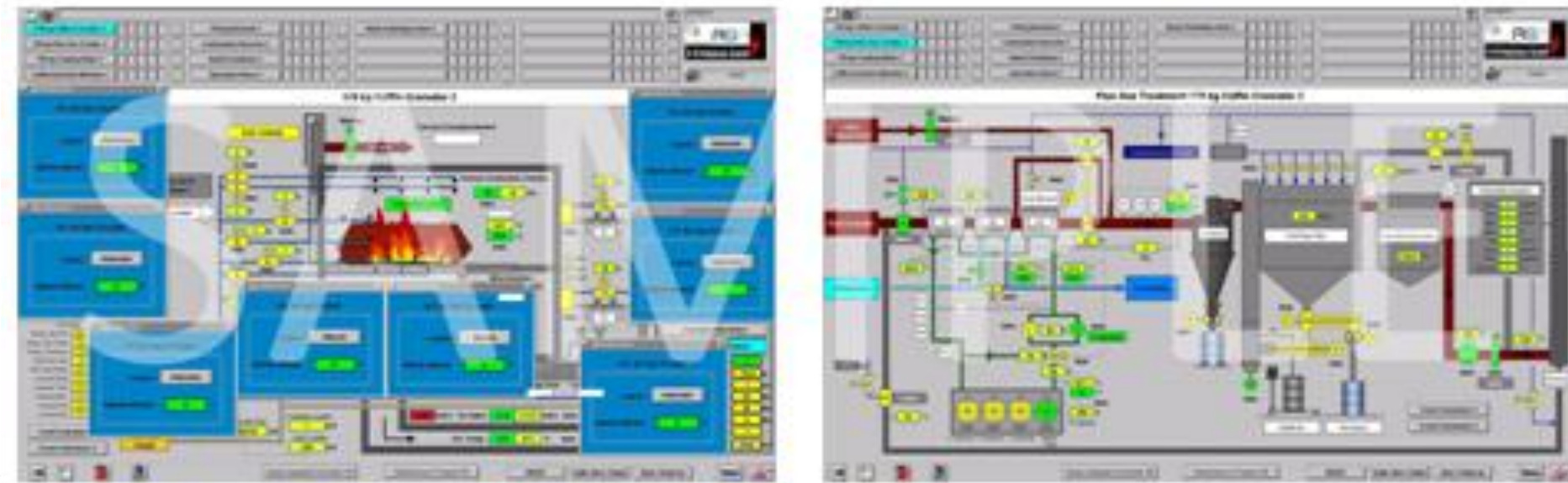


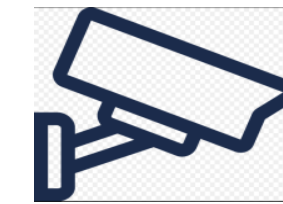
Traditional Cremation

Camera image

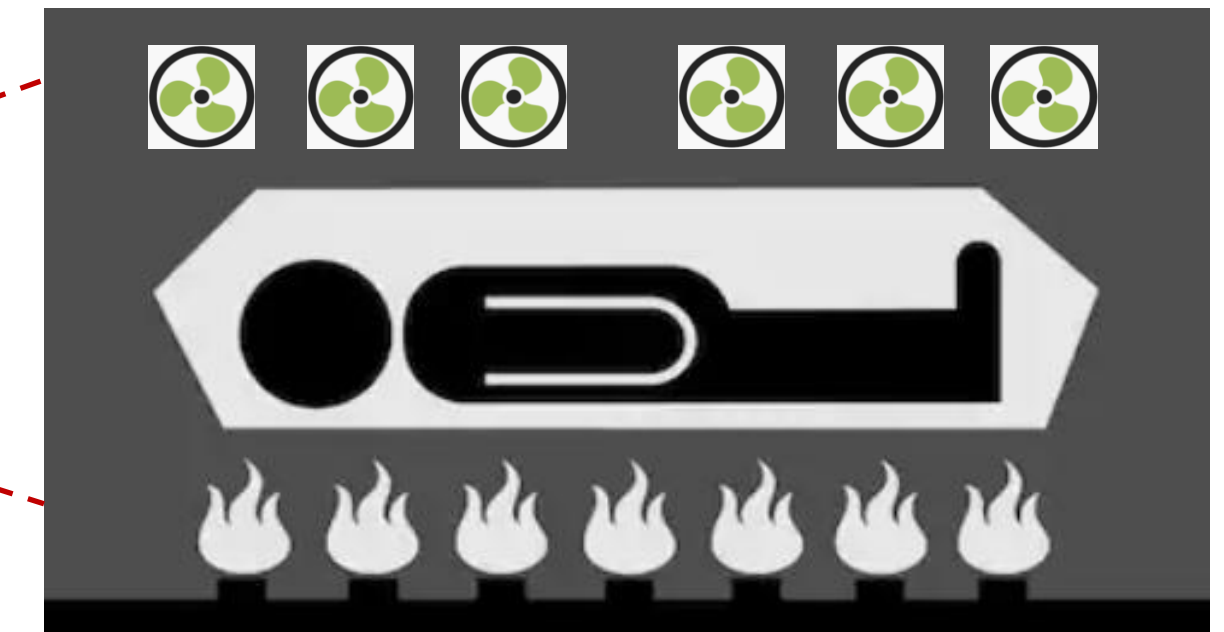


Crematory management software

Camera



Fan x 6

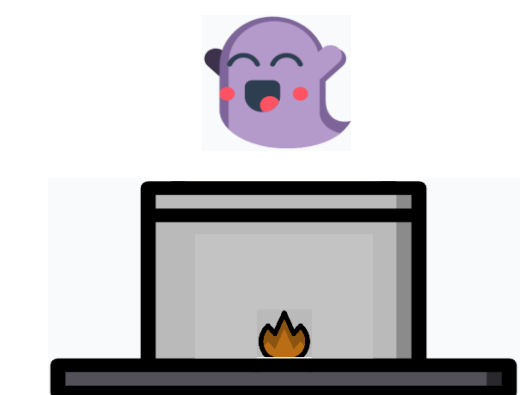


Operation Log	
Operator 1	
Date: xx-xx-2019	
Time: 09:xx	@#\$^&&*<>
Time: 10:xx	@#\$^&&*<>
.....	
Time: 11:xx	@#\$^&&*<>



