

Industrial IoT

Team *DEW*

조장: 장원아

조원: 박예림, 이제민



한국공학대학교
TECH UNIVERSITY OF KOREA

Index

- 1. Problem, Solution Definition**
- 2. Reason of the Intelligence Placement**
- 3. Architecture & Technologies**

01 Problem, Solution Definition

Final Term Project

Team *DEW*



Cam을 통한
물체 인식



기계학습된 인공지능을
통해 라벨 유무, 재활용
불가능 PET Class 판단

라벨O(Class3)



분류된 Class 정보를
아두이노에 전송



해당되는 Class의
서보모터 동작을 통한
물체 분류 진행

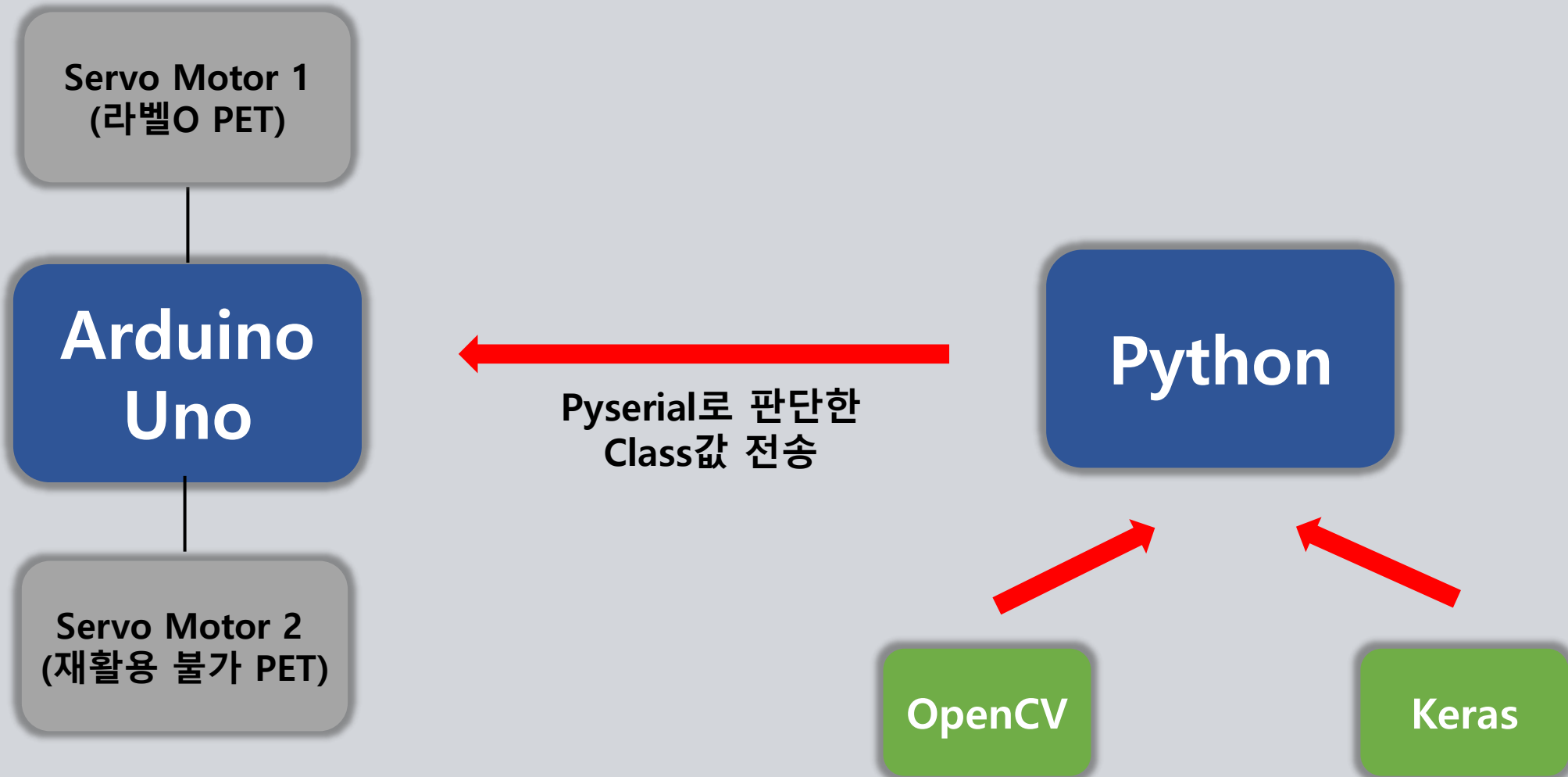


Digital Signal

01 Problem, Solution Definition

