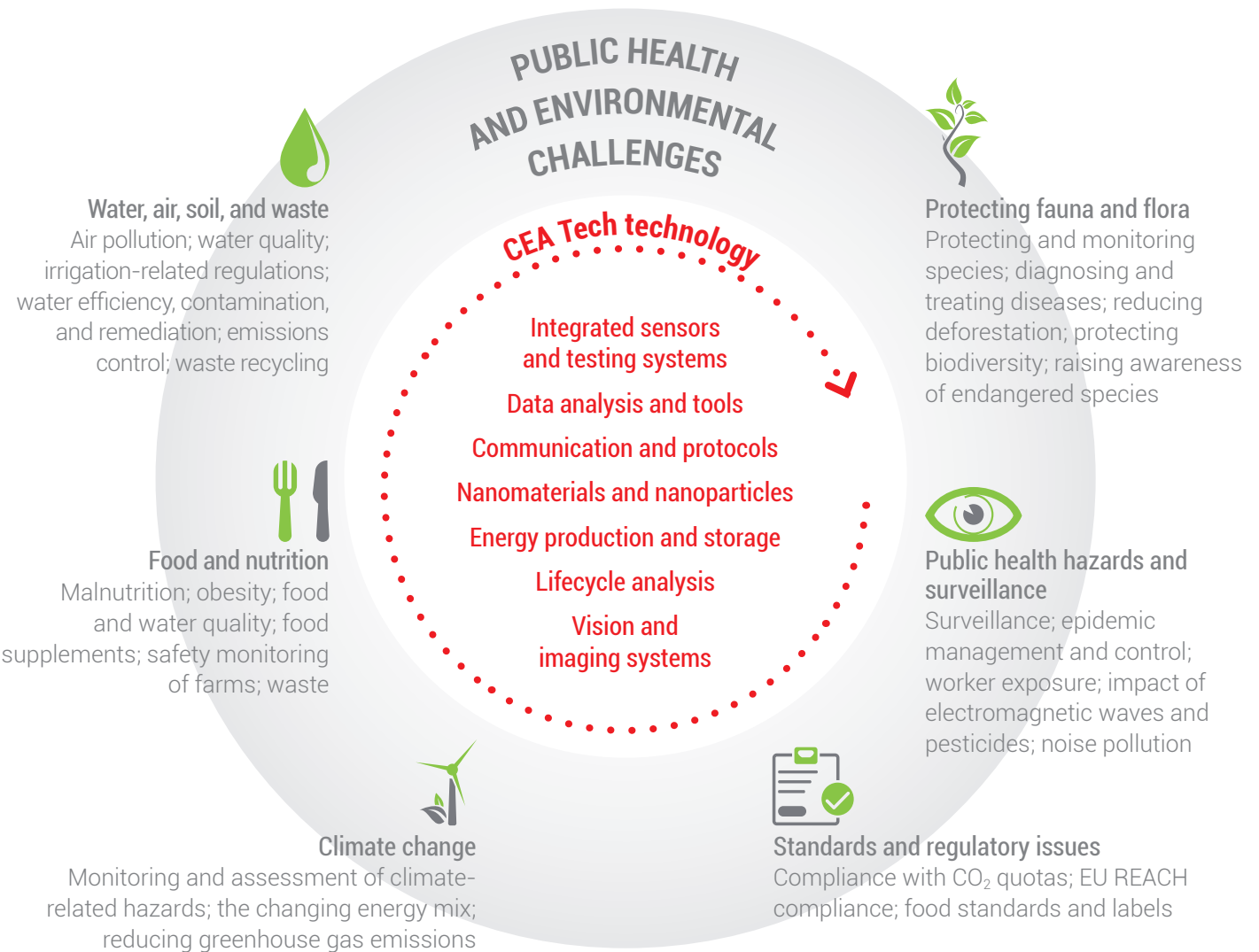




CEA TECH SERVICES FOR PUBLIC HEALTH AND THE ENVIRONMENT

Technology for public health and environmental challenges:



CEA Tech can help the following businesses:

- The manufacturing and food industries
- Testing and control system manufacturers
- Testing and control organizations
- Water management, remediation, water treatment, and waste treatment operators
- Farming sector stakeholders

Here are some of the ways CEA Tech can support your development:



Biological and chemical sensors for water and soil testing

Testing for pesticides and drug residues in water; detecting toxins and pathogens; public health risk surveillance of facilities (Legionnaire's disease, etc.)

Gas sensors for air and emissions testing

Urban air quality; indoor air quality; virus and bacteria detection; industrial emissions control

Physical sensors

Monitoring patients with a particular illness; controlling vaccination status

Imaging (IR, THz, RX, lensless optics)

Counting contaminant particles (micron and submicron); airport epidemic control; waste sorting

Workstation measurement instruments

Worker protection; toxicological studies; surveillance; evaluation and optimization of confinement

Nanomaterials and Safer by Design processes

Safer by Design nanomaterials; selection of packaging in powder or solution form; surface engineering; synthesis and supply of calibrated reference nanoparticles for environmental dispersion testing

Energy production and storage

Reducing CO₂ emissions by replacing fossil fuels with energy from renewable sources

Lifecycle analysis, conversion, and recycling

Release testing in actual use; waste-to-biomass conversion; traceability and dissemination in the environment; end-of-lifecycle product recycling

Digital data mining, fusion, and analysis

Epidemic and pandemic detection; forest monitoring leveraging the analysis of private individuals' photographs; integration of heterogeneous measurement systems

Data processing and analysis

Real-time process control; regulation and reduction of irrigation, pesticides, fertilizers, and other additives to meet crop needs

... ..