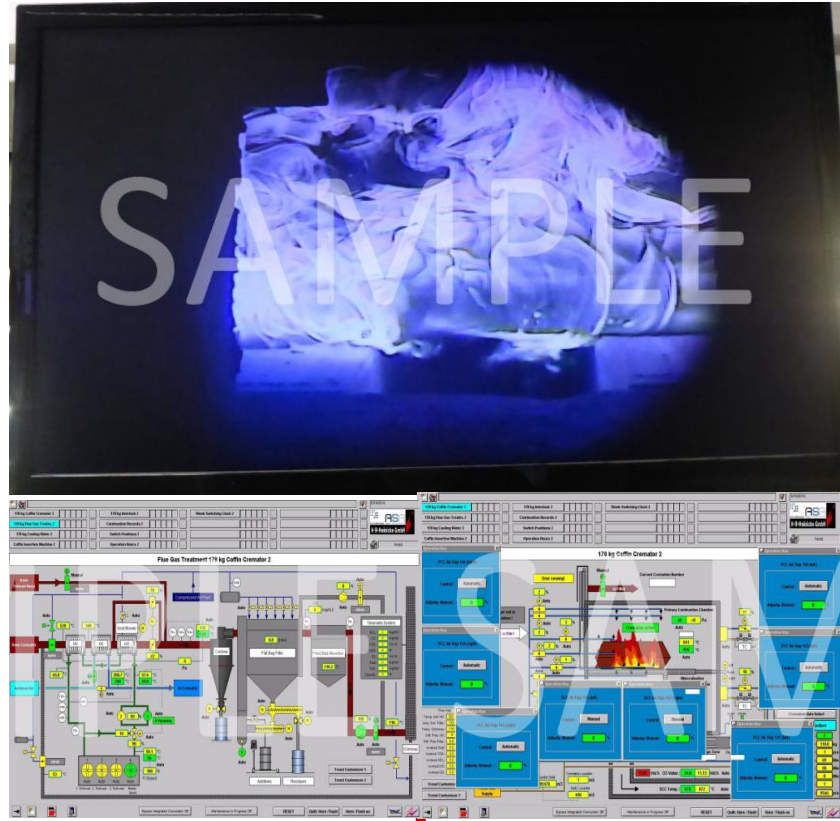
Operator

The Cremation Process

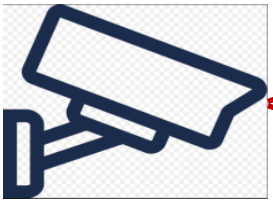


Automation Cremation

