BrickRed Systems
Business and Technology Consulting

Automatic Visual Inspection

Complete smart industry solution that offers automated inspection

Transforming Business with Intelligent AI Solutions

BrickRed is at the forefront of AI innovation, offering comprehensive AI capabilities that transform business processes and drive operational excellence.

We built our base AI platforms using scalable architectures that allow us to rapidly customize and deploy tailored solutions.

Vision AI:

Utilizes state-of-the-art computer vision algorithms for real-time image and video analysis.

Listn.ai:

Leverages cutting-edge natural language processing techniques for accurate sentiment analysis and conversational AI.

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We help you to implement a complete Smart industry solution

- **Hardware Optimization**
  We provide you with all the essential components needed to successfully implement this solution, including high-quality cameras, advanced embedded hardware

- **Vision AI**
  We develop and implement tailored Machine Learning algorithms utilizing Computer Vision, both in the cloud and directly on the devices, ensuring efficient and intelligent processing.

- **Implementation and Integration**
  We ensure the complete implementation of the solution, handling every aspect from deployment to seamless integration with your company's existing systems.

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Industrial Vision Solution

- Predictive Maintenance
- Material Detection
- Visual Inspection
- Classification
- Integration
- Reporting

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Why implement industrial Vision Solution?

- Increase Productivity of employees.
- Improved Quality through visual inspection.
- Optimal cost from improving the quality of products and enabling employee to focus on core tasks.

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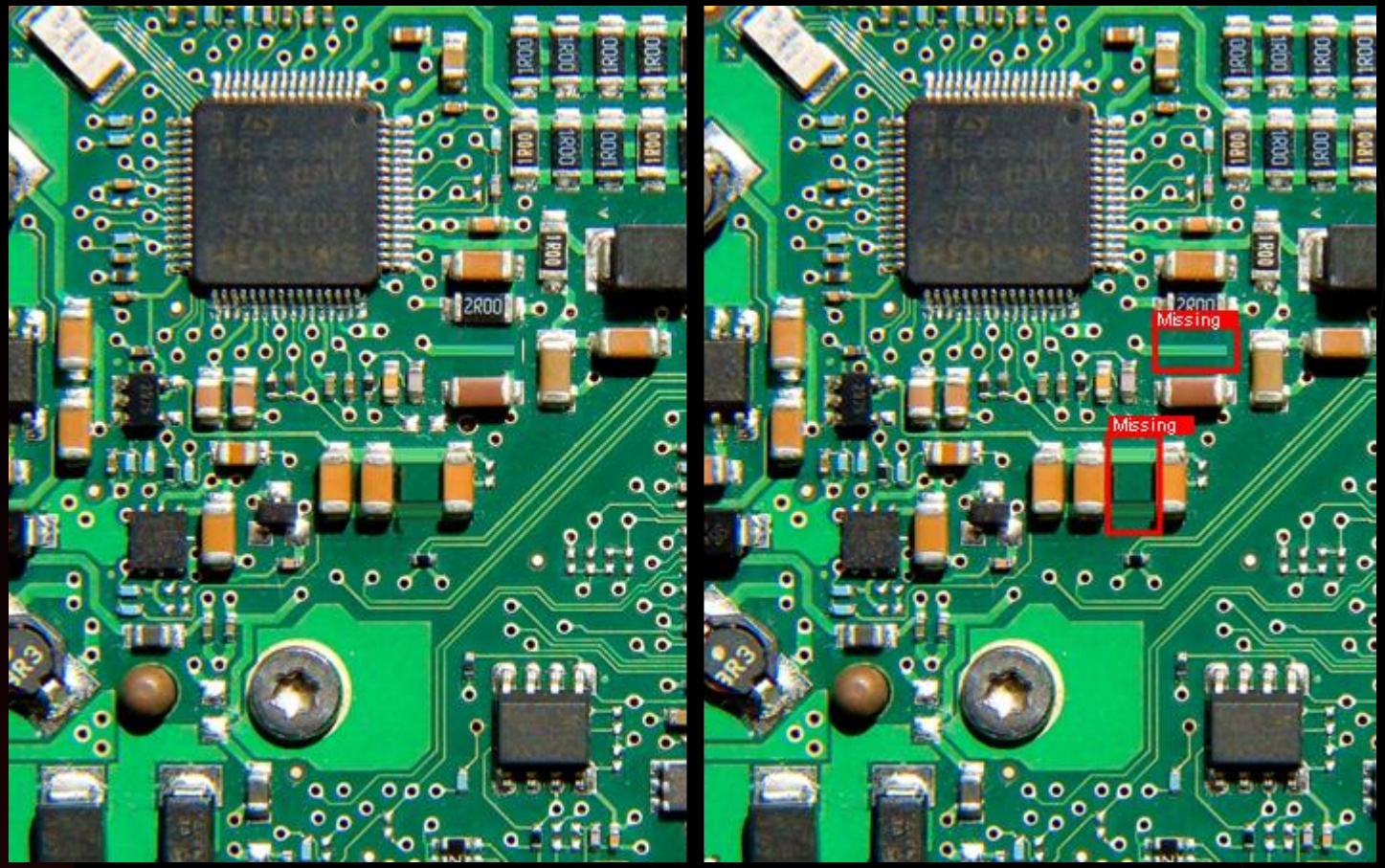
Missing Component Detection

