



Challenge: Bringing new ideas and solutions for sustainable future



Introduction:

By 2030, Valeo's emissions will have decreased by 45% across its entire value chain – including emissions from its suppliers, its own operating activities and the end use of its products – compared with 2019. By 2050, Valeo will have achieved carbon neutrality for all of its own operating activities and across its entire supply chain worldwide and will be 100% carbon neutral (including the end use of its products) in Europe. Valeo is also a signatory of the “Business Ambition for 1.5°C” campaign that brings together companies committed to achieving carbon neutrality by 2050 using the strict framework of the Science Based Targets initiative.

Who is behind this initiative?

Valeo is an automotive supplier and partner for automakers worldwide. As a technology company, we design innovative solutions for smart mobility, with a particular focus on intuitive driving and reducing CO2 emissions. The Group also provides and distributes spare parts for automakers and independent aftermarket operators. Valeo has a research and development centre in Prague that boasts nine hundred engineers, leaders in technology and innovation. They are behind the latest active safety and autonomous driving systems. What does this mean? Software and hardware engineers, together with mechanical designers, test and system engineers, develop systems for crew protection and driving comfort. Parking systems, emergency braking, blind spot monitoring, and traffic sign reading are born and improved thanks to them in Prague. We are also now able to monitor, for example, the interior of the car by camera, how the driver feels while driving and help him if he is tired. Between 2013 and 2023, the team, currently numbering around 900 colleagues, grew so large that it had to move to a technologically advanced centre in Prague's Strasnice. Here, it boasts not only 14,000 m² of office space and 3,000 m² of laboratories and test halls, but also a test area for prototype cars.

The Collider Challenge 2024:

Make our VALEO building smarter and greener!

Bring new ideas and solutions for building a sustainable future, for example, window shading, air exchange, air in the building, optimum lighting, heating using residual heat from our server rooms, etc. with the aim of eliminating CO2 emissions. New technologies are one opportunity, however, a substantial part of emission reduction can be obtained by behavioral changes of employees. Ideas that can possibly make the Valeo building more pleasant to run, such as digitizing visits, their clear online overview, connection to Google calendar, automatic notifications to the reception are appreciated too.

Provide a clear and profound assessment of the technological and economic feasibility of the proposed solution design and concept. Challenge the status quo and be open minded for new solutions.

The expected outputs would be a solution proposals, feasibility studies or PoCs.

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