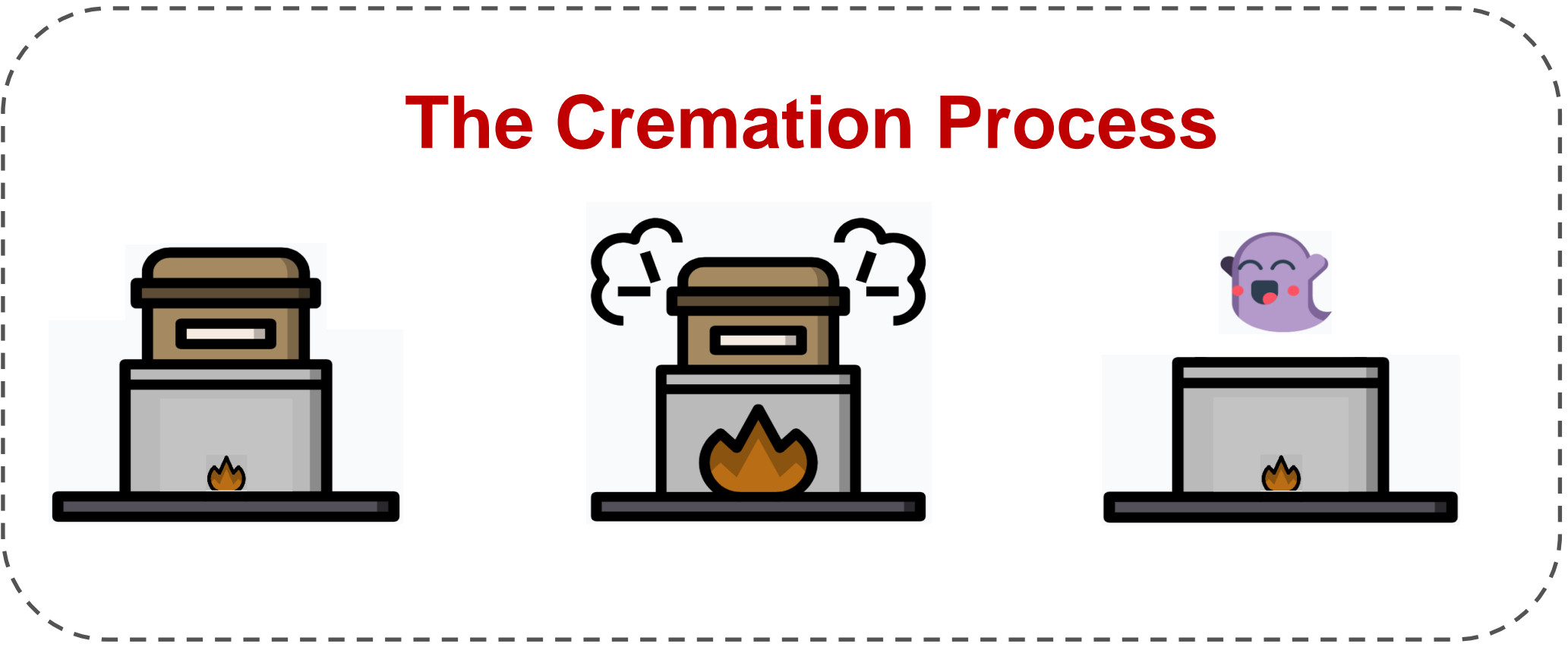
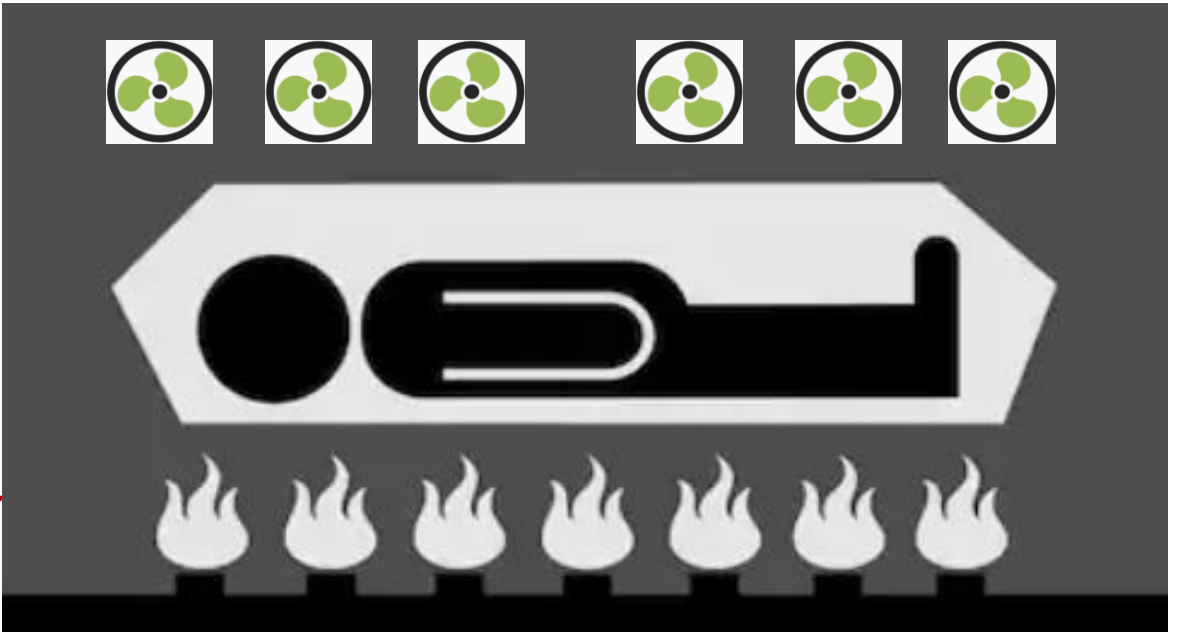
Crematory management software and camera image are merged into one photo



