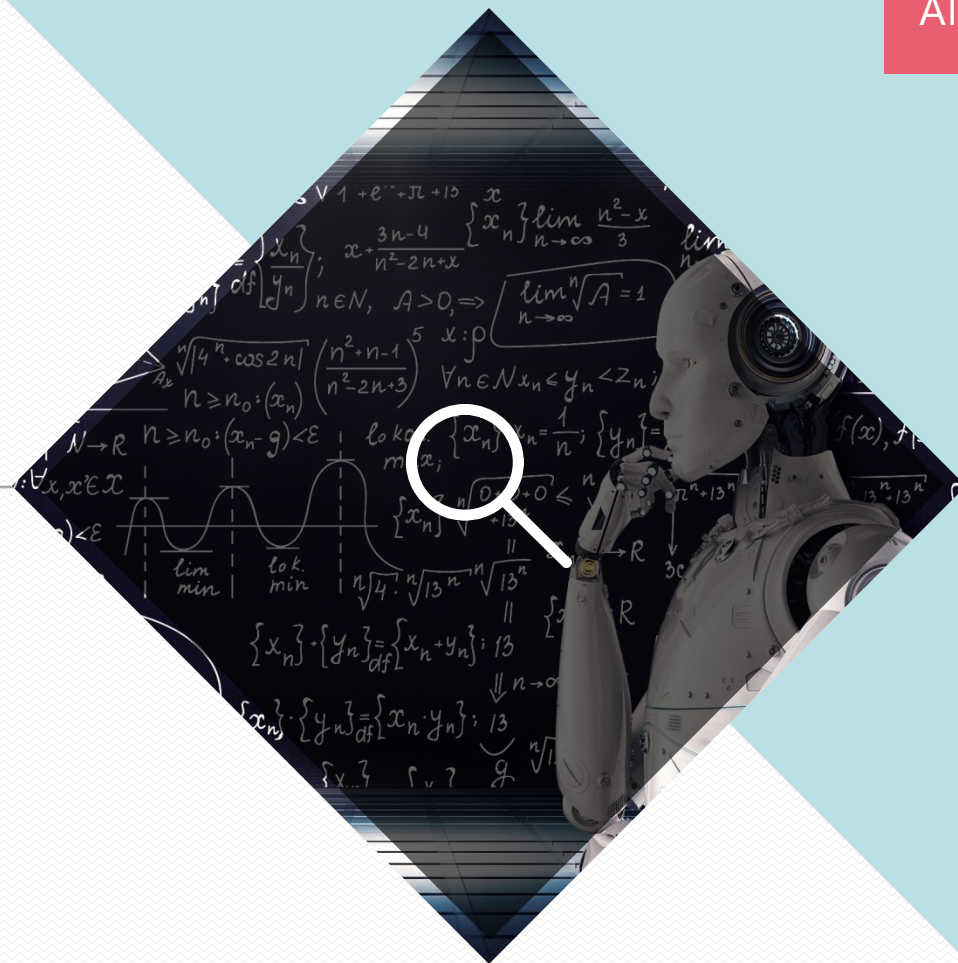
