Composite materials will be at the heart of Urban Air Mobility (UAM) to provide energy efficient, reliable, and cost-competitive transportation vehicles.

**Make it Green**
- Reduced structure weight reduces energy consumption
- Additive manufacturing reduces material waste
- Materials can be repaired, repurposed and recycled

**Make it Safe and Comfortable**
- Proven safe and reliable through years in the aerospace industry
- Non-corrosive and fatigue resistant
- Honeycomb core materials can dampen noise to provide a quieter ride
- Tunable for electromagnetic frequency leading to reliable and safe communications between sensors and air traffic

**Make it Affordable**
- Requires minimal capital equipment and tooling allowing you to scale economically
- Manufacturing automation through robotic lay-up and assembly, infusion, compression molding and additive manufacturing
- Faster cure and processing times leading to higher production rates

Scan the QR code to access a full report on Material Challenges and Opportunities for Urban Air Mobility.
What makes Hexcel composites your ideal materials solution?

**Benefits of Hexcel Advanced Composites:**
- Lightweight
- Non-corrosive
- Available in quick-cure & out-of-autoclave solutions
- Advanced manufacturing methods
- Noise-reducing solutions

**Broad Legacy of Experience**

- AEROSPACE
  - Qualification
  - Performance
- AUTOMOTIVE
  - Automation
  - Volume
- TECHNOLOGY
  - Materials
  - Processing

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