Technology for the challenges facing the textiles, apparel, and luxury goods industries:

CEA Tech can help the following businesses:

- Businesses in the apparel industry
- Designers and other creative professionals
- Luxury goods companies: wine and spirits; hospitality; automotive; yachting
- Textile manufacturers
Here are some of the ways CEA Tech can support your development:

**Sensor systems and integration**  
Traceability; measurement of structural constraints and deformation (such as for yacht sails); instrumented textiles to monitor parameters like temperature and moisture; monitoring of parameters for wines and spirits.

**Energy solutions**  
Custom-conformable batteries (for timepieces, leather goods, etc.); power supplies for integrated electronics; heated seats and garments.

**Materials and processes**  
Performance enhancing surface treatments; materials grinding and recycling; integration of anti-counterfeit systems.

**Characterization**  
Characterization of new textiles; physical and chemical characterization of surface properties; materials composition.

**Non-destructive testing**  
Quality control of textiles; seam controls for engineered textiles; control of parts for fine timepieces.

**ICTs and ambient intelligence**  
Connected and communicating surfaces; geolocation; digital services (e.g. “quantified self”); interactive environments.

**Lighting**  
Furniture and interior decorating; illuminated textiles for security and signage; integrated illuminated microsystems for visual effects.

**Data analysis and expert systems**  
Social networks for continuous design and quality control; quality feedback for procurement (inventory optimization).

**HMI**  
Interactive furnishings and fixtures; handwritten sketch, note, and drawing digitization capabilities for designers.