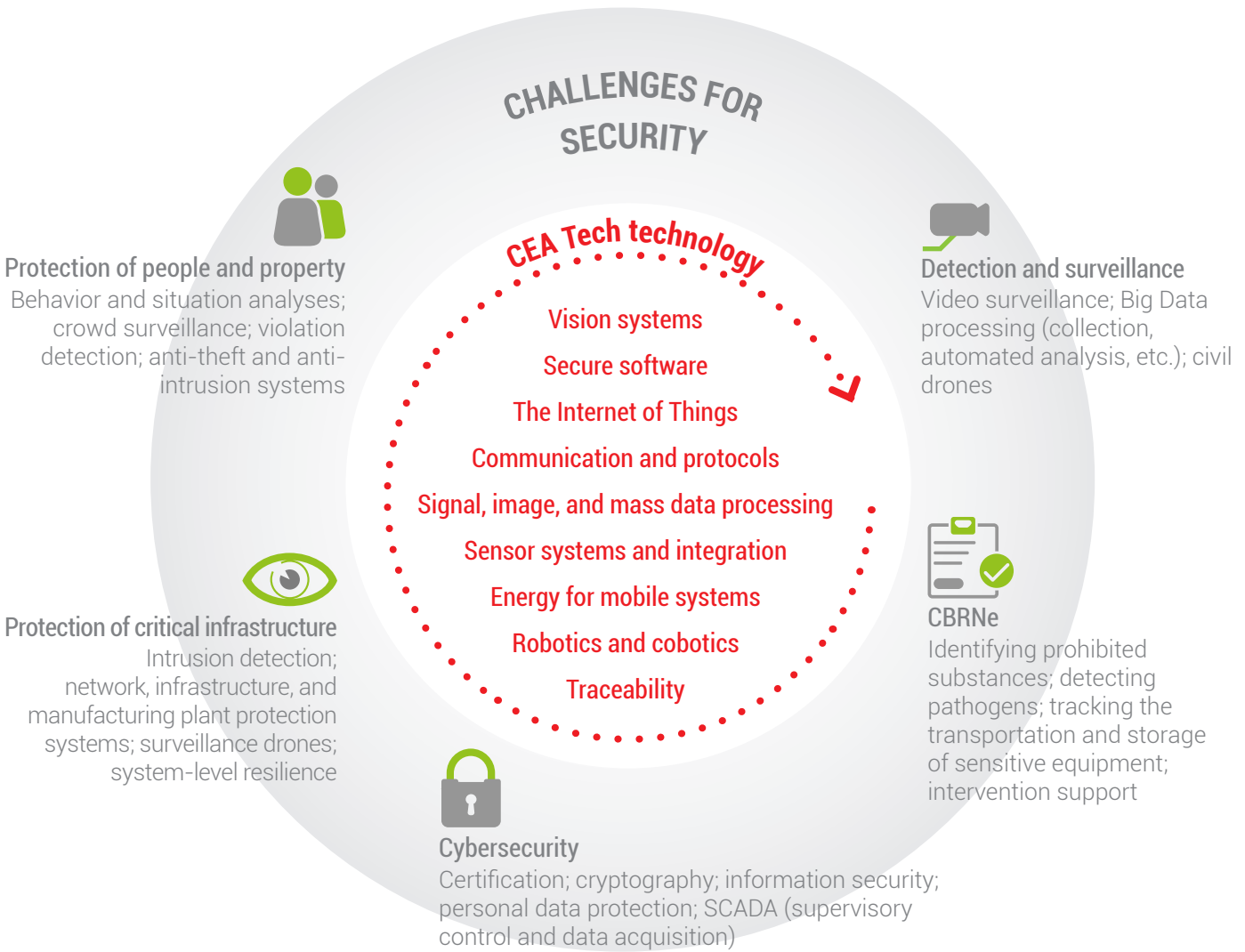




CEA TECH SERVICES FOR SECURITY

Technology for security challenges:



CEA Tech can help the following businesses:

- Surveillance system manufacturers
- Software developers and security service providers
- Critical infrastructure manufacturers and operators
- Manufacturers in the transportation and aerospace industries
- Government agencies

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



Sensors for imaging (IR, THz, X-ray) and the associated electronics

High-resolution, low-cost imaging for consumer applications; new capabilities (identification, decision-making protocols, etc.); low-energy-consumption; small form factor

Imaging systems

Baggage scanning; detection of prohibited substances and radioactive materials; leak detection; pathogen detection and identification systems (portable, fast, etc.)

Image processing and analysis

Crowd surveillance; video protection; behavior analysis; personal search, identification, and detection technologies; perimeter protection; event detection

Robotics and cobotics

Civil drones; handling of hazardous material; cobots for intervention support

Antennas, communication, and protocols

Reliability of communication in constrained environments (for firefighters, law enforcement, and critical infrastructures); secure protocols for sensor networks; traceability

Energy solutions (fuel cells, batteries)

Energy supply for off-grid sites; onboard energy systems for drones; energy harvesting for isolated sensors; wearable personal power sources

Sensor systems and integration

Monitoring for security interventions; geolocation; security gates; environmental monitoring of infrastructure (e.g. leak detection); labs-on-chip

Data mining and analysis

Epidemic and pandemic detection using semantic analysis; content search; decision-support software

Virtual and augmented reality

Driver assistance; read systems for customs checks; pilot assistance systems for drones

Hardened electronics

Reliability of infrastructure (oil & gas, nuclear, etc.) surveillance systems in hostile environments

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