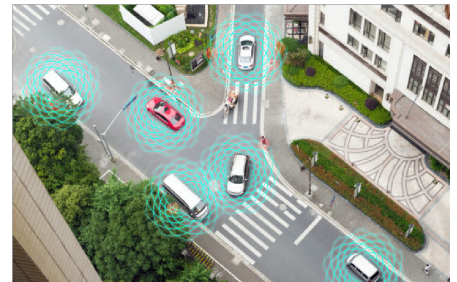


ABTICS | R&D AND CUSTOM DEVELOPMENTS IN COMPUTER VISION, AI & COMMUNICATION

ABTICS is a french based company offering **customized building blocks (hardware and software)** and advanced acceleration algorithms to serve the quick evolving Industry 4.0 market, especially around **computer vision** and **sensor fusion**, **Artificial Intelligence** and **deep learning**, as well as around **4G/5G communications**.

Thanks to its expertise on various technologies (**CPU, GPU, FPGAs**) as well as on **sensors** and **electronics** in general, ABTICS aims to propose **the most optimized solutions** and to accompany customers in their projects with valuable building blocks proposals and specific developments to suit end customers specifications.

ABTICS can help you in the various steps of your project, from **R&D studies on specifications**, **Proof of Concept (PoC) implementation**, until the **development of complete hardware or software building blocks** to help you accelerate your Time to Market and competitiveness with dedicated and innovative solutions.



 Electronics & software building blocks built on :



APPLICATIONS ///



Automotive & Transportation



Health & Medicine



Security & Surveillance



Retail



Entertainment & Media



Manufacturing Industry



Architecture & Construction

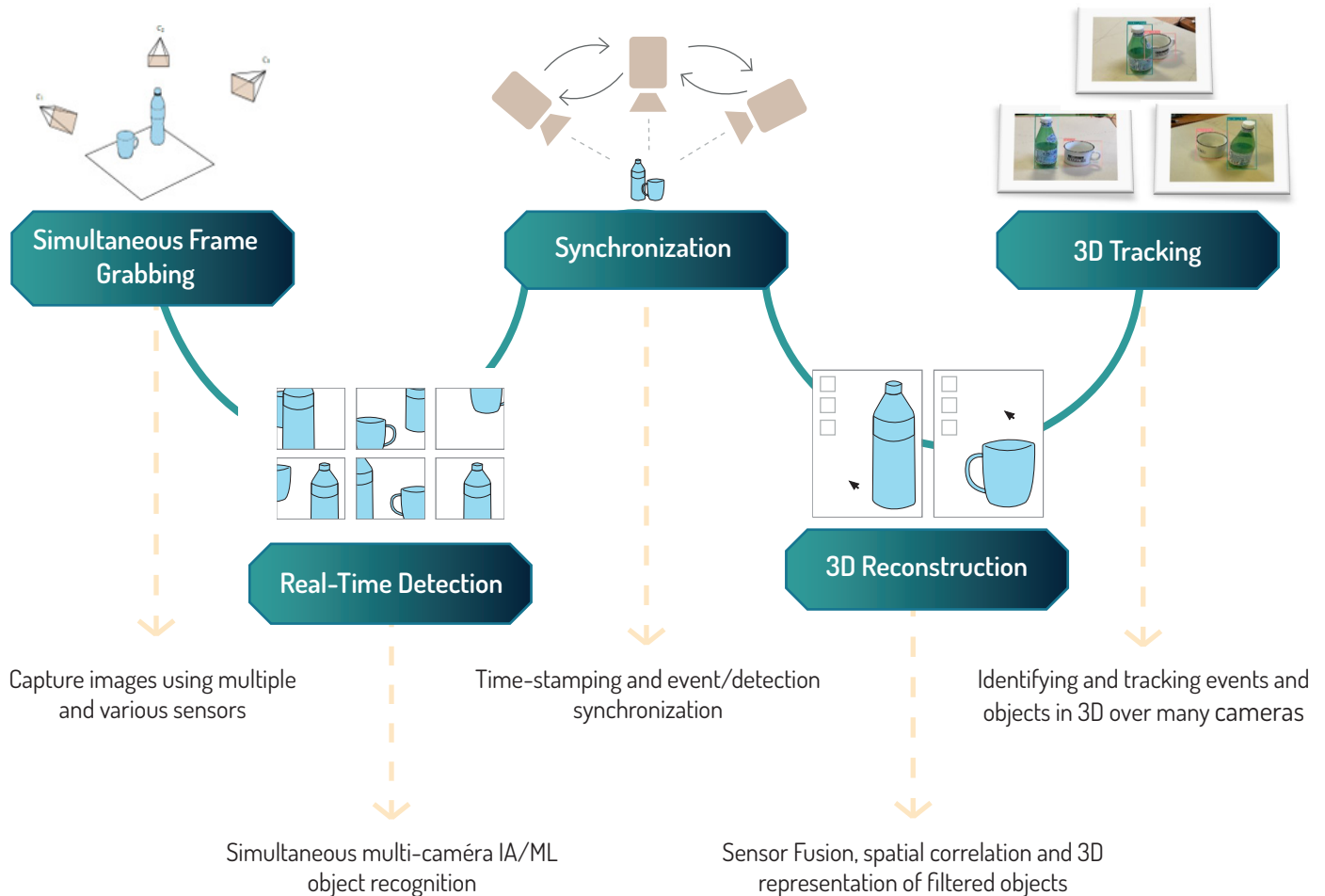
KEY STRENGTHS ///

- R&D and on-demand developments
- Expertise in vision and AI/ML
- Focus on edge computing and embedded
- Developments based on various processing cores (CPUs, GPUs, FPGAs)
- Large ecosystem with innovative partners
- Open approach with strong collaboration
- Long term support and partnerships

REAL-TIME MULTI-CAMERA DETECTION & 3D TRACKING

Vision applications combined with Artificial intelligence (AI/ML) are revolutionizing many use cases in industry, science, military or medical applications by **bringing advanced functionalities and more capabilities** on the field to alleviate the burden of complex and repetitive tasks and limit the human error factor. **Real-time object detection, tracking and automatic defect recognition** are just examples of what is becoming standard technologies for **video-surveillance, process monitoring, quality inspection** and many more use cases.

To go beyond and help you differentiate yourselves on this competitive market, ABTICS is proposing an innovative and original step forward for next generation vision systems. By **combining the strength of AI, sensor fusion capabilities and advanced computer vision algorithms**, ABTICS is offering a **real-time, multi-camera detection and 3D object tracking solution**, available as core building blocks for your next generation projects.



WHAT WILL YOU FIND IN OUR SOLUTION?

- IA/ML models, training and inferences
- Advanced computer vision algorithms
- High speed frame grabbing
- Timing and synchronization
- 3D tracking and spatial recognition
- Sensor fusions
- Open solution - camera vendor agnostic
- CPU, GPU and FPGA technologies