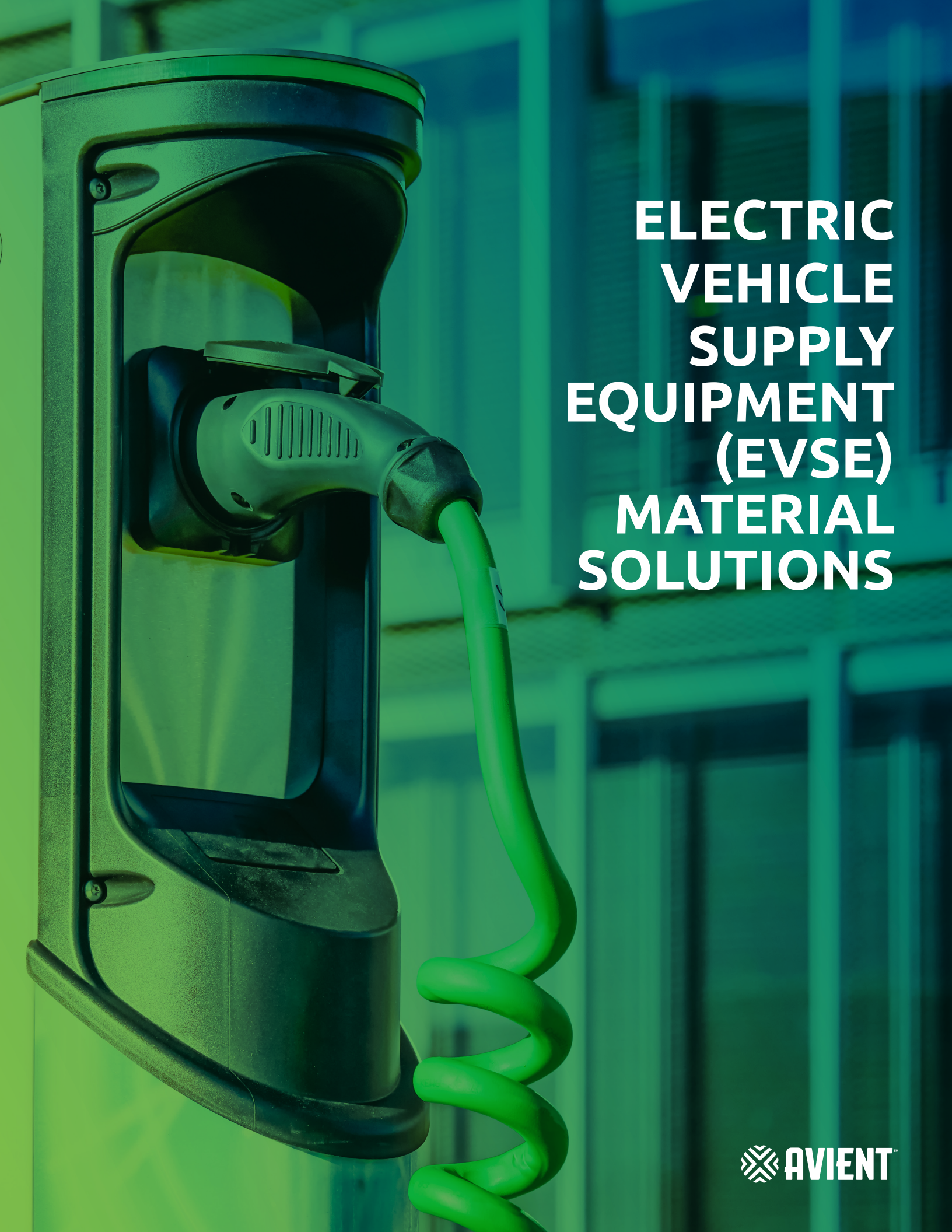


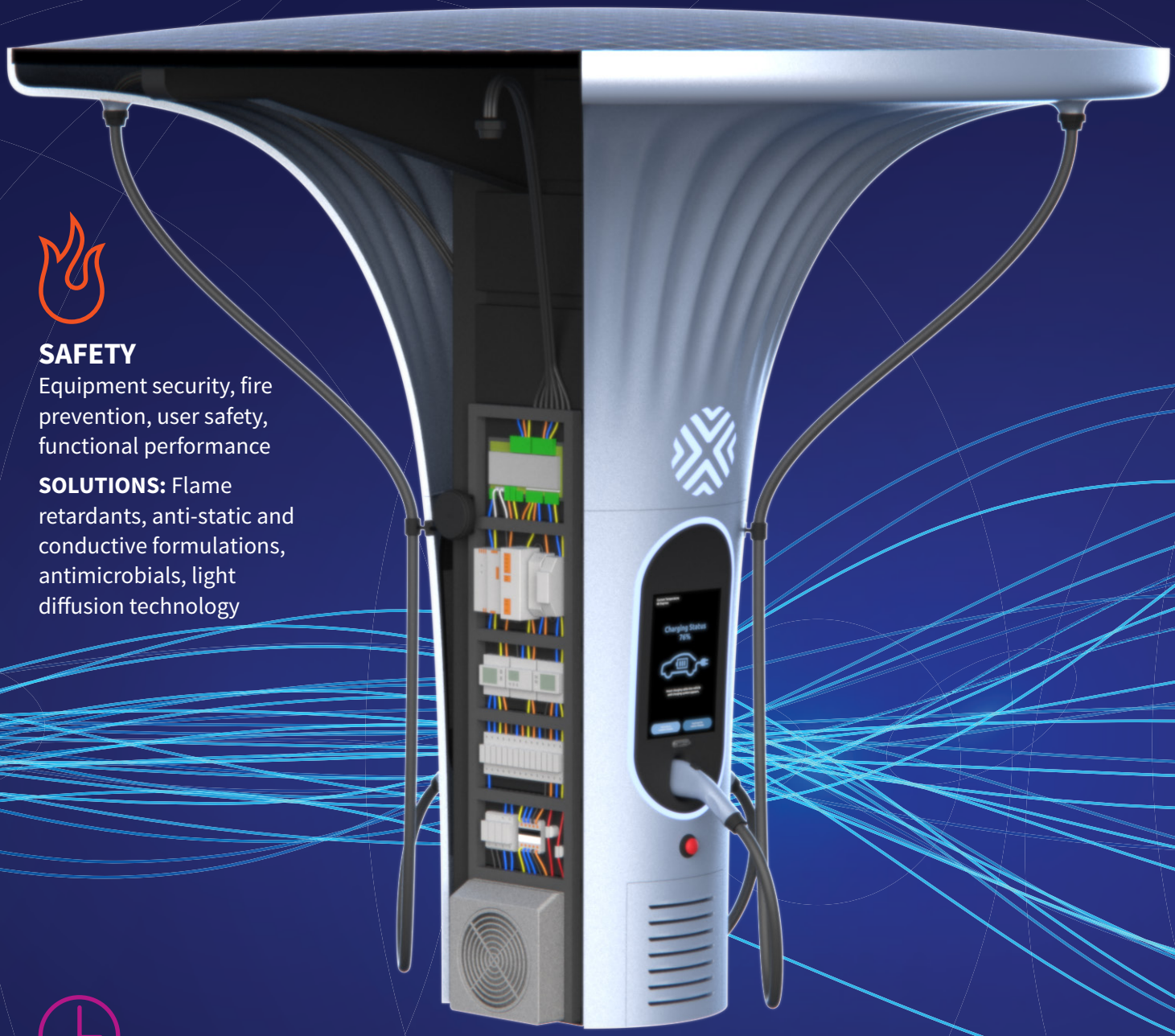
ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) MATERIAL SOLUTIONS

AVIENT™

The demand for public electric vehicle (EV) charging equipment is on a high growth trajectory, with new options and models in continual development. While these level 1, 2, and DC charging stations must meet critical standards and performance specifications, they also need to be safe, aesthetically pleasing, easy to use, and able to withstand harsh outdoor environments and the rigors of everyday use. This means new challenges in finding durable materials that can meet all of these needs.

At Avient, we have solutions that can help address these challenges. From Cesa™ additives that extend equipment life, to OnColor™ colorants that provide creative special effects, to specialty engineered polymers, our technologies improve the performance and aesthetics of EV charging stations. Or, choose our Smartbatch™ Combination Colorants & Additives that incorporate custom colors with functional additives in a single, optimized formulation.