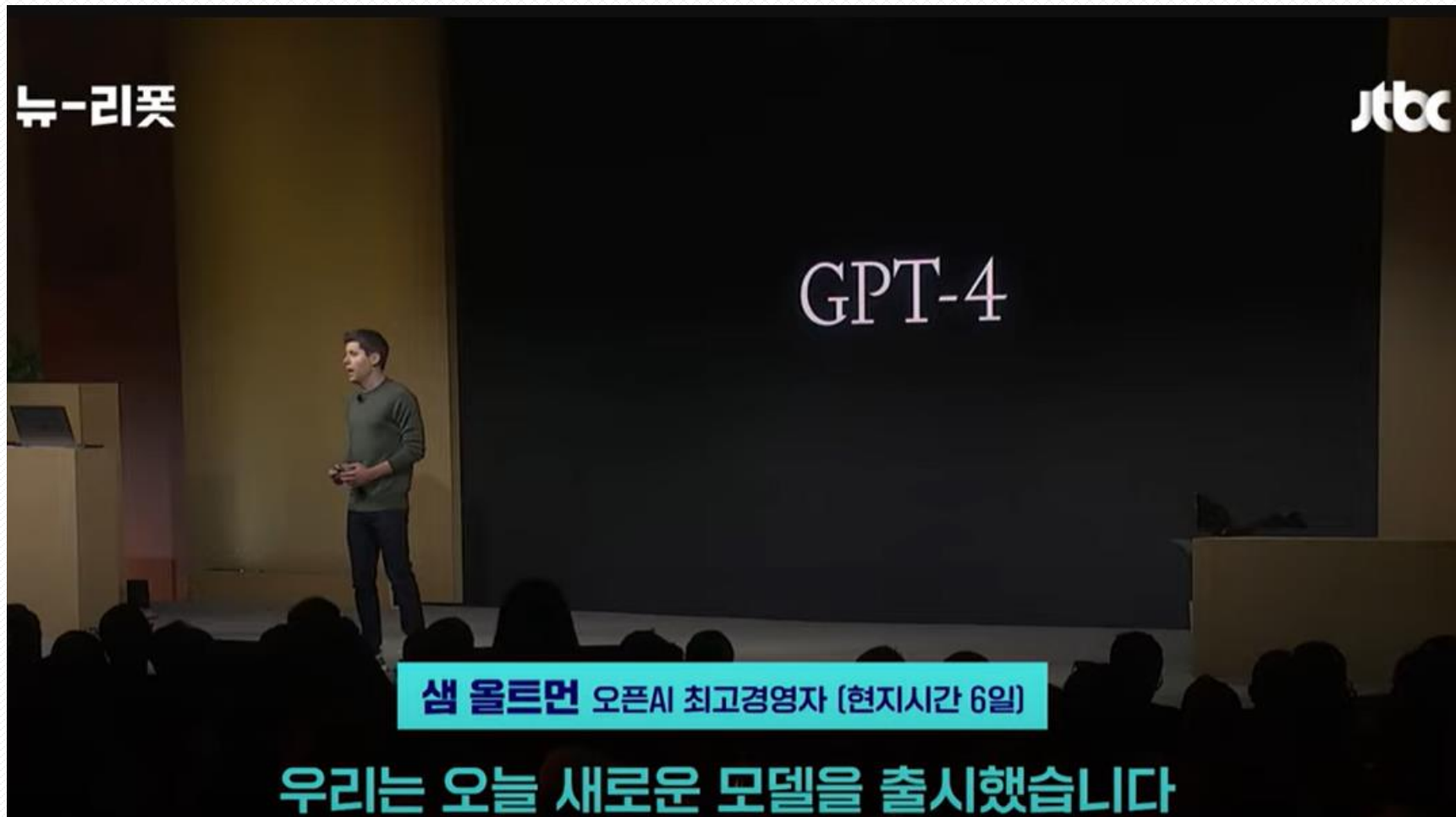