- Detect missing components in real-time to prevent defects.
- Ensure complete products by identifying missing caps, screws, or labels.
- Minimize rework, reduce waste, and improve production accuracy.



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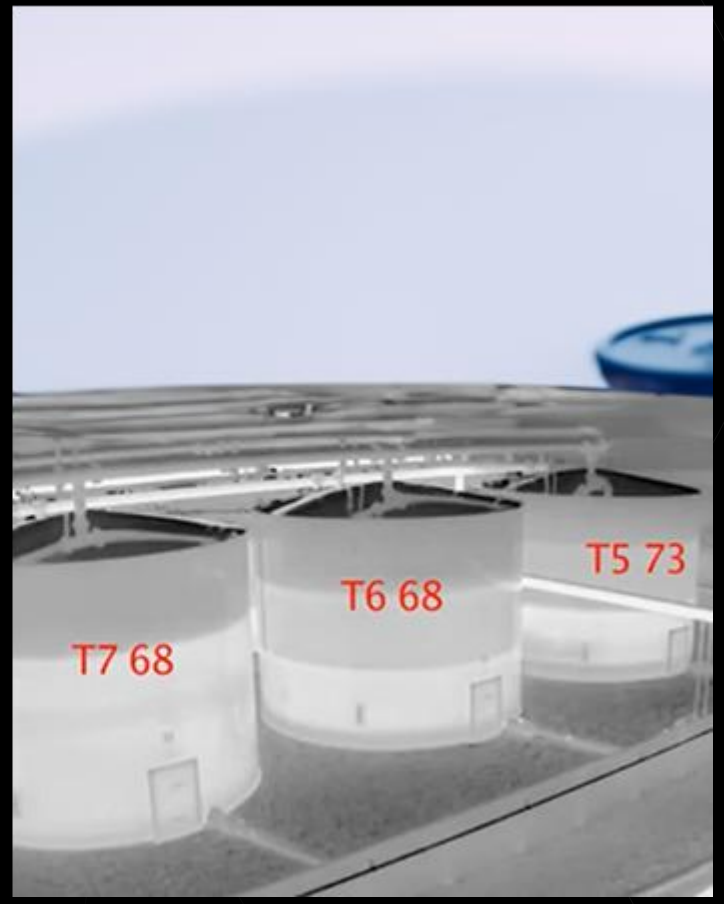