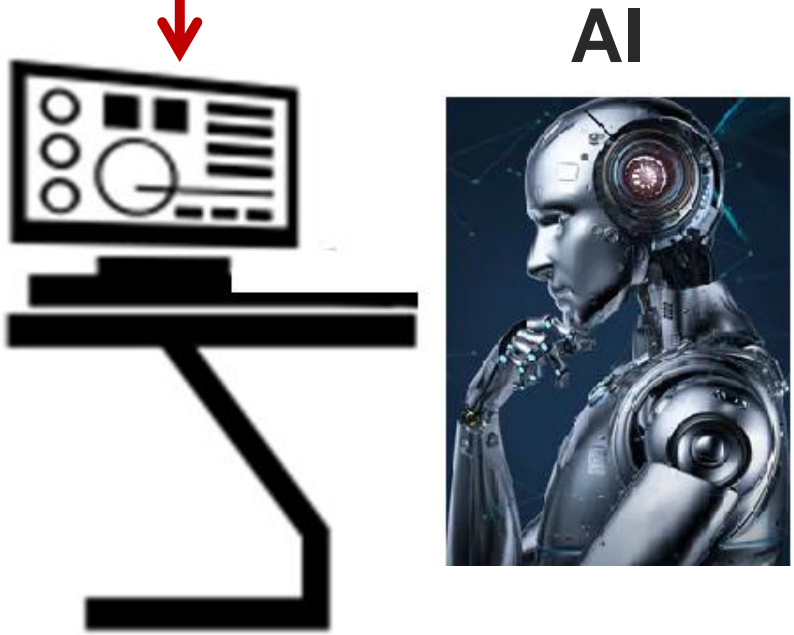
Camera



Fan x 6



Operation Log
AI System 1
Date: xx-xx-2019
Time: 09:xx @#\$^&&*<>
Time: 10:xx @#\$^&&*<>
.....
Time: 11:xx @#\$^&&*<>



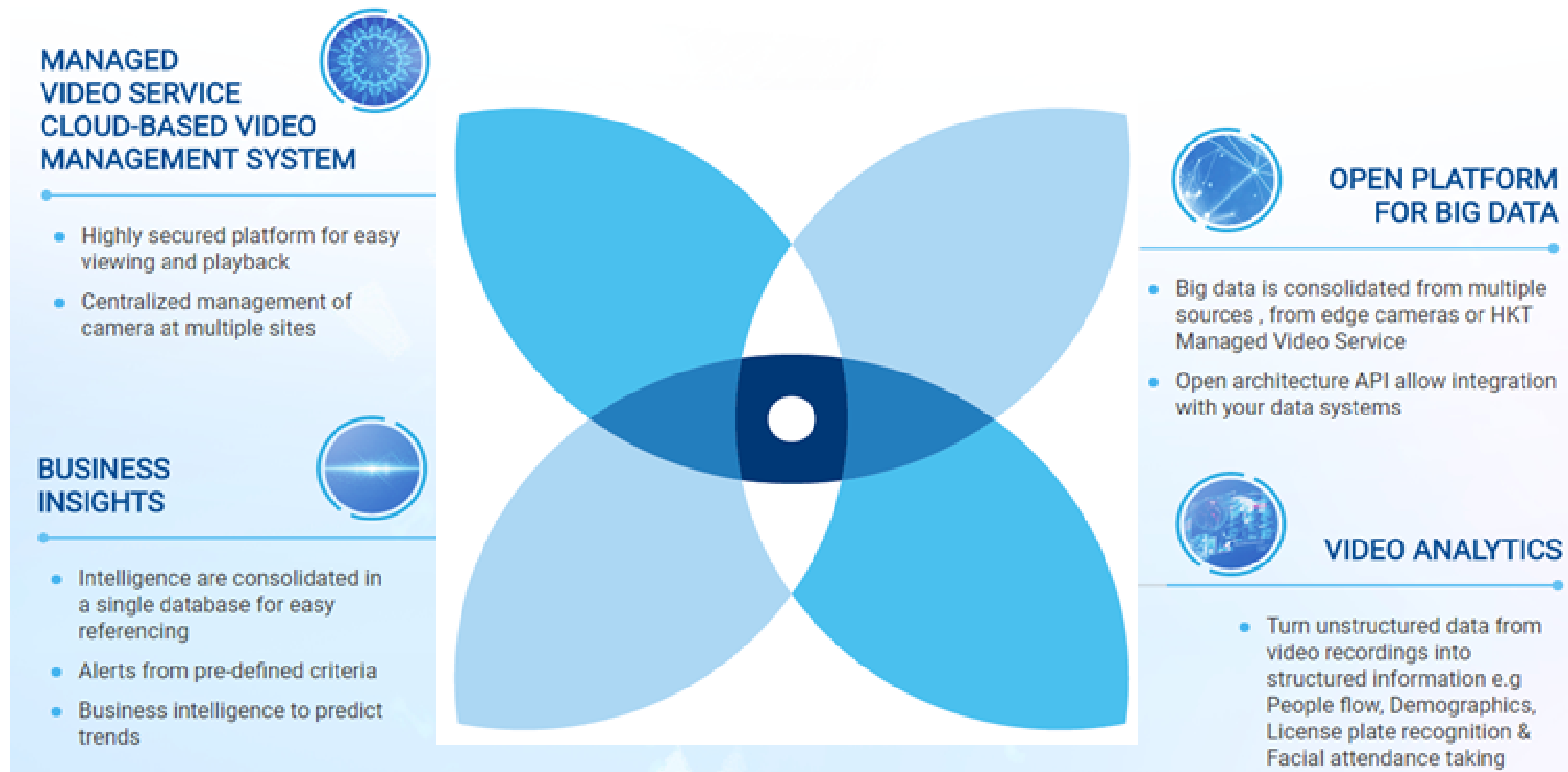
AI system perform combustion control based on the classification of captured photos