OpenVINO



CONTENTS



Contents

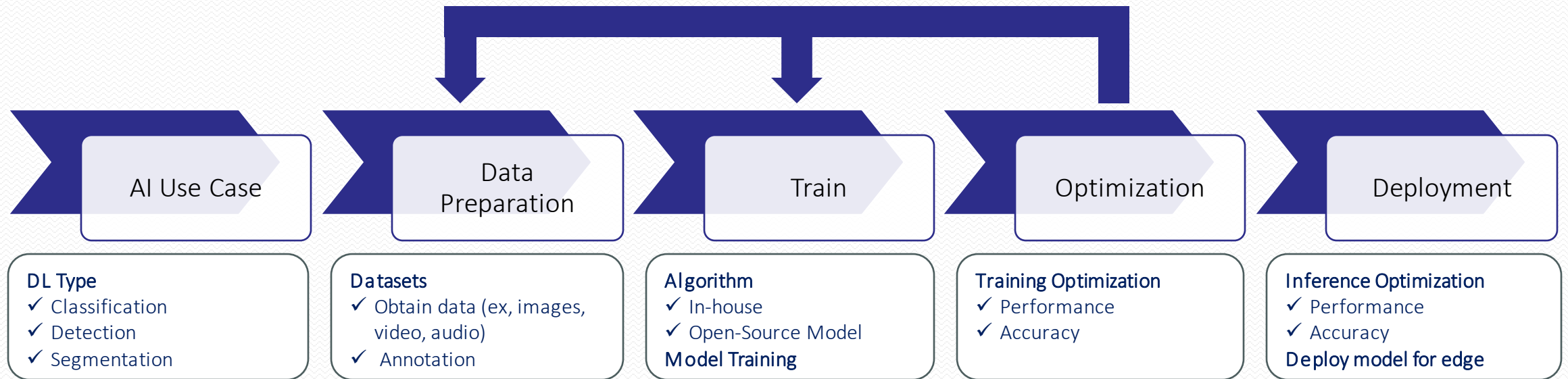
1. General AI workflow

2. What is OpenVINO?

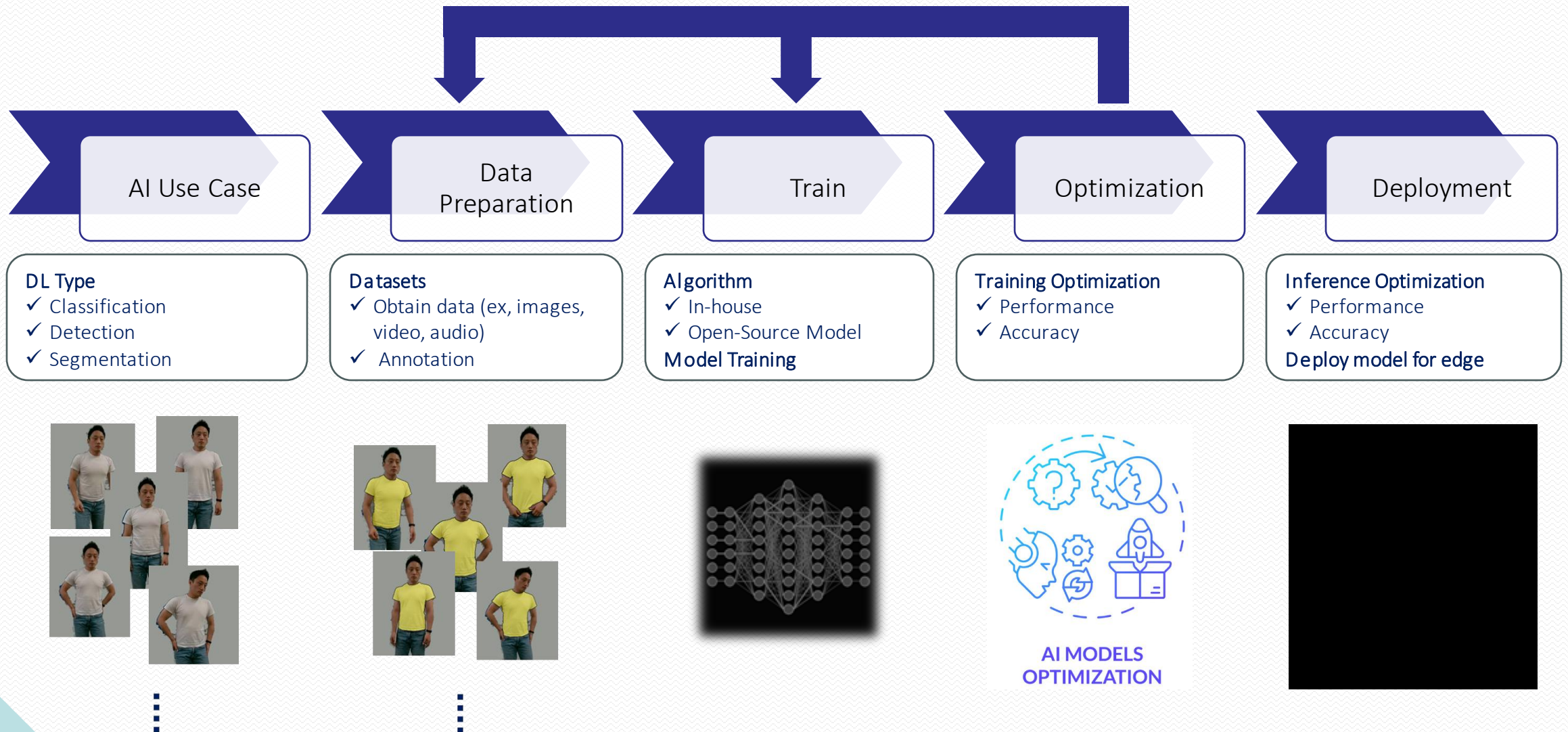
3. How OpenVINO works?

