and here's a video showing the ambulance and doing production.

0:21:28.250 --> 0:21:29.700
Upstairs Board Room
This is which are accessible.

0:21:29.710 --> 0:21:31.120
Upstairs Board Room
This is our thermoform machine.

0:21:32.110 --> 0:21:33.510
Upstairs Board Room
During the old production process.

0:21:35.630 --> 0:21:45.500
Upstairs Board Room
Now we'll go through a timeline of from the beginning to the end of how we convert this vans into an ambulance.

0:21:48.100 --> 0:21:51.980
Upstairs Board Room
So here's a cargo van latest video.

0:21:56.320 --> 0:21:56.510
Upstairs Board Room
OK.

0:22:0.850 --> 0:22:2.650
Upstairs Board Room
So this is an empty cargo van.

0:22:3.480 --> 0:22:4.530
Upstairs Board Room
There's nothing in it.

0:22:4.540 --> 0:22:6.450
Upstairs Board Room
This is what you buy from the lot.

0:22:8.180 --> 0:22:9.270
Upstairs Board Room
That's how we get it.

0:22:9.770 --> 0:22:17.220
Upstairs Board Room
So once we do, once we get it that way, the next step is we install the metal reinforcement.

0:22:17.610 --> 0:22:19.540
Upstairs Board Room
This is so we can hang up.

0:22:19.690 --> 0:22:23.530
Upstairs Board Room
Hang up cabinets so we could install seatbelts.

0:22:24.910 --> 0:22:30.70
Upstairs Board Room
This, uh, some of this components require uh, sturdy.

0:22:30.570 --> 0:22:34.920
Upstairs Board Room
Uh reinforcement, because the seat belt holder, human being.

0:22:35.170 --> 0:22:48.280
Upstairs Board Room
So we want to make sure that if ever there's an impact that is structurally sound to hold the person sitting there and also the cabinets, the cabinets have low, they have things in them, right.

0:22:48.430 --> 0:22:49.660
Upstairs Board Room
And that makes it heavy.

0:22:49.790 --> 0:22:55.550
Upstairs Board Room
So if you go through an impact that heavy stuff, you don't want to fall on your head, you don't want to fall in the patient.

0:22:56.20 --> 0:23:0.240
Upstairs Board Room
So those things are installed onto those metal.

0:23:1.460 --> 0:23:15.910
Upstairs Board Room
So after the metal renforceront, we stole the cabinets, we install the electrical components, we install the insulation, so the the van is not too cold and not too hot depending on season.

0:23:17.230 --> 0:23:26.130
Upstairs Board Room
And once that is done, then there's Sembler is going and finished the the product by putting the wall liners to cover up the cabinets.

0:23:26.140 --> 0:23:28.570
Upstairs Board Room
Electrical so it looks all nice and clean.

0:23:34.350 --> 0:23:34.810
Upstairs Board Room
And.

0:23:37.280 --> 0:23:39.950
Upstairs Board Room
I have a video to show you.

0:23:41.270 --> 0:23:51.920
Upstairs Board Room
This video basically represents one of the biggest advantages we have as a as a company here in Maui.

0:23:52.610 --> 0:24:27.690
Upstairs Board Room
We we pride ourselves that what we build is innovative as one of a kind and it is safe for the users either and be professional users as in paramedics or it be personal use as an someone who is in the capable or who needs wheelchair accessible that our vehicle is pathogen free and using ABS interior allows for that and here's a video that demonstrates exactly why we do what we do.