

Today!

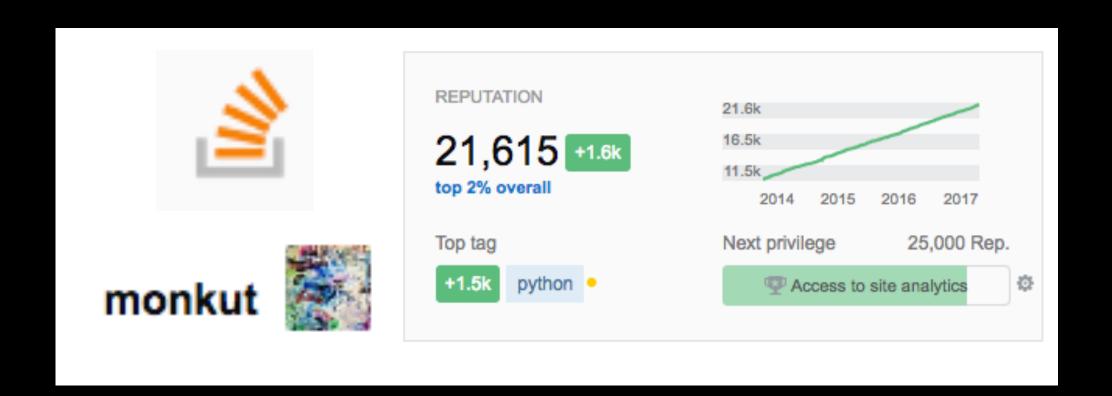
- What is ABEJA?
- What is ABEJA Platform?
- · ABEJA Platform & AWS
- ABEJA Platform Use-cases
- ABEJA Partnership Program



Shane Cousins

Engineer in ABEJA

- 16+ years Living in Japan
- 10+ years leading Development teams
- Experienced the transition from waterfall to agile
- Pythonista (since 2.3)
- Long time Stackoverflow user



Takuro Shogami

Sales & Business Development in ABEJA

- Many experience
 - Merchandise & Planing Event
 - Strategic Consulting Farm
 - Business Development of payment system
 - Planning in Casino industry
 - Corporate Management in Medical & Healthcare industry
- Al Business Development over 2 years in ABEJA



Corporate Name	ABEJA, Inc.
Established	Septermber 10, 2012
Location	Tanakayama Building 10F 4-1-20, Toranomon, Minato-ku, Tokyo
Capital (Including capital reserves)	¥ 1,400,268,000
Corporate Vision	Innovation that changes the world
Corporate Mission	Revolutionize industry through technology

- Archetype Ventures, Inc.
- Innovation Network Corporation of Japan
- Inspire Corporation
- Inspire PNB Partners Corporation
- ITOCHU Corporation
- Mitsubishi UFJ Capital Company Limited
- Mizuho Capital Company Limited
- NTT Docomo Ventures, Inc.
- NVIDIA Corporation
- Sakura Internet, Inc.
- salesforce.com, Inc.
- Toshiba Tec Corporation

































Professor Emeritus
The University of Tokyo
Tosiyasu KUNII



Professor Hakodate Future University Hitoshi MATSUBARA



Professor Nagoya University Takami YASUDA



Professor Ochanomizu University

Takayuki ITOH



Professor Chubu University

Hironobu FUJIYOSHI



Professor Hokkaido University

Hidenori KAWAMURA



Associate Professor Chubu University

Takayoshi YAMASHITA

ABEJA Business Lines



IoTデバイスやネットワーク等と連携し、大量データの取得・蓄積・学習・実行・フィードバックが可能な、AI、特にディープラーニングを活用したプラットフォームを提供



ABEJA Platformを活用した小売店舗向けに最適化されたサービス。データに基づいて店舗の課題を見つけ出し、店舗が取るべき施策を導き出すソリューションを提供