The more photo capture, the more accuracy result

Iris by HKT*From Surveillance to Intelligence*

Iris – a smart video platform that...
transforms your surveillance videos
into vital intelligence that you can act on

UNLIMITED CAPABILITIES

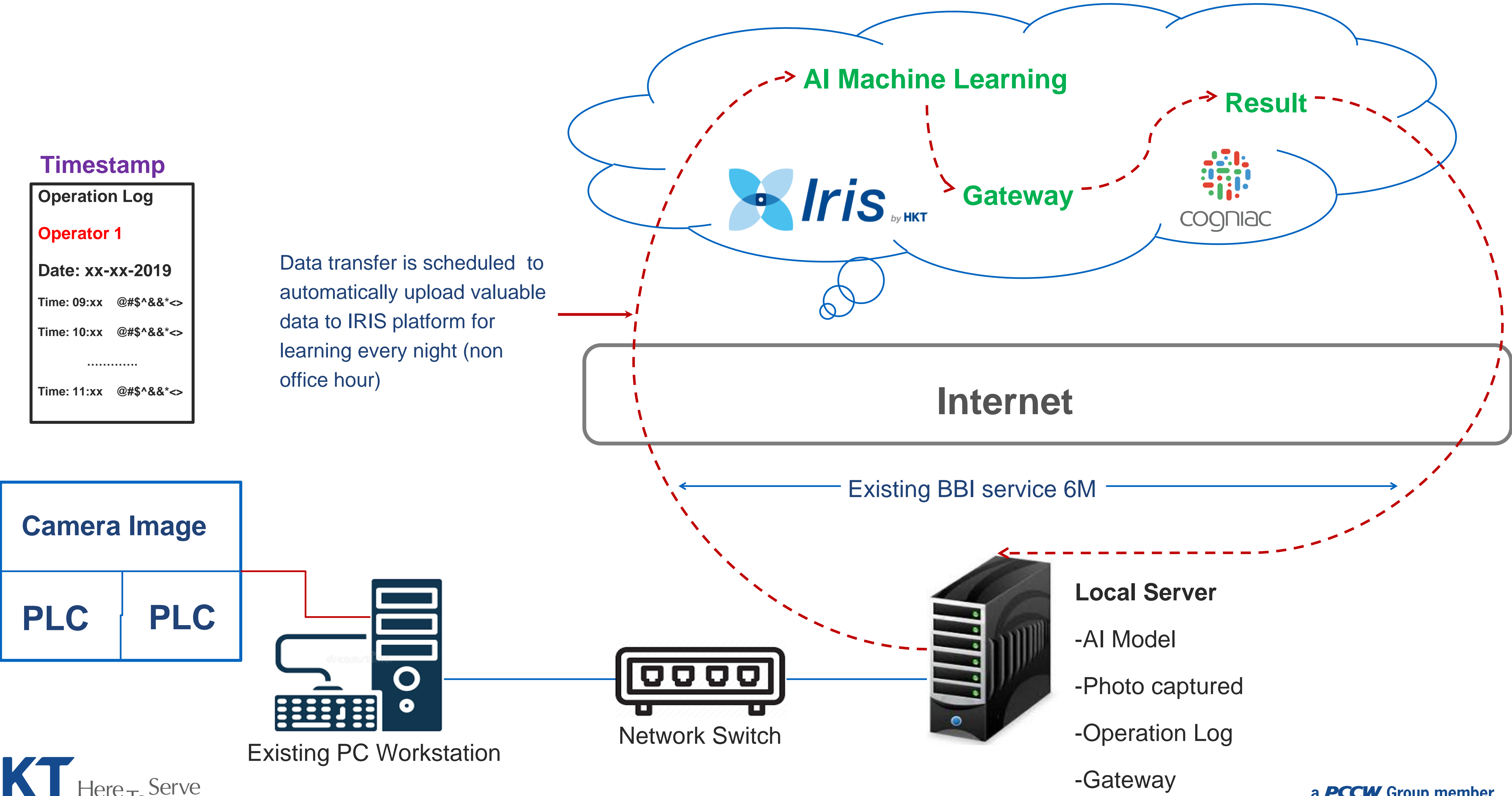


Cogniac enables anyone to easily extract actionable information from any source of visual data