4. Benefits of OpenVINO

1. General AI Workflow



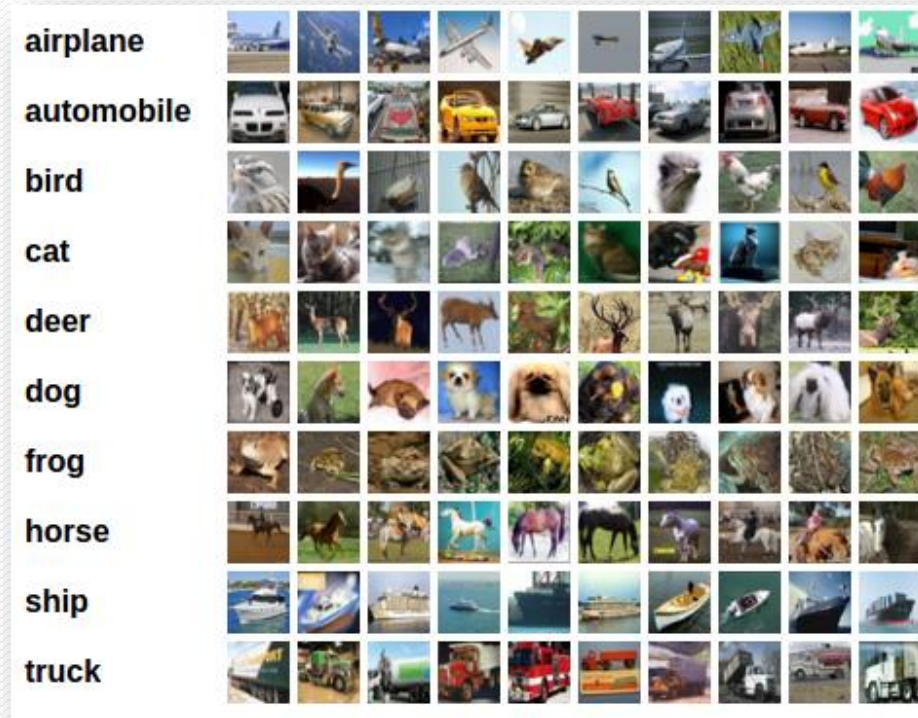
1. General AI Workflow - Example



1. General AI Workflow

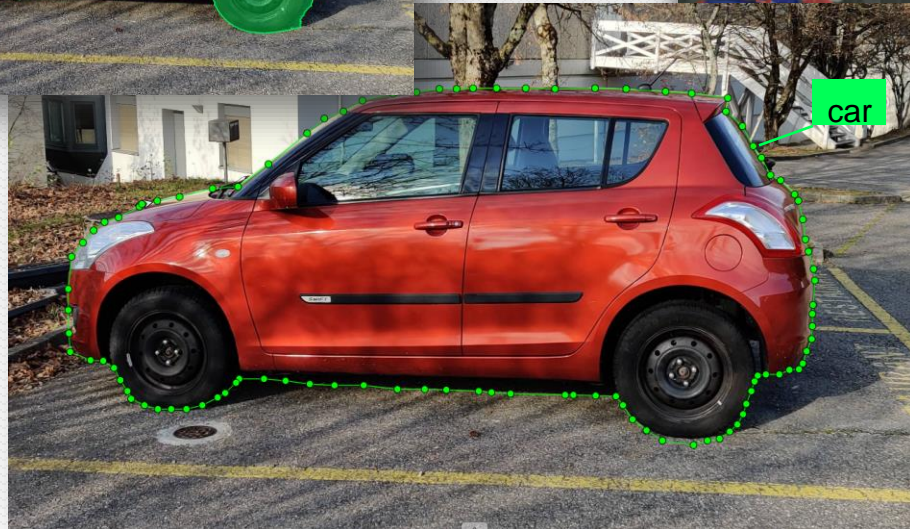
- DL Type: Classification

- 어떤 object 인지 정의된 category 안에서 구분