oo SaaS oo SaaS

API on API

System

API

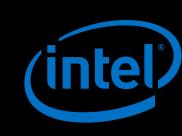
PaaS



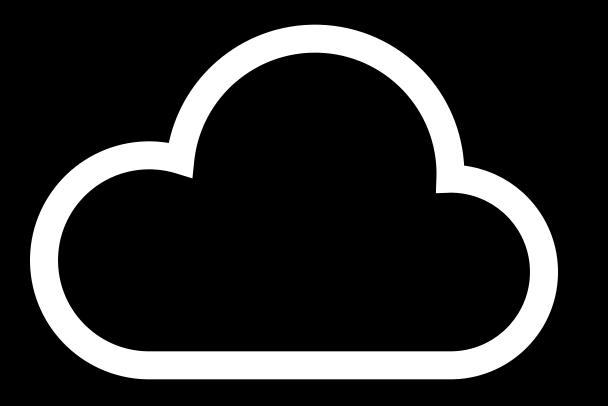
laaS



Processor







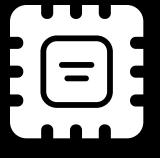
Cyber World

Physical World

Inbound loT







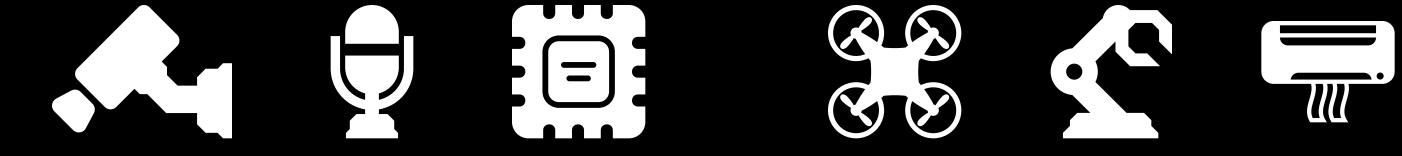


Cyber World

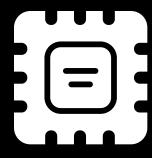
Physical World

nboundoT

Outbound o T

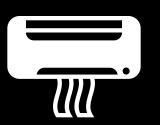


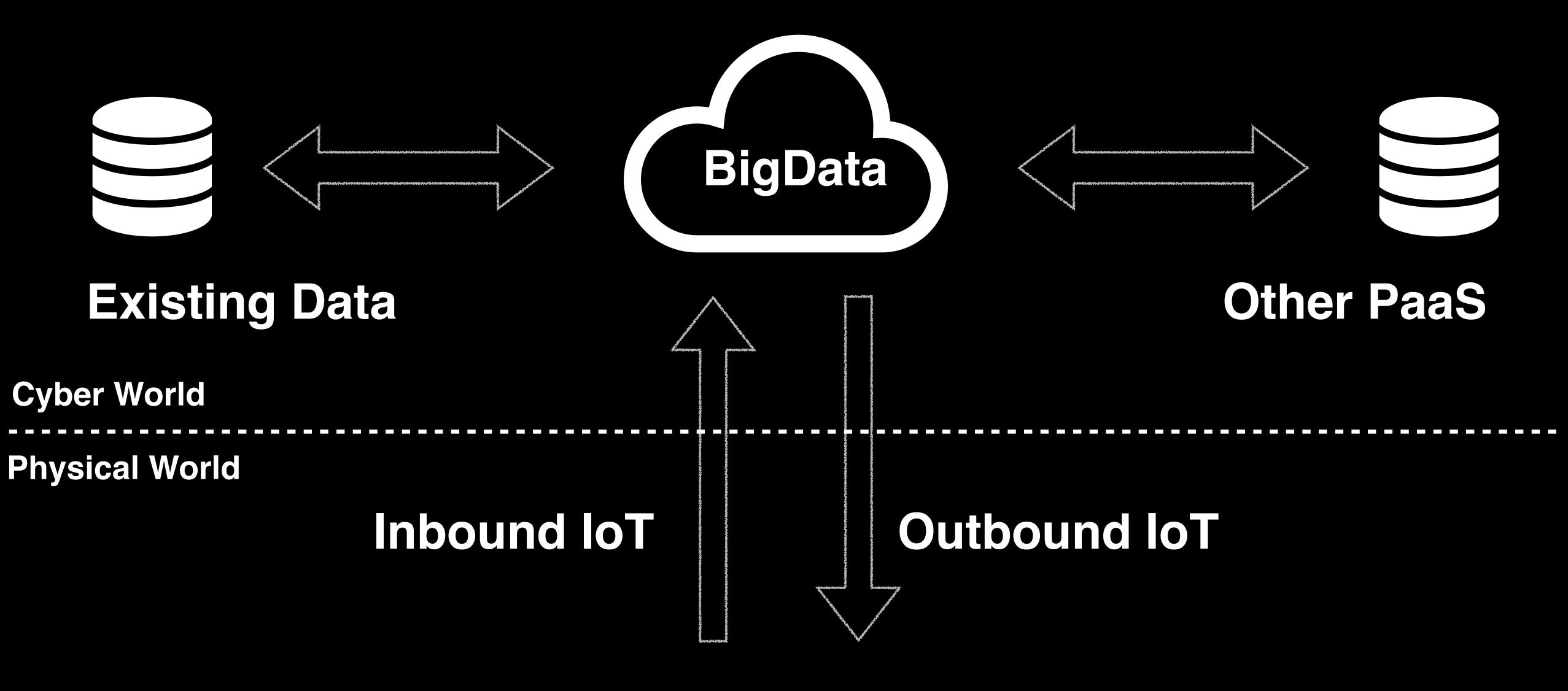


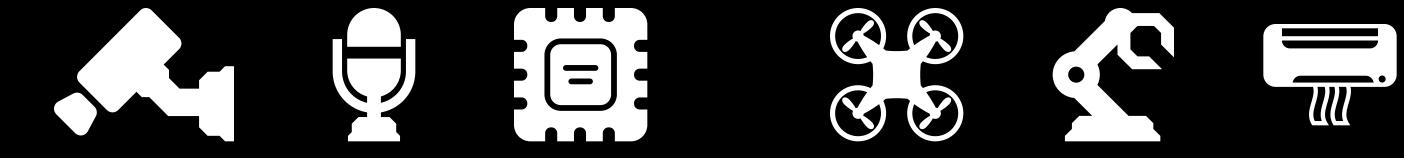




