

# Press Release



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Covestro AG  
Communications  
51365 Leverkusen  
Germany

Contact  
Dr. Frank Rothbarth  
Telephone  
+49 214 6009-2536  
Email  
frank.rothbarth  
@covestro.com

The future of mobility: seamless and fully networked

## The reinvention of the display

The car of the future will be a mobile multifunctional living and working space. Displays and indicator instruments will take on a whole new meaning. They will become infotainment systems that will connect passengers with the outside world and provide them with information or entertainment, depending on their use. The interaction between people, cars and the environment will drive innovation in this field. More than ever, the main component of this interaction will still be the display, even as the demands on functionality and design continue to grow.

Seeing this challenge as an opportunity will require new concepts in display design and optimal integration in the car cockpit. Together with an industry partner, [Covestro](#) has developed a [display concept](#) that should meet the increased requirements in terms of optical quality, durability and design standards. The result of this cooperation is the largest three dimensional OLED display to date, which will serve as a seamless interface between humans and cars. It was presented for the first time at the plastics trade show K 2019.

### Curved surface, clear image

Two Covestro materials were used in the display concept: the polycarbonate Makrolon® Ai and the polycarbonate film Makrofol®. Both thermoplastic products make it possible to fabricate geometrically challenging components that are of good quality and very durable. The high optical purity of the polymers ensures that the OLED display (organic light emitting diodes) provides vibrant colors without distorting the image due to its curved surface.

For the production of such highly complex components, Covestro was able to draw on its many years of experience in process development. An ingenious combination of manufacturing technologies ensures the surface design and



durability. The surface, shape, haptics and appearance of the component can be individually adapted to the customer's wishes.

**About Covestro:**

With 2019 sales of EUR 12.4 billion, Covestro is among the world's largest polymer companies. Business activities are focused on the manufacture of high-tech polymer materials and the development of innovative solutions for products used in many areas of daily life. The main segments served are the automotive, construction, wood processing and furniture, and electrical and electronics industries. Other sectors include sports and leisure, cosmetics, health and the chemical industry itself. Covestro has 30 production sites worldwide and employs approximately 17,200 people (calculated as full-time equivalents) at the end of 2019.

*This press release is available for download from the Covestro press server at [www.covestro.com](http://www.covestro.com). Photos are available there for download as well. Please acknowledge the source of any pictures used.*

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