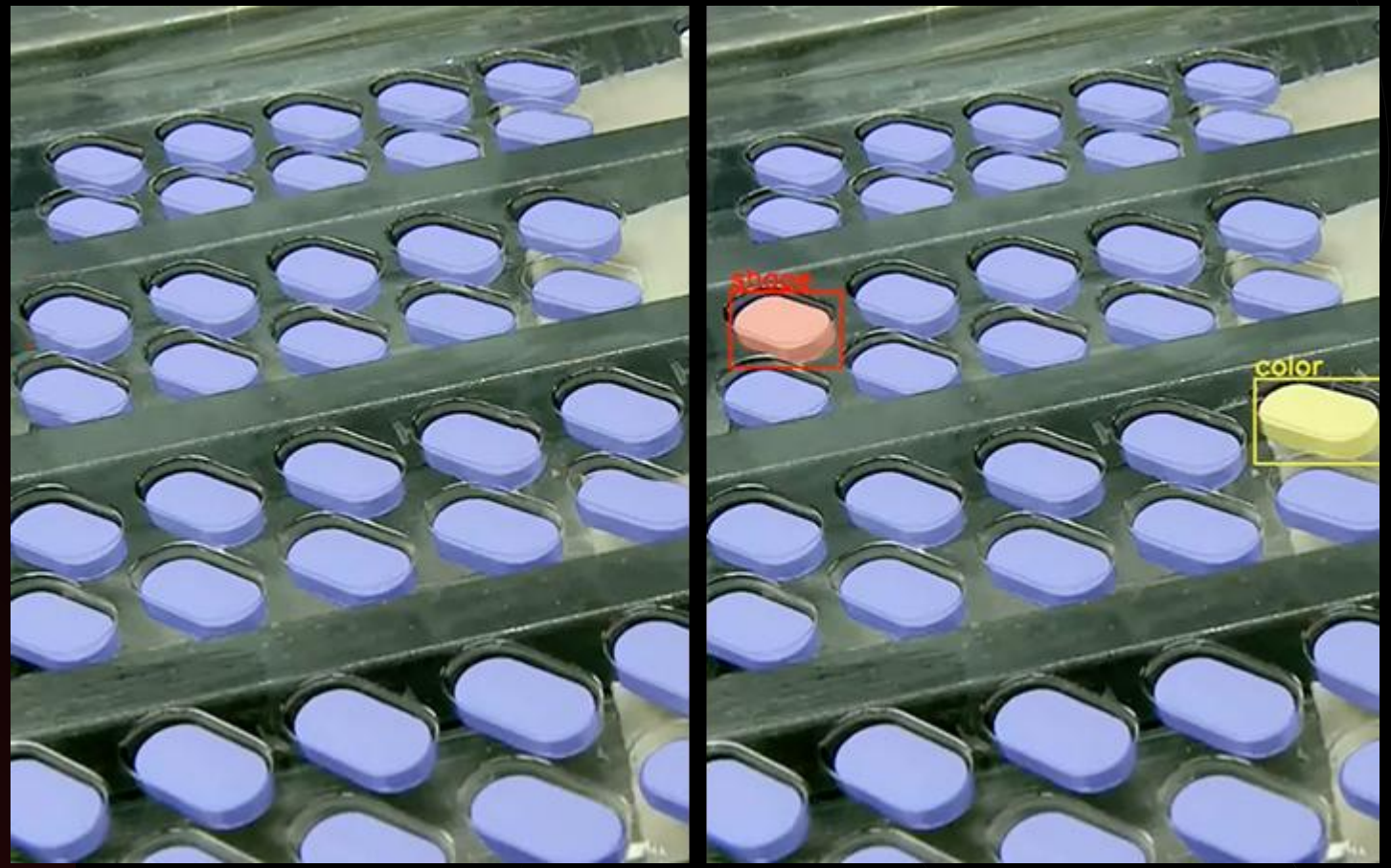
Container Fill Rate Monitoring

- Ensure precise fill levels to meet quality standards.
- Reduce waste and prevent under or overfilling.
- Enhance efficiency and maintain customer satisfaction.



