Yanfeng Automotive Interiors unveils XiM20 autonomous rideshare vehicle interior

Concept showcases future interior experiences for autonomous rideshare

SUNNYVALE, CALIFORNIA January 23, 2019 – Yanfeng Automotive Interiors, the world’s largest automotive interior supplier, today unveiled the Experience in Motion demonstrator 2020 (XiM20), in Sunnyvale, California. This is a fully autonomous rideshare concept, offering new consumer experiences that are customizable to passenger’s preferences to better suit their journeys. XiM20 is a reflection of the most in-depth primary research the company has done to date.

“Approaching this next iteration of the XiM demonstrator, we knew it was critical to evaluate users’ wants and needs within the vehicle and outside of the mobility context,” said Han Hendriks, Chief Technology Officer, Yanfeng Automotive Interiors. “The insights gleaned from our research defined what impacts consumers’ quality of life and what creates memorable, engaging experiences. With the XiM20, advanced technologies and product innovations complement intuitive design, providing flexibility and comfort for the autonomous rideshare passengers of tomorrow.”

The XiM20 showcases technology integrations that stimulate the senses without overwhelming passengers with an array of options and features. By camouflaging the demonstrator’s screens and navigation systems within the surfaces of the vehicle using Smart Surface Technologies, passengers can choose whether or not to engage with the innovations around them.

“As an industry leader, we have the capabilities to provide holistic total interior solutions. As we approached this iteration of the XiM, we had to ask ourselves: If
we choose to feature every product and technology available within this space, are we offering value? Our research said “no.” Instead, to design and develop interiors in this context, we needed to understand and craft experiences that are engaging and surprising, without being overly complex. For future mobility, this is where the opportunity lies.” added Hendriks.

The XiM20 interior is designed to enable the use of two distinct zones: the bright, airy front of the demonstrator and the more cocoon-like rear, offering lounge seating and privacy. Controls for the interior environment are accessible on the Smart Interior Surfaces (SIS) table located at the front of the demonstrator or can be accessed via a smartphone application.

The front area is an observation space, offering comfortable, functional seating with an uninterrupted 180 degree view through the curved windshield. This zone is reminiscent of a cafe or coffee house bar, pressed up against a glass window to allow passengers to feel connected to the world around them while enjoying their journey. Features of this zone include:

- **Smart Interior Surface (SIS) Table**—easily accessible on the natural wood table surface where the trip’s sequence is initiated and passengers can control the temperature, sound, UV cleaning, and navigation systems. When not in use, the table remains a beautiful, natural wood surface;
- **UV Surface Sanitizer**—UV frequency light sweeps over the interior to disinfect frequently contacted surfaces between trips;
- **Never-Forget Storage**—storage spaces and bins recognize forgotten belongings, alerting passengers with a series of notifications directing them to the stored item;
- **Noveto Smart Audio**—an innovation resulting from the alliance of YFAI and Noveto Systems Ltd., this technology is designed to send sound sensors, transducers and software that can locate and track the passenger’s position and deliver high-quality sound without disturbing others. Also unlike traditional directional sound technology, Noveto’s Smart Audio technology works seamlessly within confined spaces which makes it an ideal solution for use within automobiles.
Visible Natural Fiber—enhancing the interior experience with environmentally-friendly, lightweight construction to create an attractive finish made from sustainable materials.

In comparison, the rear zone offers secluded comfort where passengers can retreat from the hustle and bustle of their everyday lives. The space mimics the cozy atmosphere of a booth, with a soft fabric surrounding and technology integrations designed to complement passengers’ moods and preferences. Features of this zone include:

**Active Space**—a unique combination of in-cabin sensing developed with our partner IEE, and surface display technology to enable immersive interaction between passengers and their surrounding interior environment for entertainment, communication, and ambience;

**Bulletin Board**—seamlessly integrated display featuring ride information and notifications, providing navigation updates and alerting passengers when they are approaching their destination to prepare for arrival and gather their belongings;

**Slim Airvent**—innovative vanes and air flow control allow vents to be a fraction of their conventional surface area while still providing sufficient air flow and heating/cooling effects;

**Active Cast Lighting**—dynamic ambient lighting which mimics the play of light as it reflects and refracts in natural environments;

**Touch-Free Access**—located on the exterior of the vehicle, this touchless palm scanner confirms a passenger is correct for the ordered trip by simply requiring guests to hover their hand over the unit to be identified and to gain entry.

The mobile exhibit will tour North America throughout 2019, stopping at customer facilities, YFAI plants, and campuses across the country.

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About Yanfeng Automotive Interiors

Yanfeng Automotive Interiors (YFAI) is the global leader in automotive interiors. Yanfeng Automotive Interiors is redefining how people relax, work and play inside their vehicle interiors – today and decades from now. Headquartered in Shanghai, the company has approximately 110 manufacturing plants and technical centers in 20 countries and more than 33,000 employees globally. They design, develop and manufacture automotive interior components for all automakers. Established in 2015, Yanfeng Automotive Interiors is a joint venture between Yanfeng, one of the largest automotive suppliers in China and Adient, the global leader in automotive seating. For additional information, please visit http://www.yfai.com.

Editor’s Note: Images are available at the media center on www.yfai.com/en/media-center