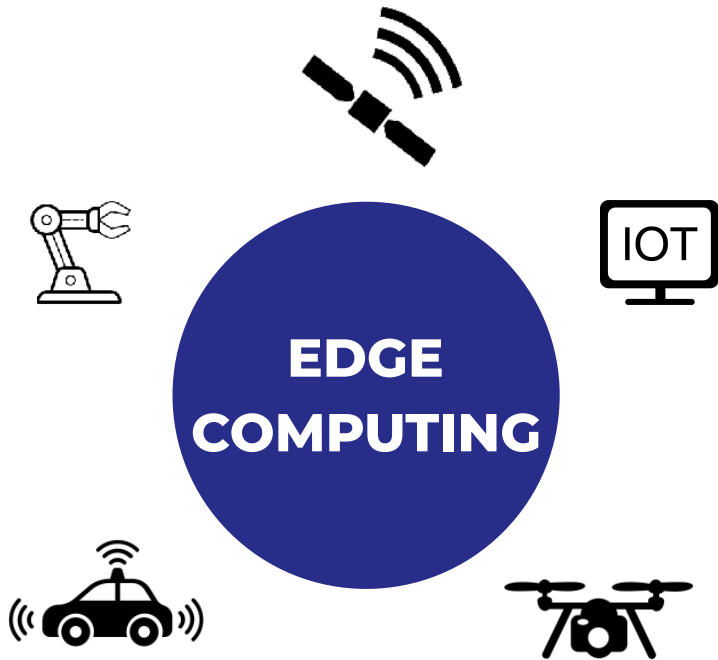


# KLEPSYDRA, EXCELLENCE EVERYWHERE

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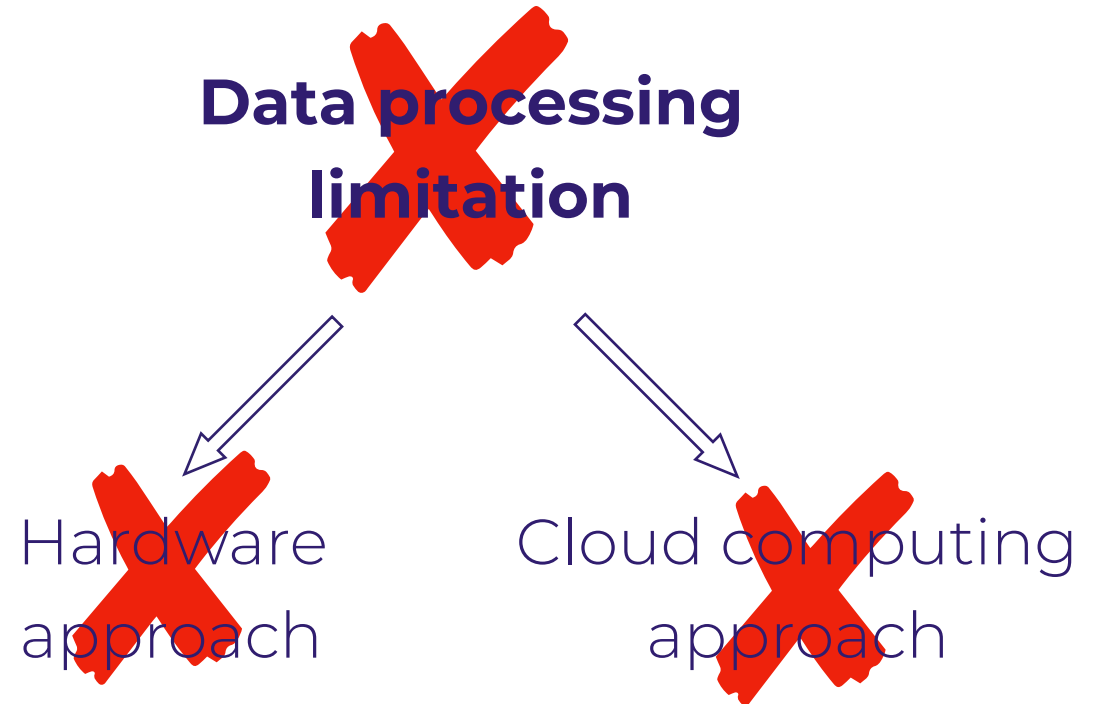
[angelo.ghiglino@klepsydra.com](mailto:angelo.ghiglino@klepsydra.com)  
[www.klepsydra.com](http://www.klepsydra.com)