Final Term Project

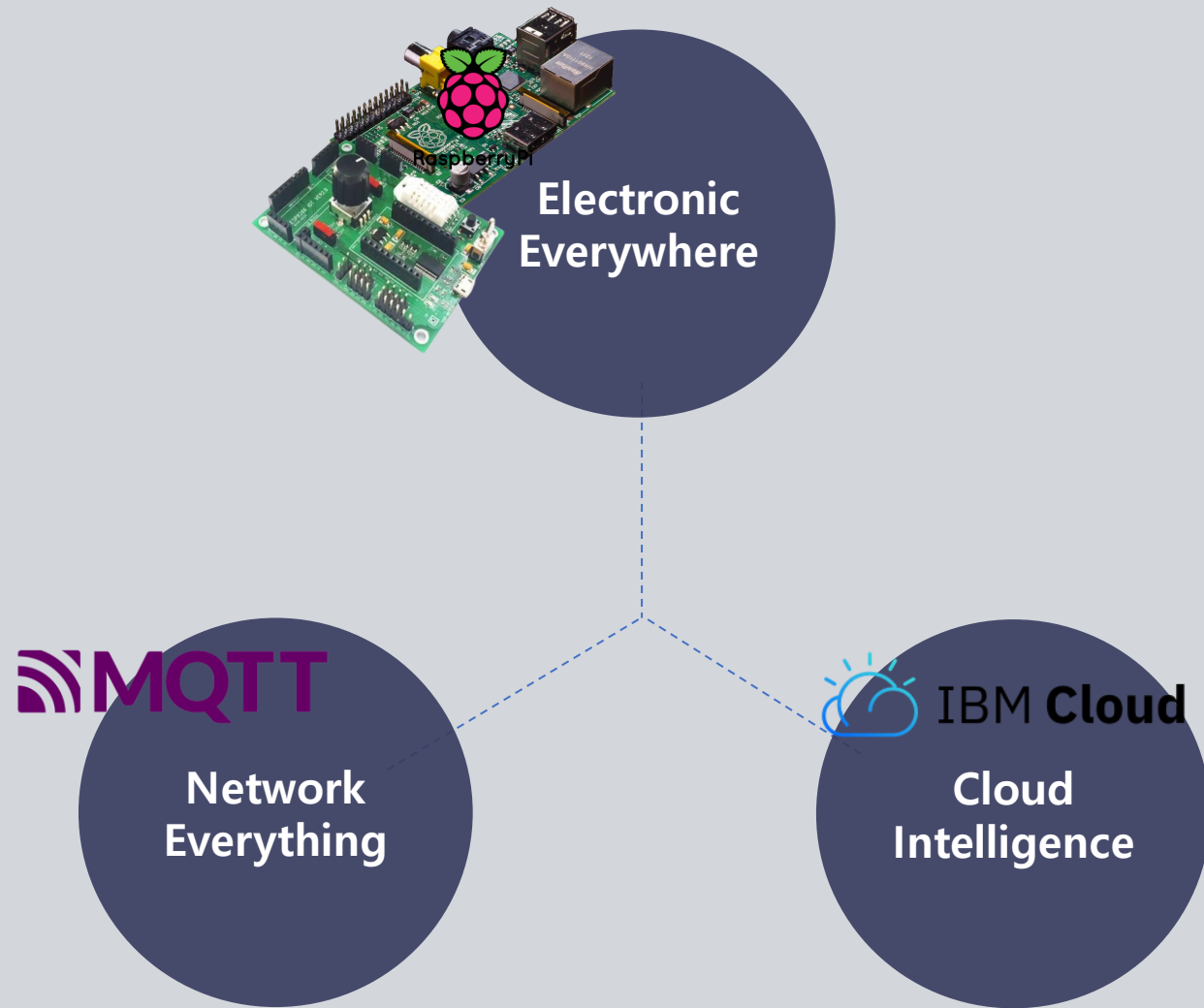
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01 Problem, Solution Definition

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$$\text{IoT} + \text{Logistics} = \text{IoT Conveyor}$$

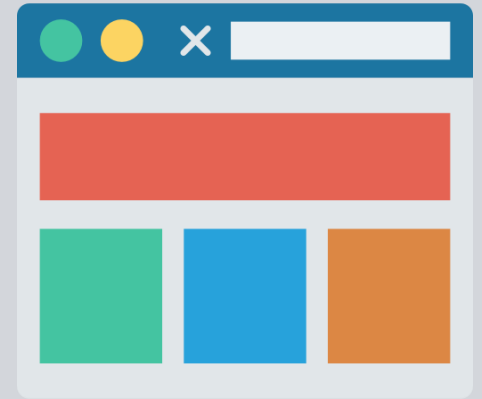
The equation shows the combination of IoT (represented by a blue logo with signal waves) and Logistics (represented by an illustration of a delivery truck, packages, and a 24h clock) to form the IoT Conveyor.