Anomaly Detection

- Detect anomalies instantly to prevent defects.
- Identify issues like improper weld spots in real-time.
- Ensure quality and reduce costly rework.



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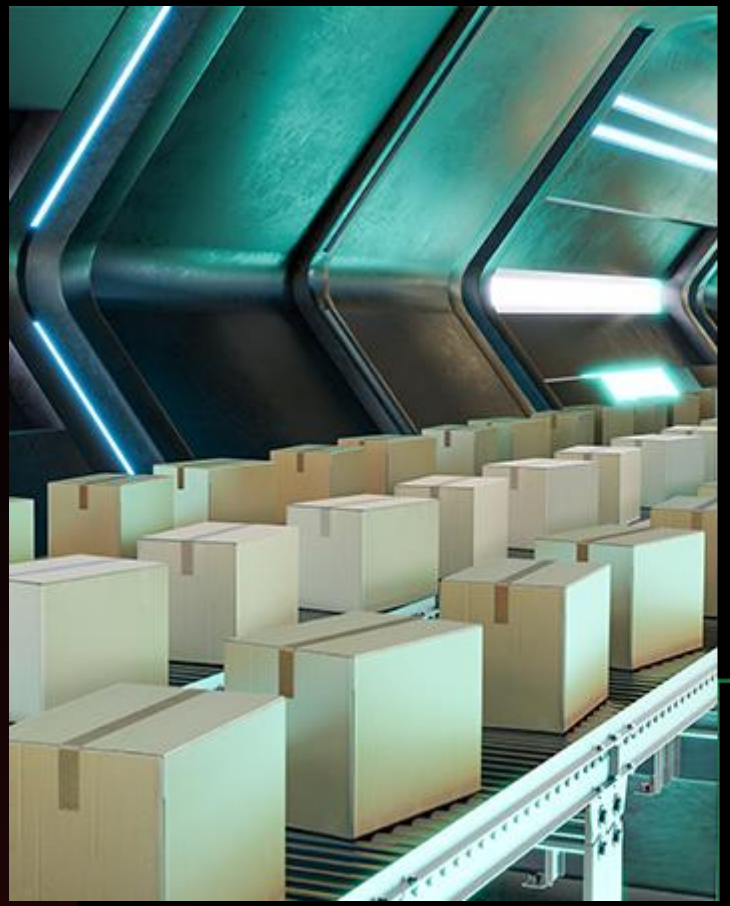
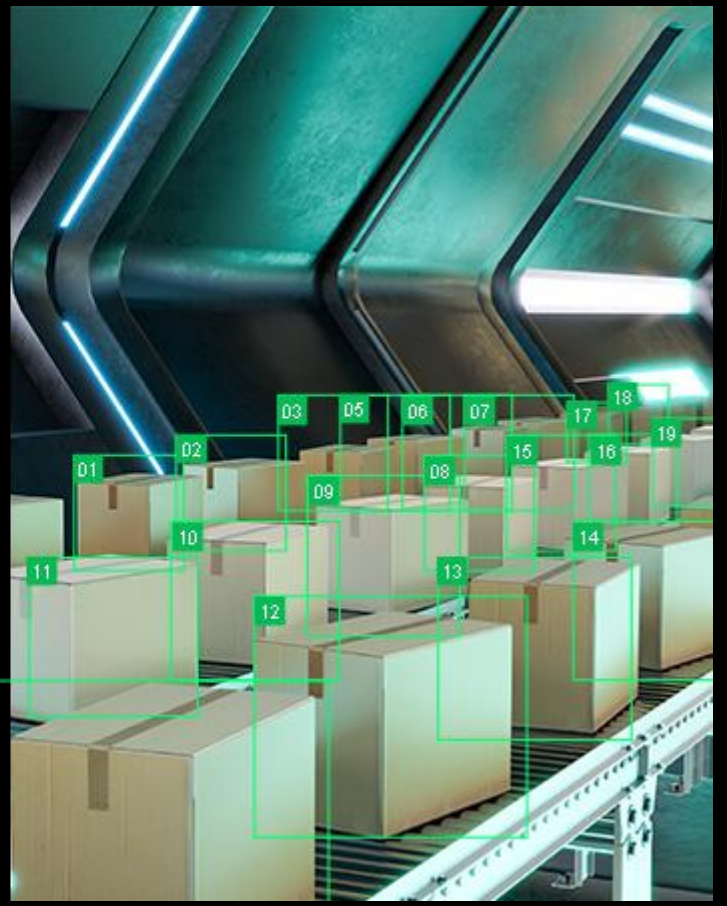
Object Counting & Yield Estimation