## WHY KLEPSYDRA?

*"By 2025, 75% of all data will be produced and processed at the edge"*

*Gartner*



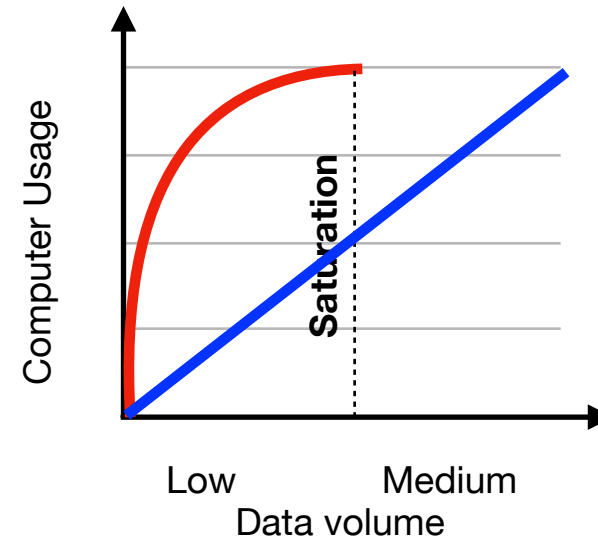
# KLEPSYDRA

## WHY KLEPSYDRA?

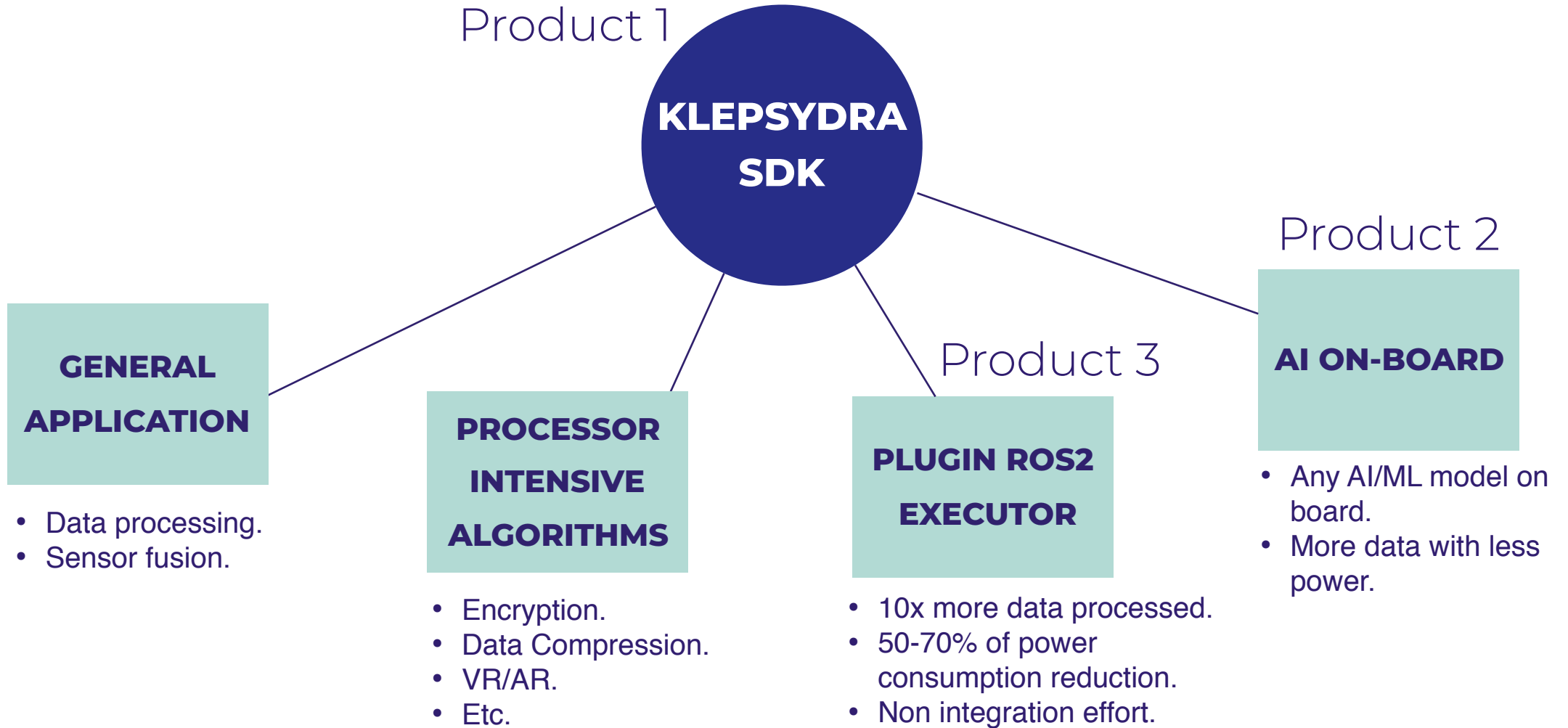
### Software approach

1. Increase of data processing in real-time.