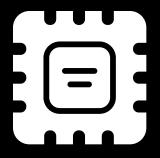






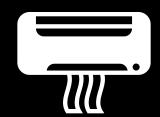


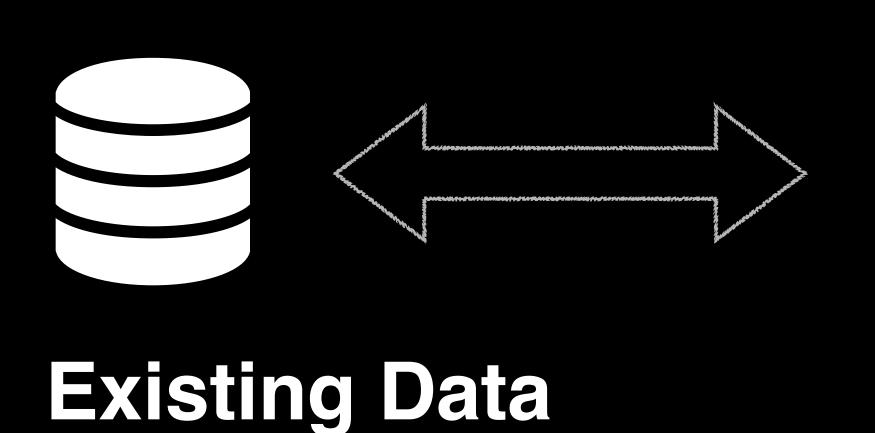




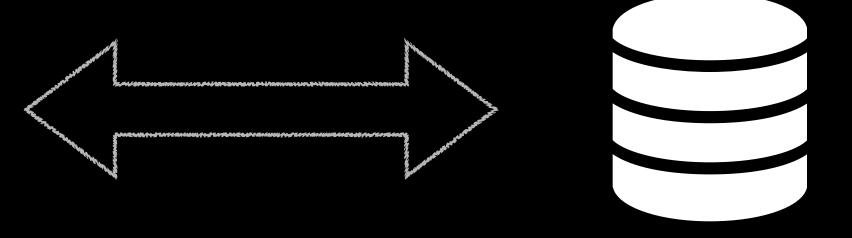












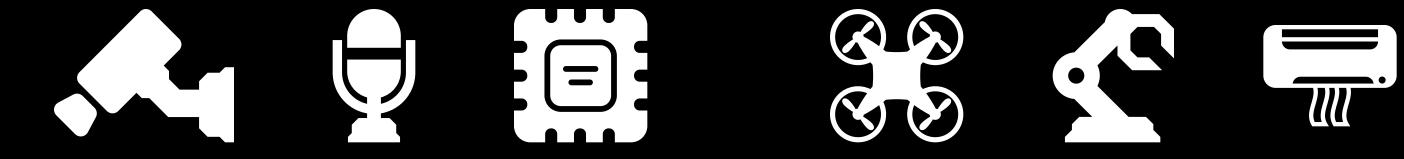
Other PaaS

Cyber World

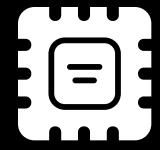
Physical World

Inbound IoT

Outbound IoT



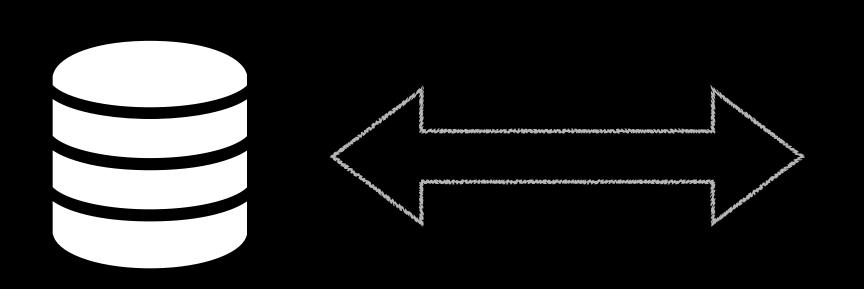






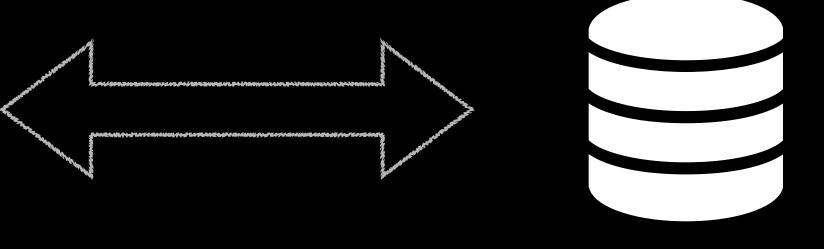






Existing Data

BigData

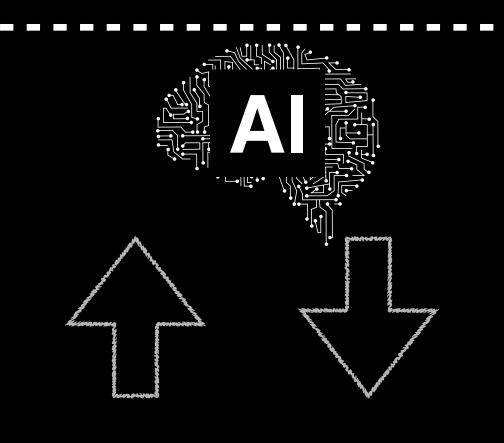