02 Reason of intelligence Placement

Final Term Project

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Counting PET; Cloud Computing



카메라로 PET 인식 후,
라벨 유무, 재활용
불가능 PET 판단

판단된 Class값을 받아서
분류된 PET 수량 count

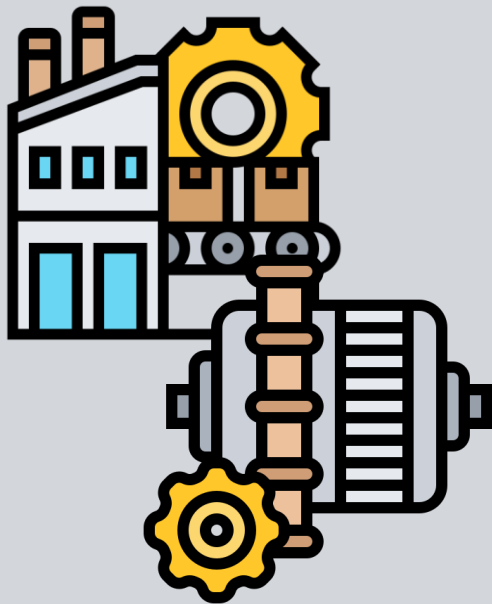
mybluemix.net/ui
에서 쉽게 수량 확인 가능

02 Reason of Intelligence Placement

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IIOT (Servo Motor Control); Edge Computing



Data



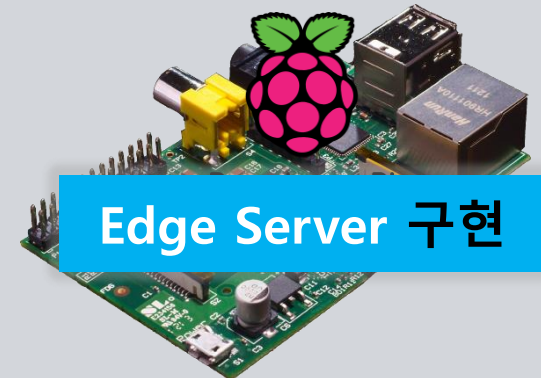
Latency 발생



Data



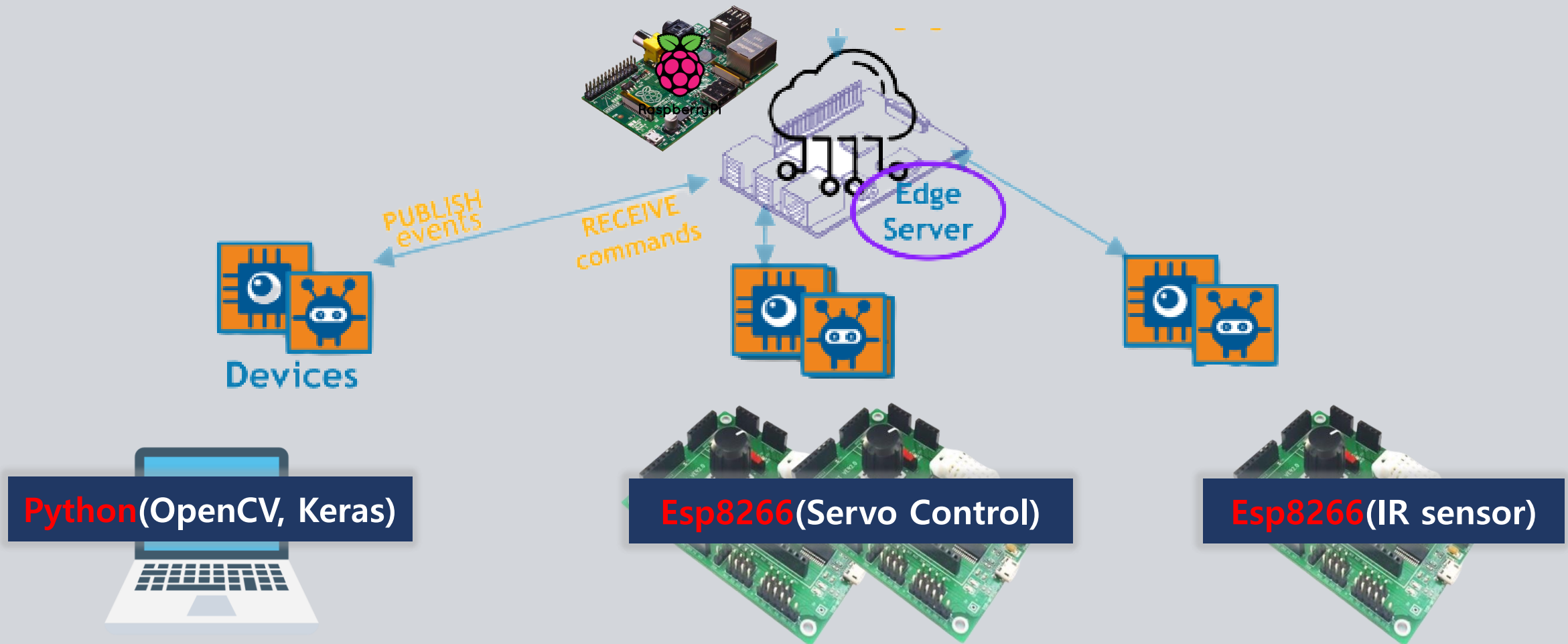
Edge Server 구현



03 Architecture & Technologies

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Q & A

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