2. Zero data loss.
3. Power consumption reduction

### Trading Software



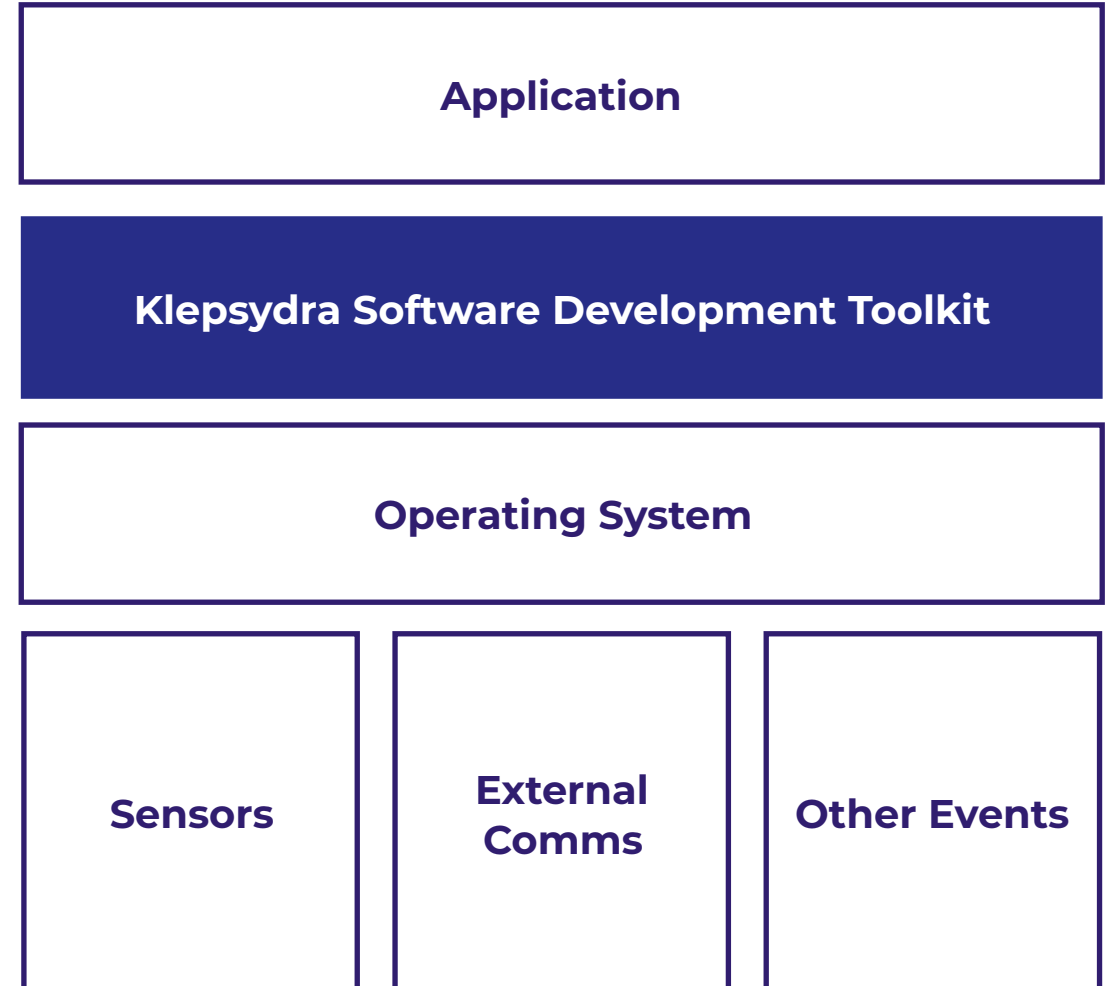
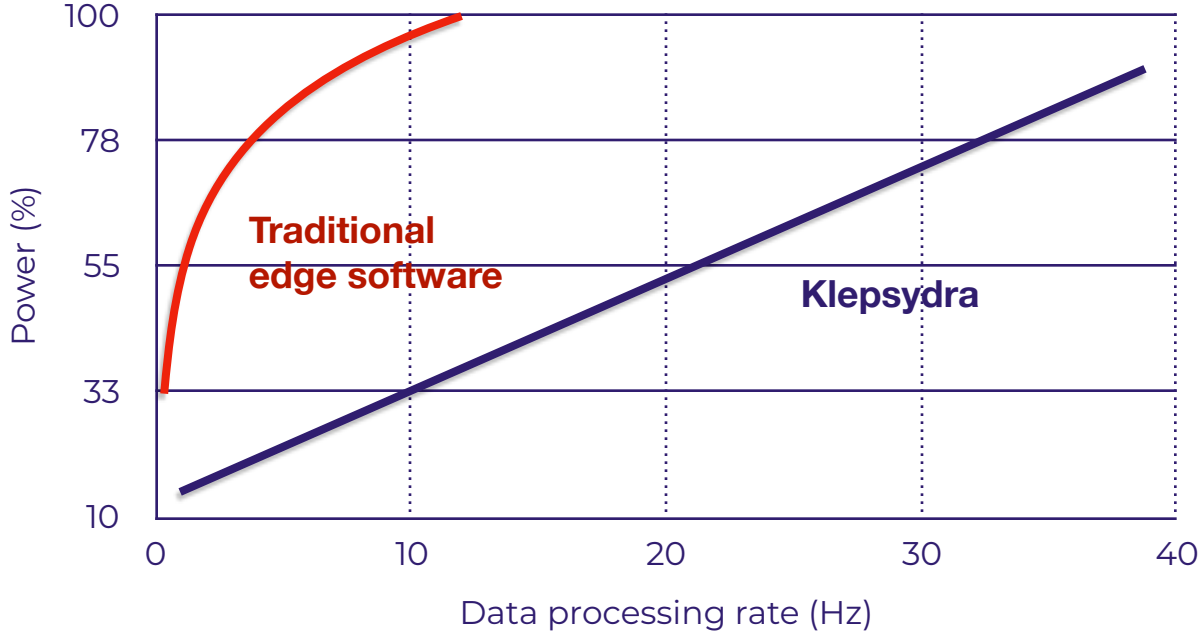
## WHAT IS KLEPSYDRA?



- **Process 400% more data**
- **Reduce 50% power consumption**
- **No extra hardware, no cloud computing.**

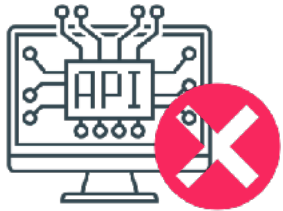
**COBHAM** Benchmark

Power consumption vs Data Processing



## Data recording

Before



## USE CASES (SDK)

### Image Processing & Earth Observation



- Run high precision models on the edge
- 50% less power consumption
- 2x to 8x more data in real-time