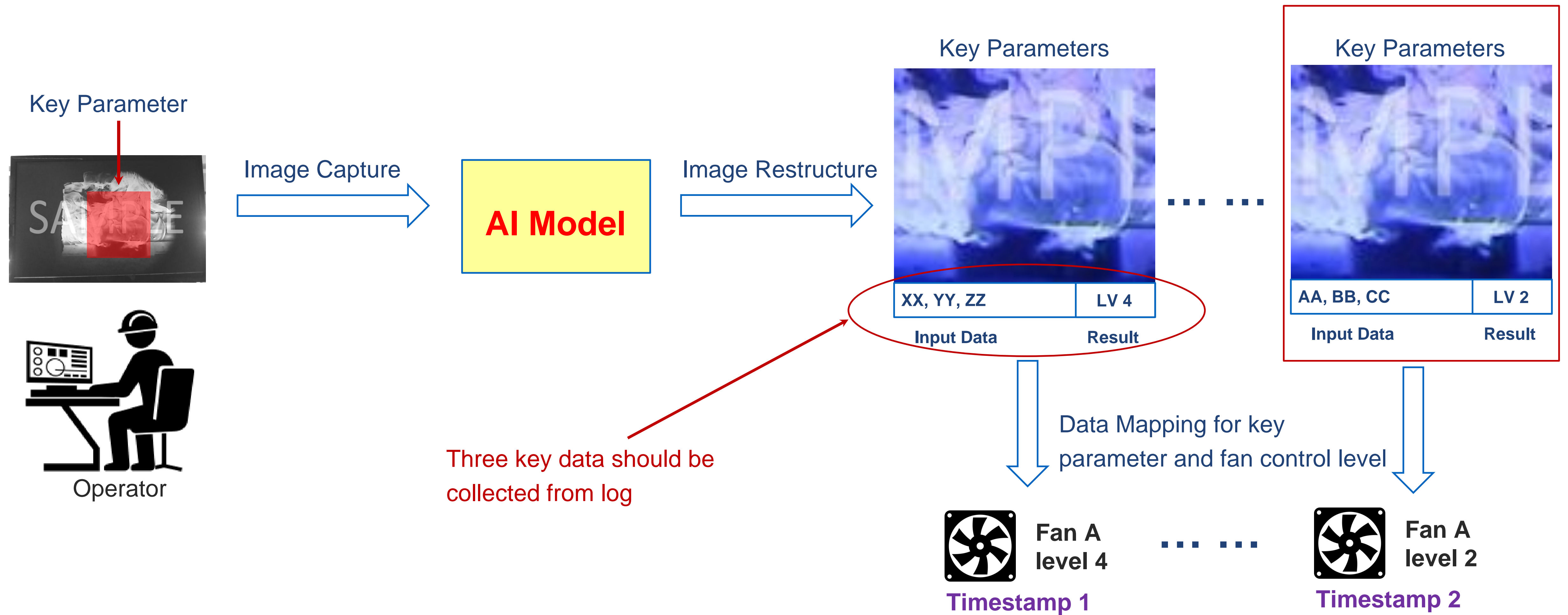


Cogniac cloud training platform performs tasks such as detecting, classifying, measuring, or counting items, conditions, or actions of interest.

