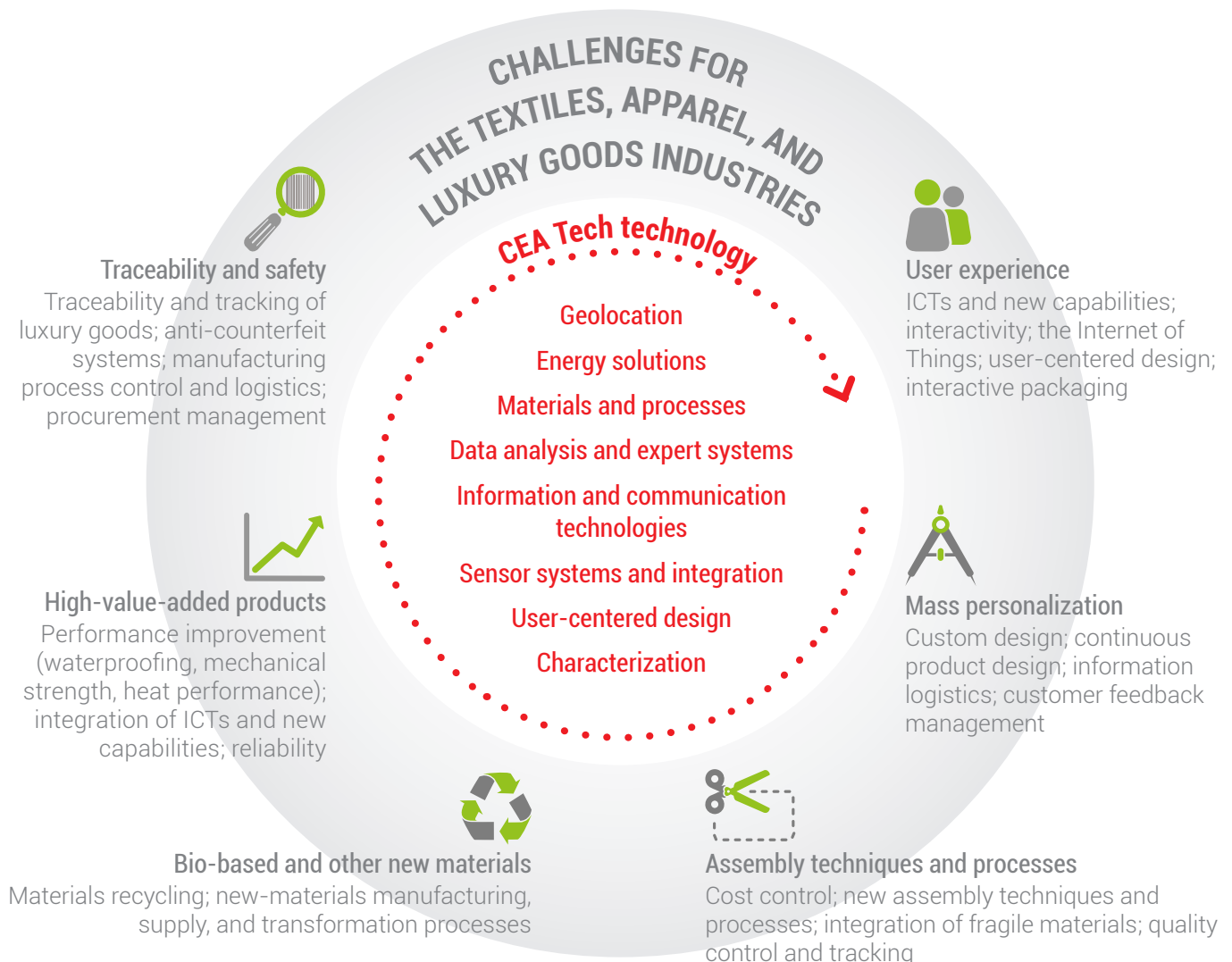


FROM RESEARCH TO INDUSTRY

cea tech

## CEA TECH SERVICES FOR THE TEXTILES, APPAREL, AND LUXURY GOODS INDUSTRIES

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

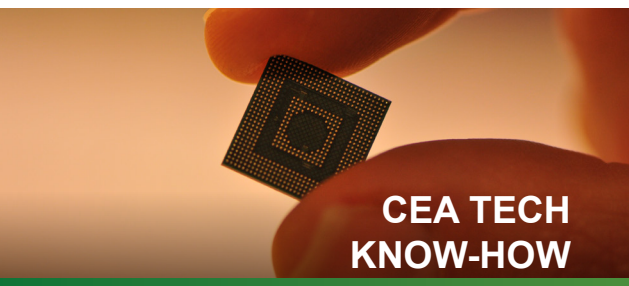


### CEA Tech can help the following businesses:

- 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

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