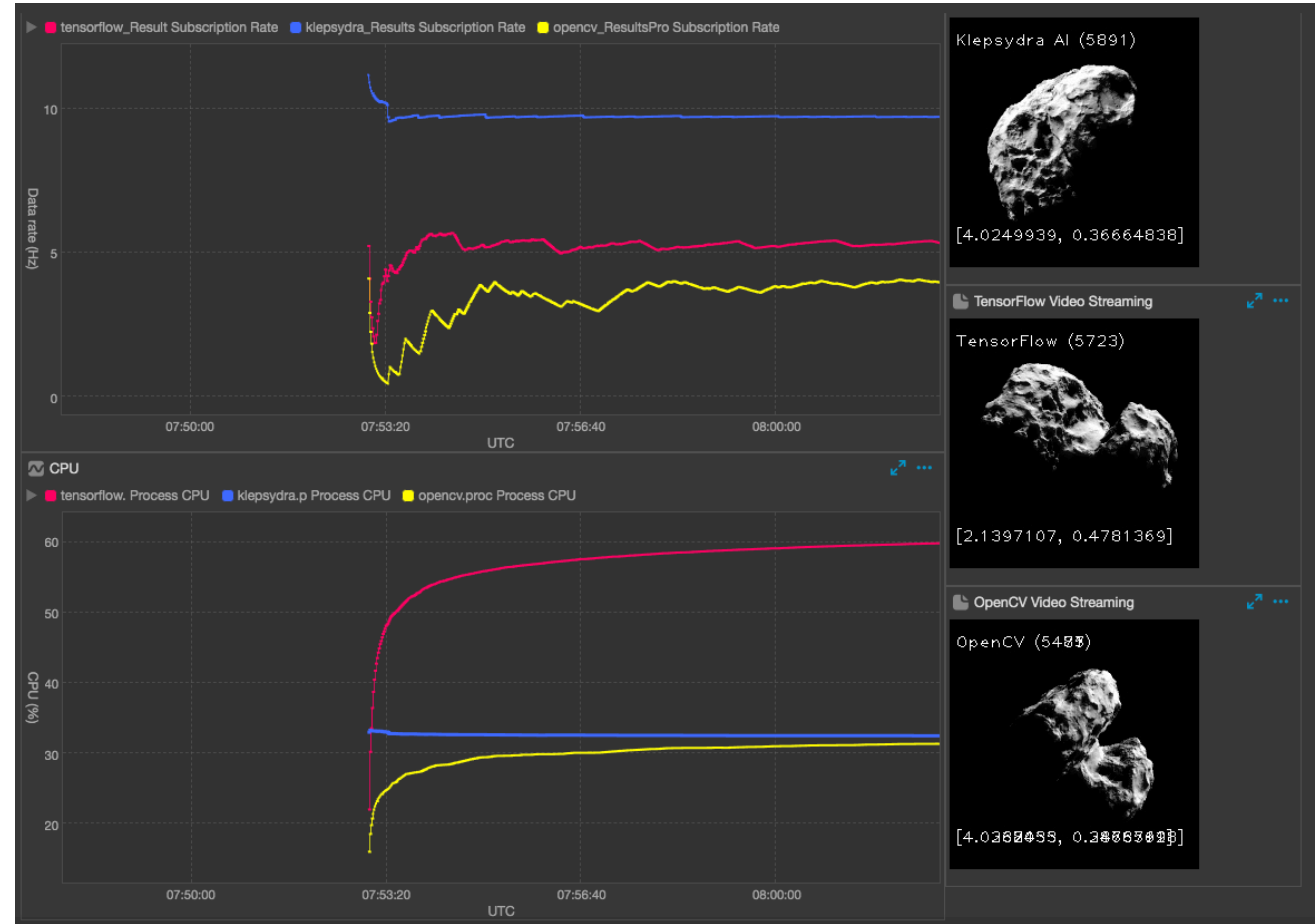
Customer Trained Model

**Klepsydra AI**

Images

Timeseries

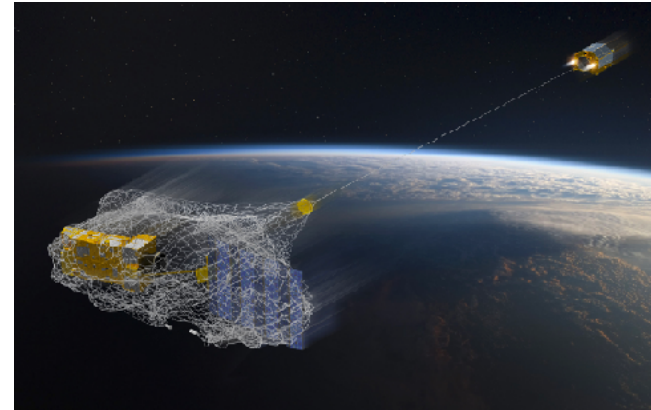
Sensor Data



<https://klepsydra.com/klepsydra-ai-online-demo/>

## USE CASES (AI)

### Vision navigation



**Before**  
0.5 Frames per second

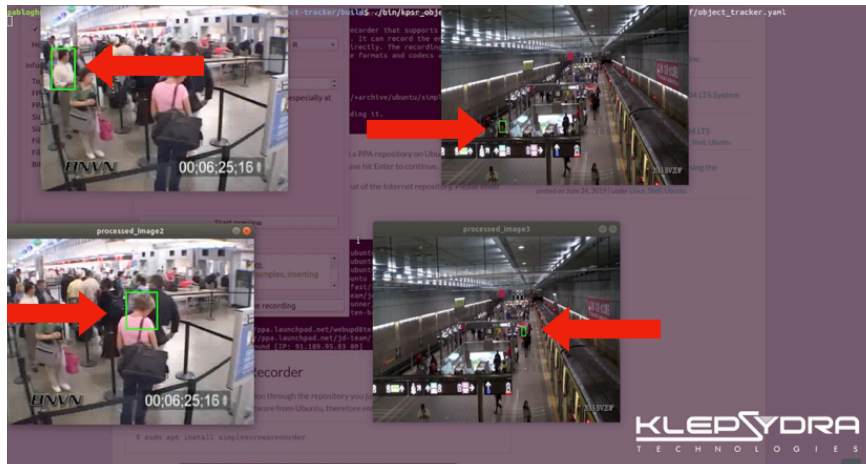
**After**  
4 Frames per second

### Computer vision



**Before**  
90% CPU


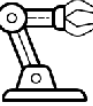



**After**  
50% CPU



### Object detection

***“By 2025, 50% of enterprises will have devised AI orchestration platforms to operationalize AI”***

*Gartner*

Business Model	Features	Sectors
<p><b>License Model</b></p>	<ul style="list-style-type: none"> <li>• Standalone payment.</li> <li>• Subscription model for technical support.</li> <li>• Software license.</li> </ul>	
<p><b>Software as a Service (SaaS)</b></p>	<ul style="list-style-type: none"> <li>• Annual/monthly fee.</li> <li>• Cloud app (docker solution).</li> <li>• Applicable for systems (robotics, drones, etc.) which have Hardware as a Service as business model.</li> </ul>	<ol style="list-style-type: none"> <li><b>1. Space</b></li> <li><b>2. Robotics</b></li> <li><b>3. Airspace</b></li> <li><b>4. Automotive</b></li> <li><b>5. IoT</b></li> <li><b>6. Defense</b></li> </ol>  
<p><b>Turnkey projects</b></p>	<ul style="list-style-type: none"> <li>• It includes license + additional services.</li> <li>• Full operational solutions will be provided depending on client's requirements. For example:             <ul style="list-style-type: none"> <li>▶ AI model + Training + Inference.</li> <li>▶ Full SDK integration.</li> </ul> </li> </ul>	<ol style="list-style-type: none"> <li><b>7. Smartphones</b></li> </ol>  

- Reliability:
  - Zero data loss
  - Real-time processing
- Simple and less cost:
  - Easy to implement
  - Less (or none) cloud interaction
  - No extra hardware
  - No extra engineering cost
- Versatility & Scalable:
  - Specific solutions for general applications

***OUR TRIAL VERSION  
IS ALREADY  
AVAILABLE!!!!***