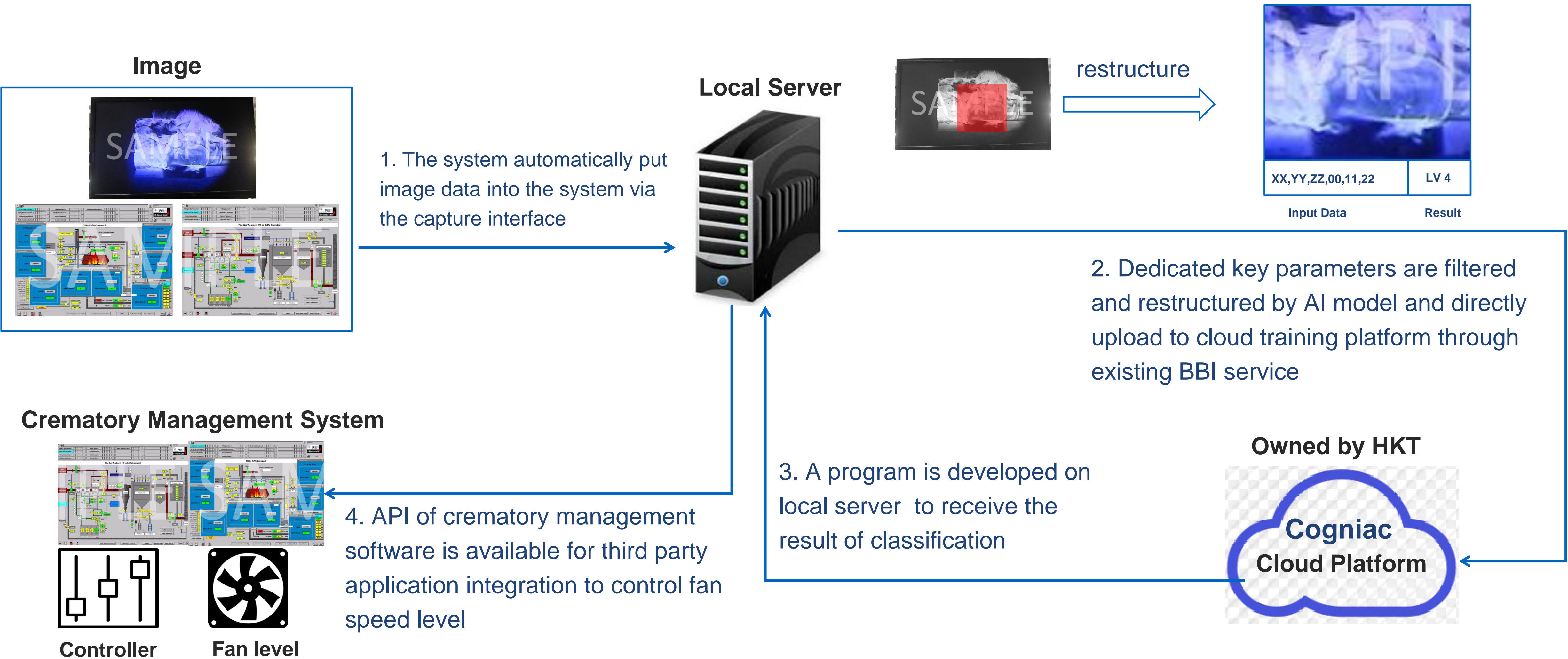
Automation Cremation Solution Diagram



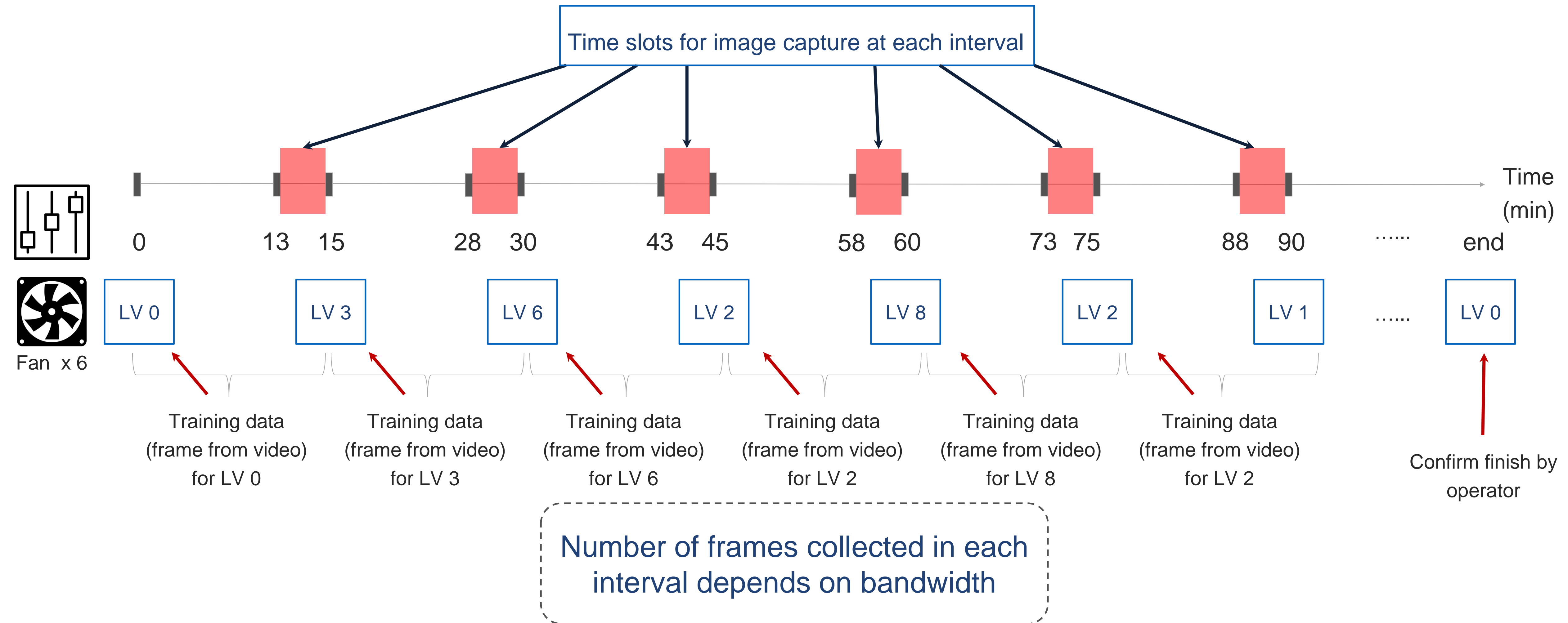
AI Model Application Training Strategy



AI Model Architecture and Approach

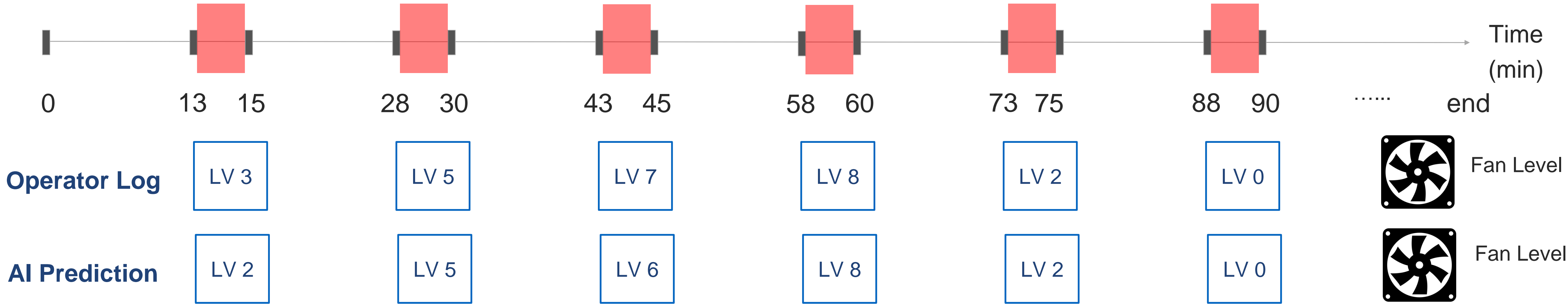


Training Data Collection



* Frame from video refers to screen capture of management console and CCTV

PoC Testing Method



Operation Log

Operator 1

Date: xx-xx-2019

Time: 09:xx @\$^&&*<>

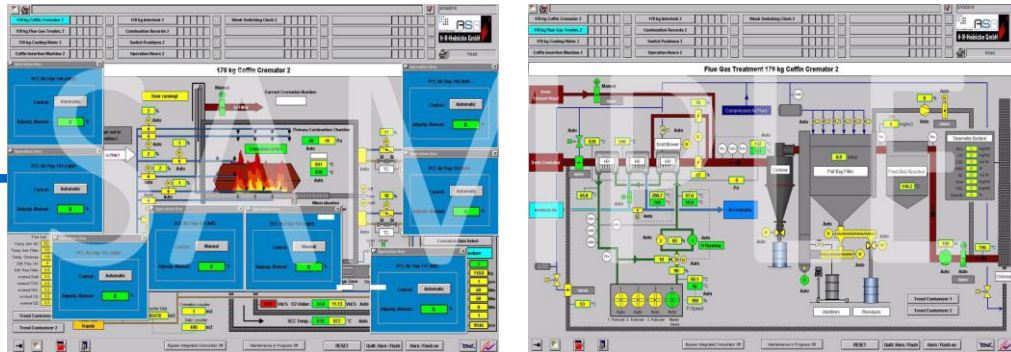
Time: 10:xx @\$^&&*<>

.....

Time: 11:xx @\$^&&*<>



Accuracy evaluation by comparing the operation log between manual log and AI log to estimate the accuracy rate on the same case and time interval



Case A



Operation Log

AI

Date: xx-xx-2019

Time: 09:xx @\$^&&*<>

Time: 10:xx @\$^&&*<>

.....

Time: 11:xx @\$^&&*<>

Working Programme

Training

- Duration: 6 month
- Data collection up to 5400 cases for Image classification with 60% accuracy rate
- Duration: 12 month
- Data collection up to 10800 cases for Image classification with 80% accuracy rate

Evaluate

- Duration: 2 weeks
- PoC for comparison between AI operation result and manual operation result on the same situation and timestamp

Execute

- Duration: 4 weeks
- System integration between Cogniac and crematory management software
- A well-trained machine learning system can work as a trainer to assist a new operator