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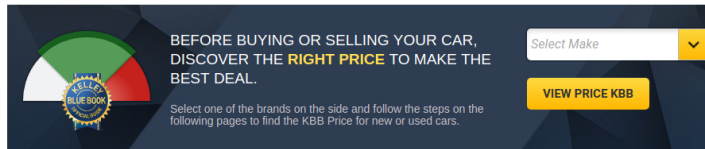
Lamborghini will present the EV concept Terzo Millennio in partnership with MIT

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New model will be presented in Boston this afternoon with the mission to showcase the path towards a "Lamborghini Elettrica". Or an electric Lamborghini



Lamborghini announced **last Friday (3)** that it would present on Monday (6) its vision of a supercar for the future. The presentation will take place at an event at MIT (Massachusetts Institute of Technology), one of the world's most famous technology universities. And it is a partner of Lamborghini in the development of the model. No one knew much about it, but KBB was able to get more information on the model. It will be an electric concept and will be called Terzo Millennio.



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The concept will be presented at EMTech by two brand executives, Maurizio Reggiani, CTO (Chief Technical Officer) of the company, and by Mitja Borkert, head of design at Lamborghini. According to the information of the event, Terzo Millennio will be a "summary of the challenges to be overcome to make a Lamborghini Elettrica". Perhaps we also have the name of the EV division of the Italian brand.

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Special Session

Lamborghini "Terzo Millennio," a concept for the "super sports car" of the future

Lamborghini has defined a vision for its future products and then set the path to realize this vision. The "Terzo Millennio" is a summary of the challenges to be overcome to make a Lamborghini Elettrica.

The first two steps, focused on the development of innovative energy storage systems and multifunctional materials for the vehicle's body, will be discussed here. Lamborghini has partnered with the MIT Dinec Research Lab in the chemistry department and the MIT Laboratory for Manufacturing and Productivity in the department of mechanical engineering.



Maurizio Reggiani

Chief Technical Officer, Automobili Lamborghini
Powered by Lamborghini

The first two steps in the process would be an efficient way of storing electric energy and the development of multifunctional



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materials for the vehicle body. In the development of Terzo Millennio batteries, Lamborghini was assisted by the MIT Dinca Research Lab, which is specialized in chemistry, while the multifunctional parts were developed in partnership with the MIT Laboratory for Manufacturing and Productivity.

In a few hours we should have more information about the model and update this report. For now, only KBB readers know what it will really be and what the event is all about.

UPDATE

As we have already informed you, the Terzo Millennio is indeed an EV and has multifunctional parts, but the real meaning of this expression goes far beyond what we had imagined. This is because MIT intends to develop body parts that work not only in a structural way, to shape the model, but also as "energy accumulators". In other words, like batteries. But not like the current batteries. They would be hybrids between nowadays batteries and supercapacitors. Capable of storing and releasing lots of electricity quickly (something that would help with vehicle performance and recharging), but also stable enough to retain energy for the same time current batteries do.



If you take a good look at the body of the concept, you will see that all body panels seem to have some aerodynamic function. And they actually have, according to Lamborghini executives. This is due to the principle of low weight and high efficiency that the concept proposes. The model has an electric motor in each wheel, something that increases the unsprung mass and may cause dynamics problems, but perhaps Lamborghini is also committed to making lighter electric motors and lighter wheels, which could minimize these issues.



Another innovative element of the Terzo Millennio is the use of carbon fiber. Even in parts that are highly susceptible to fatigue, such as the ones that compose the suspension. This will be possible by developing carbon fiber pieces that are able to regenerate. The idea is to fit them with nanotubes with chemical elements. When (and if) they crack, these chemicals could cure these damages as soon as a problem appears and prevent the parts from breaking.

Despite **Maurizio Reggiani's denials, given in an interview to Digital Trends** in September, Lamborghini flirts with autonomous technologies. In Terzo Millennio, the autonomous systems of the car, called Piloted Driving, could take its driver through known circuits, such as Imola. It would be like a "virtual instructor" controlling the vehicle. After learning the ins and outs of the track, the aspiring pilot could take full control of the car and try to repeat the performance of the "instructor" by chasing him around the circuit. Probably presented as a hologram projected at the windshield of the electric Lambo.

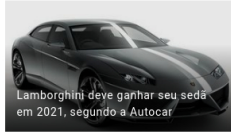




Started in November 2016, this partnership between MIT and Lamborghini is expected to last another two years. During this period, it is supposed that the suggested technologies will be developed to present at least one truly working concept. Probably around November 2019. The Terzo Millennio is just a mock-up, or else, a design concept. And the embryo of the future Lamborghini Elettrica.

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