Add robust technical support, from product design through production, to achieve even greater benefits throughout the development process.



SAFETY

Equipment security, fire prevention, user safety, functional performance

SOLUTIONS: Flame retardants, anti-static and conductive formulations, antimicrobials, light diffusion technology

LONGEVITY

Long service life, chemical resistance

SOLUTIONS: Scratch and mar resistant additives, impact modifiers, reinforced materials, rheology modifiers, compatibilizers

OUTDOOR DURABILITY & WEATHERABILITY

UV protection, chemical resistance, wind and impact resistance, color stability, light spectrum management, polymer integrity

SOLUTIONS: UV resistant formulations, dimensional stabilizers, antioxidants, IR reflective, scratch and mar resistant solutions, modifiers and compatibilizers

VISUAL AESTHETICS

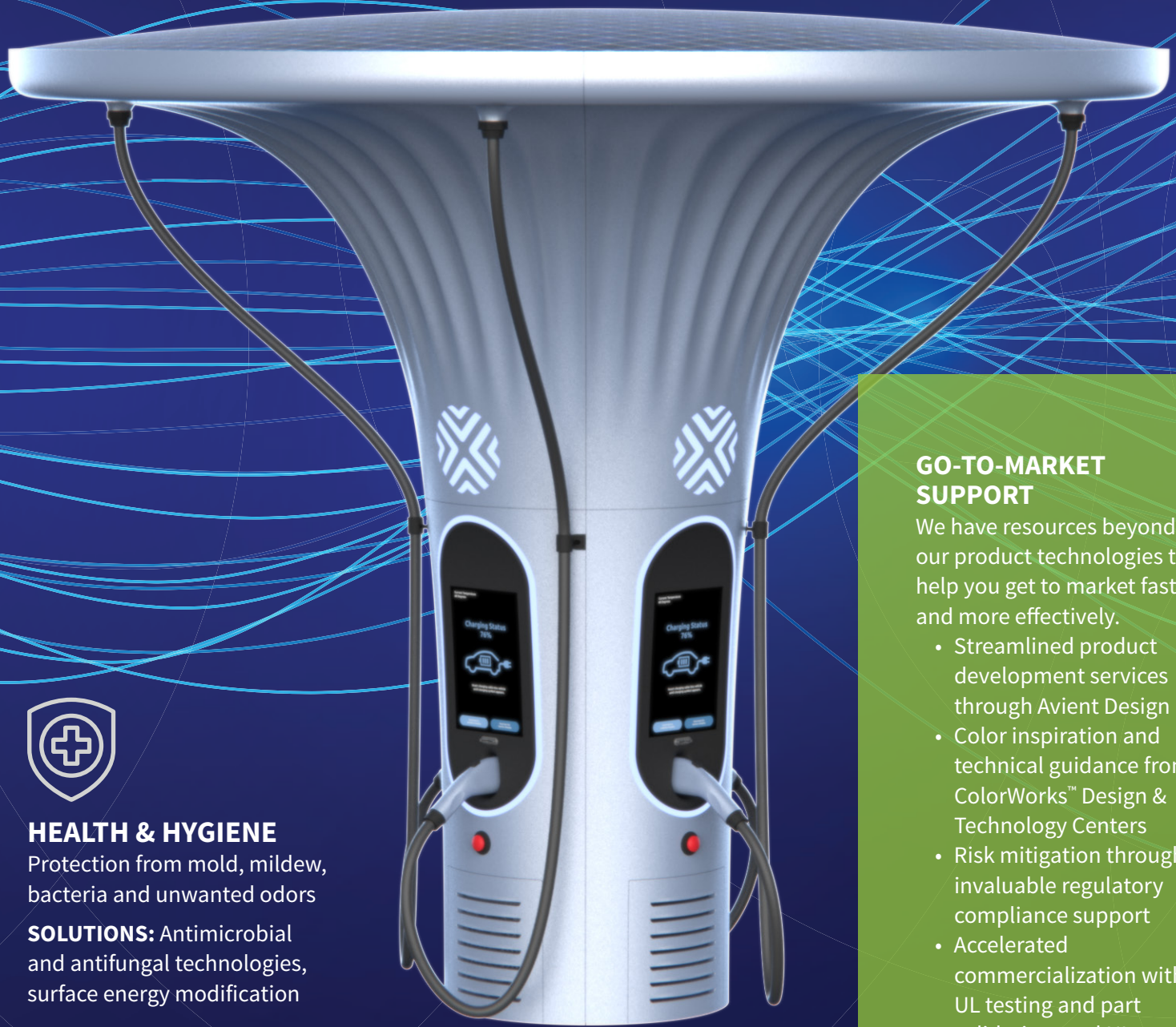
Custom colors, special effects and enhancements