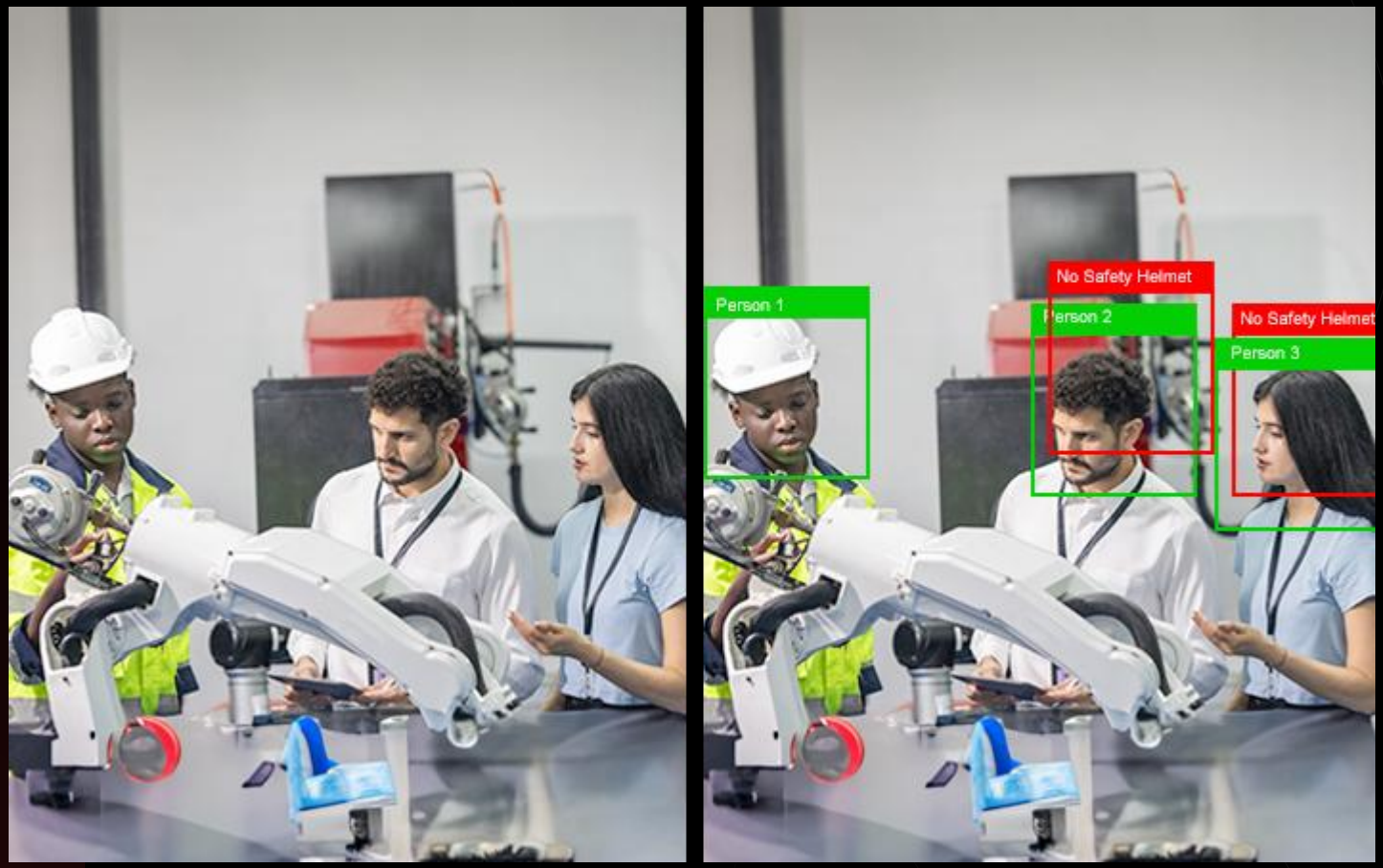
- Accurately count screws, bolts, or components for efficient packing.
- Streamline inventory management with precise yield estimation.
- Enhance productivity by reducing manual counting errors.