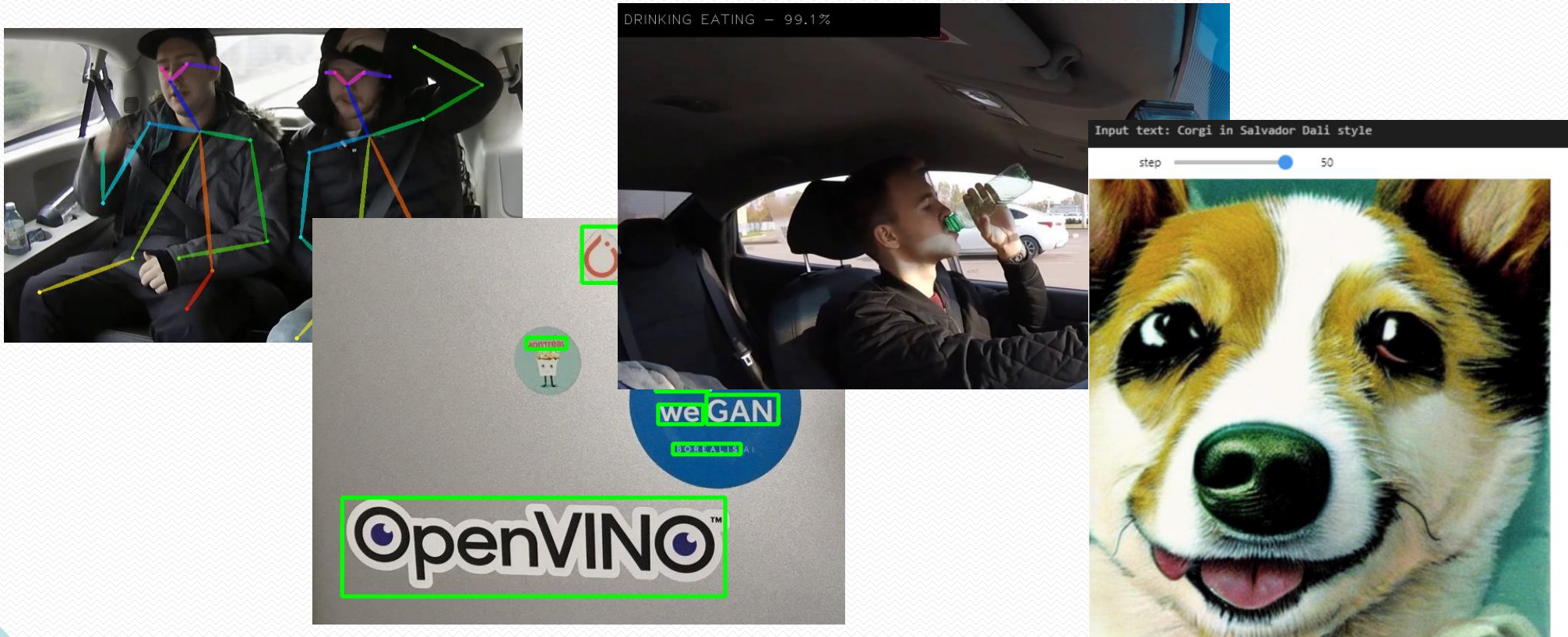
1. General AI Workflow

- DL Type: Segmentation
 - 정의된 Object 를 영역으로 detection



1. General AI Workflow

- Other DL Types: Pose estimation, Text detection/recognition, Action recognition, Stable diffusion, many others...