SOLUTIONS: Metallic or chrome-look colorants, pearlescents, granite or marble effects, wood grains, glow-in-the-dark technology

SUSTAINABILITY

Eco-conscious options, lightweighting, VOC or carbon emissions reduction, reduced energy use

SOLUTIONS: Bio-derived colorants and additives, chemical foaming agents, molded-in metallics, post-consumer recycled (PCR) formulations



HEALTH & HYGIENE

Protection from mold, mildew, bacteria and unwanted odors

SOLUTIONS: Antimicrobial and antifungal technologies, surface energy modification

GO-TO-MARKET SUPPORT

We have resources beyond our product technologies to help you get to market faster and more effectively.

- Streamlined product development services through Avient Design
- Color inspiration and technical guidance from ColorWorks™ Design & Technology Centers
- Risk mitigation through invaluable regulatory compliance support
- Accelerated commercialization with UL testing and part validation, and UL-recognized colorants

FOCUS AREA	APPLICATIONS	KEY REQUIREMENTS	TECHNOLOGIES
Visual Aesthetics	• Cabinets and enclosures • User interfaces and touchpoints • Interactive touch screens • Lighting • Canopies • Side panels and base plates • Cables • Handles and grips • Closeouts	• Informed color choices and customization options • Visual appeal for brand integrity • High- and low- gloss finishes • Consistent physical performance and dimensional stability	• Special effect colorants • Smartbatch Combination Colorants & Additives • Custom and pre-colored formulations • ColorWorks Design & Technology Centers
Outdoor Durability & Longevity	• Cabinets and enclosures • Canopies • Side panels and base plates • Ventilation panels • Closeouts • Cable retractors • Interactive touch screens	• Outdoor weathering • Extreme (hot/cold) temperature resistance • Flexibility and ductility • Impact resistance • Chemical resistance	• UL-recognized materials • Flame retardant formulations • Impact modifiers • Surface energy modifiers • EMI/RFI shielding solutions • Thermal and electrical management technology
Health & Hygiene	• Cabinets and enclosures • User interfaces and touchpoints • Cables • Sockets • Handles and grips • Plugs and adaptors • Filters • Kiosks	• Microbial and fungal efficacy • Safe to touch • Visual clarity	• Surface energy modifiers • Antimicrobial and anti-fungal solutions
Sustainability	• Structural panels • Connectors and electrical components • Thermal modules • Cabinets and enclosures • Handles and grips • Lighting • Canopies • Side panels and base plates • Receptacles	• Reduced part weight or materials consumed • Recyclability • VOC reduction • PCR incorporation • Lower carbon footprint	• Chemical foaming agents • Molded-in color (MIC) metallics • Laser marking technologies • Eco-conscious raw materials • Bio-derived technologies • Post-consumer recycled (PCR) content • Lower carbon footprint solutions

Avient is a premier provider of specialized and sustainable material solutions and services that transform customer challenges into opportunities. Our broad portfolio of product technologies and services sets us apart in the EVSE market, and our range of world-class services includes:

Color Technology
Custom color design and special effects to meet performance and aesthetic requirements

Color & Design Services
Trend & color insights, and product development assistance to optimize design

Regulatory Coordination
Assistance with new product approvals to reduce regulatory overhead and minimize risk

Field Technical Service
Support for tool design, startup, and production optimization to gain manufacturing efficiencies

Sustainability Focus
Innovative materials and solutions to help meet sustainability goals

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