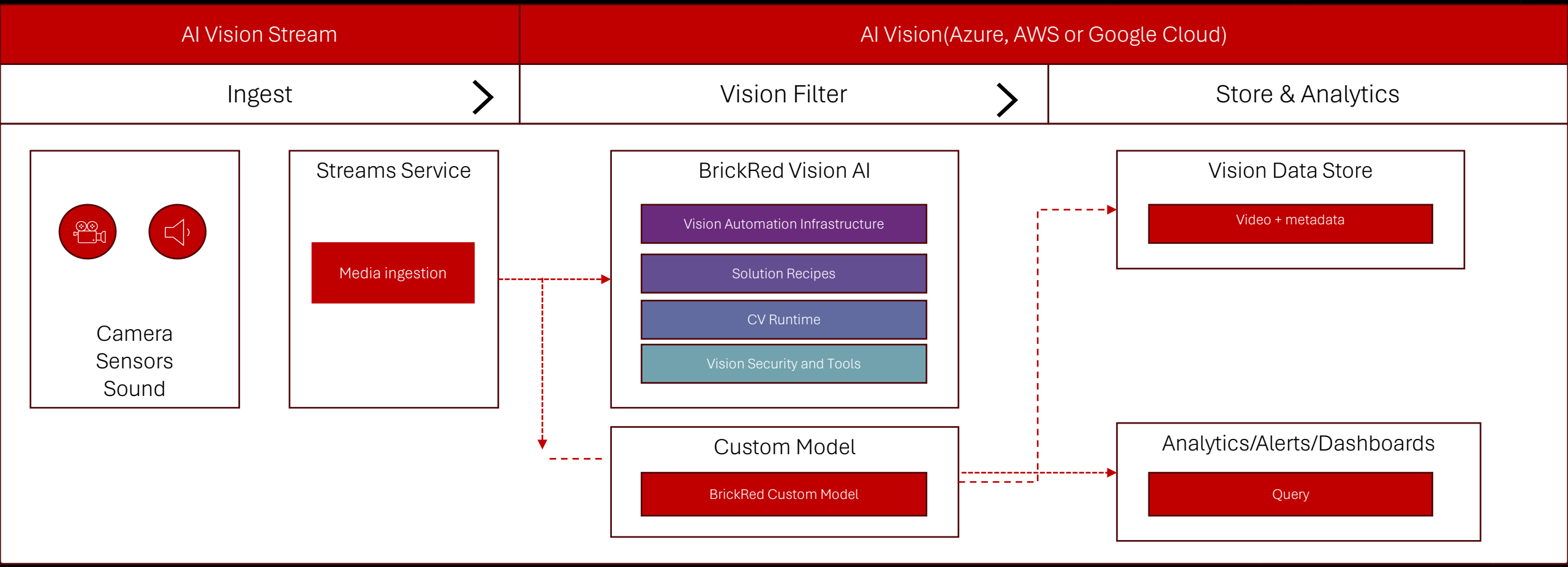


Ensure Regulatory Compliance

- Automate quality checks to align with industry standards.
- Reduce risks of costly errors and non-compliance penalties.
- Ensure products meet all necessary regulatory requirements effortlessly.



Brickred Vision AI Architecture



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