Contents

1. General AI workflow

2. What is OpenVINO?

3. How OpenVINO works?

4. Benefits of OpenVINO

2. What is OpenVINO?

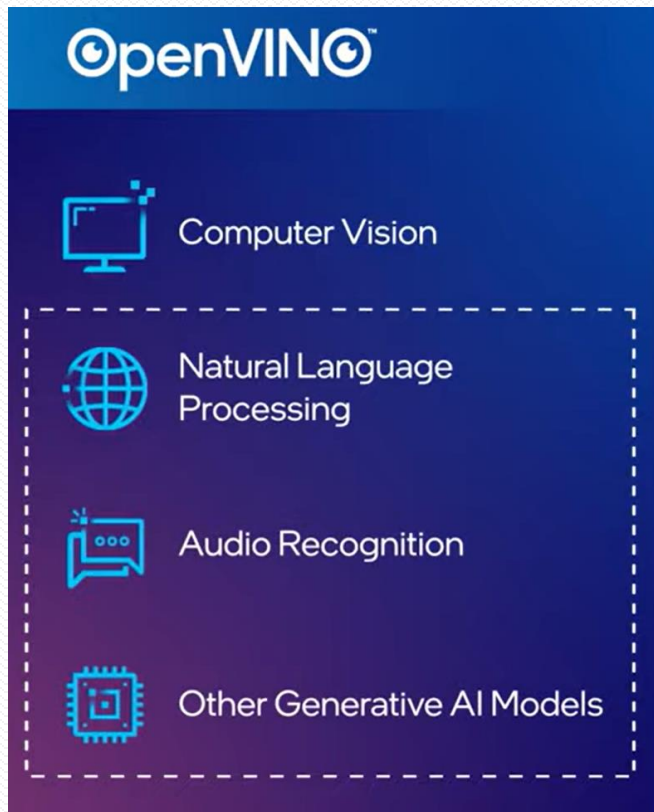


01. What is OpenVINO?



2. What is OpenVINO?

- OpenVINO: **Open** Visual **I**nferencing and **N**eural network **O**ptimization



- AI model 을 사용한 추론 시 Intel HW 의 성능을 최대로 활용 할 수 있게 해주는 SW Toolkit.
- Computer Vision 을 targeting 하였으나 발전하는 AI 추세에 맞게 NLP, Audio, Other generative AI models 지원.

Contents

1. General AI workflow
2. What is OpenVINO?
- 3. How OpenVINO works?**
4. Benefits of OpenVINO

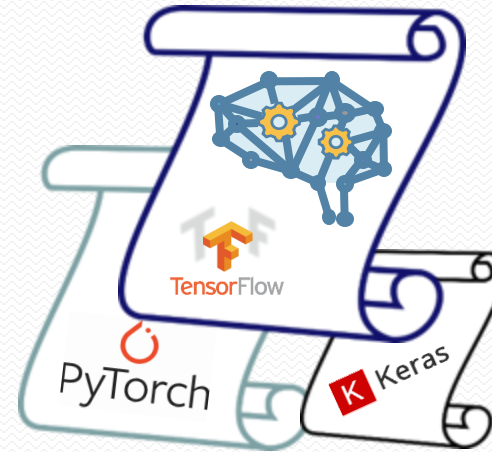
3. How OpenVINO works?

일반적인
Inference 과정



Training

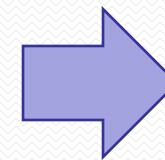
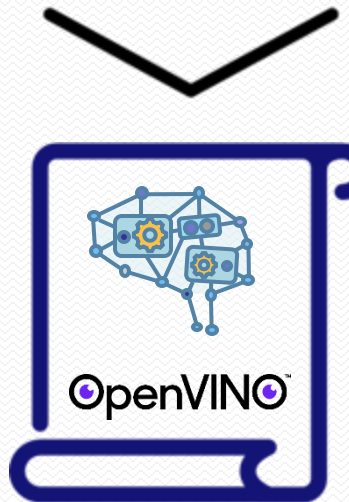
Trained
Model



