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TCI and SIMONA Boltaron® Partnership Elevates Business Class Seating for Wide-Body Aircraft

Newcomerstown, OH — April 14, 2026 — TCI Aircraft Interiors and SIMONA Boltaron today announced a strategic collaboration to customize TCI's Crystal Business Class offering combining advanced engineering with high-performance thermoplastics to deliver a refined and certifiable premium cabin experience.

The Crystal Business Class seat, engineered for Airbus A350, Boeing 777, and B787 platforms, will be on display at Aircraft Interiors Expo 2026 (AIX) in Hamburg, Germany. The program is scheduled for its first linefit deliveries on A350 aircraft in the second half of 2026, with retrofit programs for B777 fleets planned for early 2027.

A partnership rooted in engineering excellence and CMF collaboration

Through a close collaboration with TCI's engineering and design teams, SIMONA Boltaron provided exclusive materials for all thermoplastic components on the Crystal seat, ensuring compliance with stringent aviation flammability requirements while enabling elevated aesthetics and durability.

The materials palette includes:

- Boltaron® 9815N Pearlescent in three custom colorways developed specifically for the program
- Boltaron® 9850N, utilized as a substrate within laminated assemblies to achieve critical flammability performance

TCI's engineering team directed the trim and finish specification to Boltaron materials early in development, citing the company's reputation for quality, technical expertise, and responsive customer support. In particular, Boltaron® 9850N played a pivotal role in enabling certification by strengthening bonded layers beneath decorative coverings and supporting successful flammability test results where earlier constructions had fallen short.

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Supporting certification across the entire supply chain

SIMONA Boltaron's involvement extended well beyond material supply. Led by Technical Director Sam Stacy, the Boltaron technical team provided hands-on guidance throughout development and certification, including on-site support at the thermoforming partner in Turkey to help ensure material performance translated seamlessly into finished components.

The program highlights SIMONA Boltaron's 360-degree service approach, encompassing:

- Responsive sales and engineering collaboration
- Rapid custom color matching from the Newcomerstown, Ohio color laboratory
- Hands-on technical support for thermoformers and suppliers
- Ongoing availability throughout certification and validation phases

Elevated aesthetics through custom pearlescent finishes

The CMF development process began with five candidate colors before converging on three custom pearlescent finishes in Boltaron® 9815N. Selected by TCI's industrial design team for their visual depth, durability, and aviation-grade performance, these materials contribute to the Crystal seat's refined cabin environment while meeting rigorous regulatory requirements.

The same pearlescent custom colors have also been specified for TCI's Royalux Business Class seat, further reinforcing the success and scalability of the partnership and creating a consistent customer experience across their business class seat configurations.

"This program reflects the power of collaboration during the design stage," said Chris Corona, Vice President of Aerospace Strategy at SIMONA Boltaron. "From sales engagement through technical execution, our team supported TCI with high-performance aviation materials and hands-on expertise across the supply chain. That collective effort enabled the successful design of a certified, visually striking seat that will deliver a beautiful passenger experience and it's truly something to look forward to."

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Visitors to AIX 2026 will have the opportunity to experience the Crystal Business Class seat firsthand at the TCI stand, where the partnership's emphasis on innovation, certification readiness, and premium design will be on full display.

With linefit deliveries scheduled to begin in July 2026 and fleet-wide integrations continuing through 2027, the Crystal seat represents a shared commitment by TCI and SIMONA Boltaron to advance the next generation of business class seating through material innovation, engineering collaboration, and design excellence.

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About SIMONA Boltaron

SIMONA Boltaron manufactures advanced thermoplastic sheet engineered to meet the rigorous performance and regulatory requirements of aircraft interiors. The company's materials support seat manufacturers, airlines, and designers with solutions that combine durability, aesthetic flexibility, and compliance with stringent aviation safety standards.

About TCI Aircraft Interiors

TCI Aircraft Interiors is a global center of excellence specializing in the design, engineering, and manufacturing of high-performance cabin interiors. With a focus on lightweight engineering and passenger-centric design, TCI delivers innovative seating and galley solutions for the world's leading narrow and wide-body aircraft platforms. Headquartered in Istanbul, TCI combines advanced manufacturing capabilities with deep technical expertise to help global airlines enhance their brand identity and cabin efficiency.