

Autoliv Unveils Revolutionary Passenger Airbag based on the Bernoulli principle

(Auburn Hills, Michigan, June 12) - Autoliv, Inc. (NYSE: ALV and SSE: ALIVsdb), the worldwide leader in automotive safety systems, today unveiled a patented revolutionary new passenger airbag module that is based on Bernoulli's Principle and can inflate larger airbags more efficiently as well as reduce development time and cost. The Bernoulli™ Airbag will be commercialized during the third quarter and on display at the Autoliv Investor Day today in Auburn Hills, Michigan, USA.

The new Autoliv airbag module is based on Swiss mathematician and physicist Daniel Bernoulli's fundamental principles of fluid dynamics that explain many phenomena such as how airplanes fly. Bernoulli's principle states that an increase in the speed of a fluid occurs simultaneously with a decrease in static pressure. Using this principle, Autoliv can leverage pressure differences to add a significant contribution of surrounding air to the inflation of an airbag.

"We have developed a way to inflate very large airbags, like the one's needed in newer electric vehicles with roomier cockpits and comfort seating, with a smaller single stage inflator. Additionally, the Bernoulli Airbag generates less heat, is lighter, and can reduce customer development testing in the United States by more than 30 percent. Low risk deployment requirements can be met with a single stage inflator," said Jordi Lombarte, Chief Technical Officer, Autoliv.

For the Bernoulli Airbag, the inflator will receive the signal that a crash has begun, and it will propel high pressure gases at supersonic speed through multiple inlet tubes. As the gases flow through the tubes, it will suck the surrounding ambient air into the chamber with the gases, creating aspiration, and will inflate a much larger airbag with an even smaller inflator than required today.

"It is undoubtedly an example of our commitment to saving lives and redefining the standards of safety so our customers can build the safest possible vehicles. By doing this, we can affect other aspects of the safety system and offer our customers options that do not exist today. The Bernoulli Airbag is a significant step forward in making vehicles safer in a more efficient and sustainable manner," concluded Jordi Lombarte.

Airbags are an important safety feature in cars and can reduce the risk of death and serious injury in a crash. They work by inflating very quickly to create a cushion between the occupant and the vehicle. Airbag systems help to reduce the severity of injuries caused by impact. Autoliv is the world's largest producer of airbag systems, modules, and components.

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About Autoliv

Autoliv, Inc. (NYSE: ALV; Nasdaq Stockholm: ALIV.sdb) is the worldwide leader in automotive safety systems. Through our group companies, we develop, manufacture and market protective systems, such as airbags, seatbelts, and steering wheels for all major automotive manufacturers in the world as well as mobility safety solutions, such as pedestrian protection, connected safety services and safety solutions for riders of powered two wheelers. At Autoliv, we challenge and re-define the standards of mobility safety to sustainably deliver leading solutions. In 2022, our products saved close to 35,000 lives and reduced more than 450,000 injuries.

Our close to 70,000 associates in 27 countries are passionate about our vision of Saving More Lives and quality is at the heart of everything we do. We drive innovation, research, and development at our 14 technical centers, with their 20 test tracks. Sales in 2022 amounted to US \$ 8.8 billion. For more information go to www.autoliv.com.

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This report contains statements that are not historical facts but rather forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements include those that address activities, events or developments that Autoliv, Inc. or its management believes or anticipates may occur in the future. All forward-looking statements are based upon our current expectations, various assumptions and data available from third parties. Our expectations and assumptions are expressed in good faith and we believe there is a reasonable basis for them. However, there can be no assurance that such forward-looking statements will materialize or prove to be correct as forward-looking statements are inherently subject to known and unknown risks, uncertainties and other factors which may cause actual future results, performance or achievements to differ materially from the future results, performance or achievements expressed in or implied by such forward-looking statements. Numerous risks, uncertainties and other factors may cause actual results to differ materially from those set out in the forward-looking statements, including general economic conditions and fluctuations in the global automotive market. For any forward-looking statements contained in this or any other document, we claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995, and we assume no obligation to update publicly or revise any such statements in light of new information or future events, except as required by law.

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