Inference



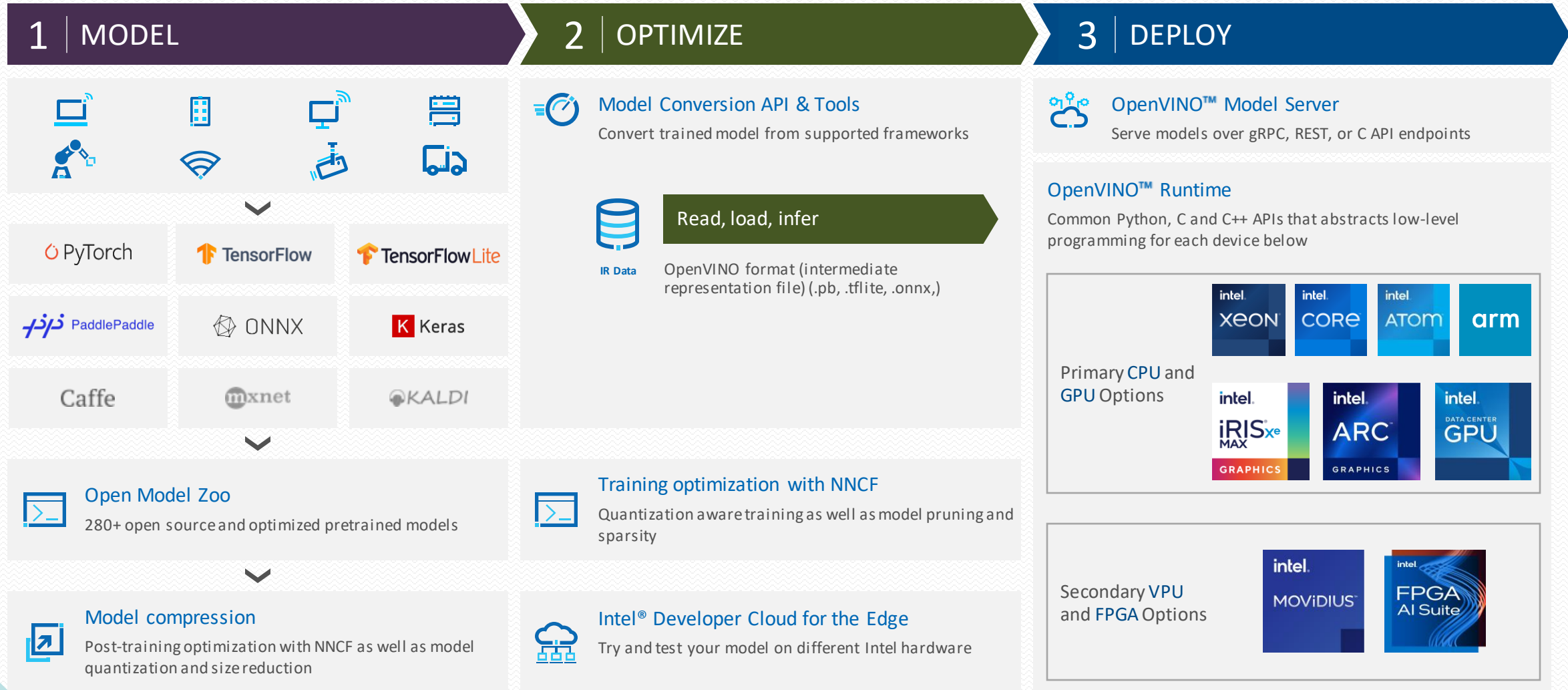
OpenVINO 를
사용한 Inference



OpenVINO™

Inference

3. How OpenVINO works?



Contents

1. General AI workflow
2. What is OpenVINO?
3. How OpenVINO works?
- 4. Benefits of OpenVINO**

4. Benefits of OpenVINO

Fast, accurate real-world results with high-performance, deep learning inference

1 MODEL

2 OPTIMIZE

3 DEPLOY

