

HMI | WELCOME TO THE COCKPIT OF THE FUTURE

VIDEO TRANSCRIPT

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[00:00:00 - 00:00:10]

Welcome to the connected car lab. In this car we have a lab where we can find new ways to innovate about the cockpit of the future.

[00:00:10 - 00:00:21]

This lab has been created by Accenture and Faurecia. Together we can quickly design, measure, test and improve onboard hardware and software.

[00:00:21 - 00:00:31]

This lab is a production car that is equipped with an IoT platform with an edge appliance in the back and connected to the cloud.

[00:00:31 - 00:00:56]

The car is equipped with many sensors to detect the behavior of the people in the car and we have a lot of actuators to give feedback to the people. So, this lab allows us to imagine new services, put it, develop it quickly, test it on the road and improve them in real time. This is a brand-new way of innovating in the automotive car industry.

[00:00:56- 00:01:14]

Today I am going to demonstrate a few cases with the driver safety. The reason we are doing this is because 10% of accidents are due to driver distractions and 30% of the mortal accidents on the road are due to drivers falling asleep.

[00:01:14- 00:01:45]

The first use-case I am going to demonstrate is about the driver distraction. I am driving on the road and then I have my kids in the back that are a bit noisy. So, I am going to say: "Hey kids please you should be quiet!"

And then I have the vibration in the seats to remind me that I should be looking on the road this is giving haptic vibration which is a much faster way of giving feedback to the driver than having some alarm or some noise.

[00:01:45- 00:02:10]

The second use-case is around the driver's sleepiness. Usually when people are starting to feel a bit tired they are going to yawn a few times. So, I am feeling here vibrations on the seats. We have developed a sequence of vibrations and we have tested it with people on the road to give a certain vibration in order to give feedback and explain to the driver that he



should probably be stopping and having a coffee for example.

[00:02:10- 00:02:45]

If he is not stopping, he might feel a bit sleepy and start to close his eye for about three seconds. Here again I am feeling this vibration on the back seat. We developed another set of vibrations to give a warning to the user: "Hey you should be really looking at the road".

These are examples of experiences that we can develop together with Faurecia and Accenture, and we can test it directly on the road. We can look at many different aspects of what is happening in the cockpit about the wellbeing of the driver and of the passenger. We can look at thermal posture or the lights. We have many tools and then this is an amazing tool to really innovate in the automotive industry.

[00:02:55- 00:03:01]

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