Other PaaS

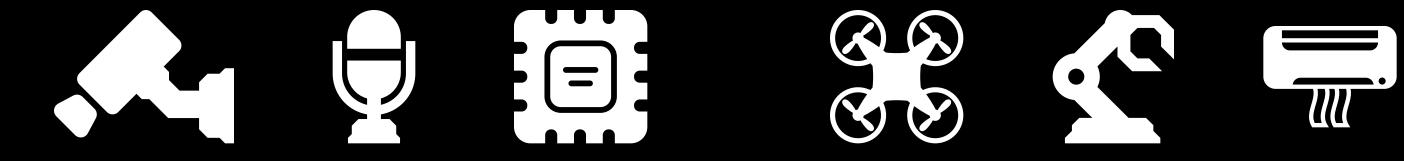
Cyber World

Physical World

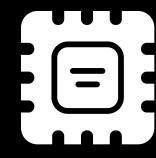
Inbound IoT



Outbound IoT

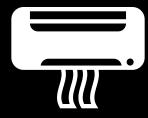


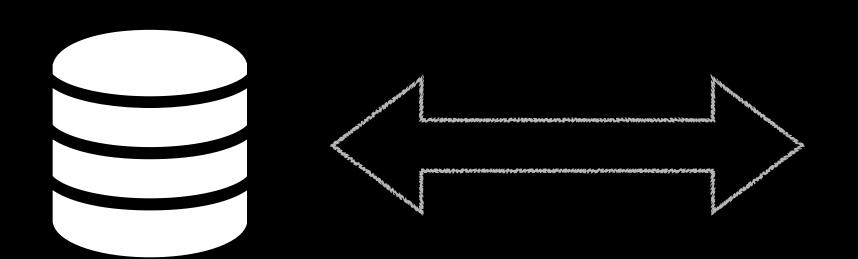












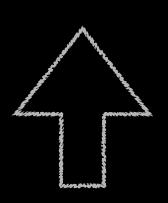
Existing Data

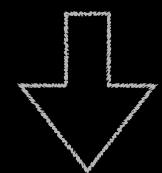
Cyber World

Physical World

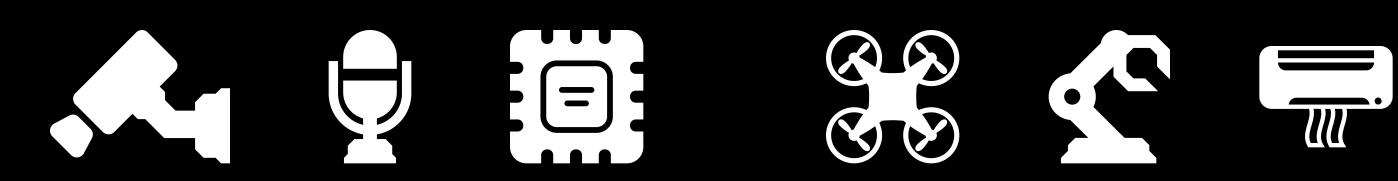
Inbound IoT



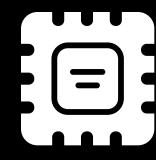














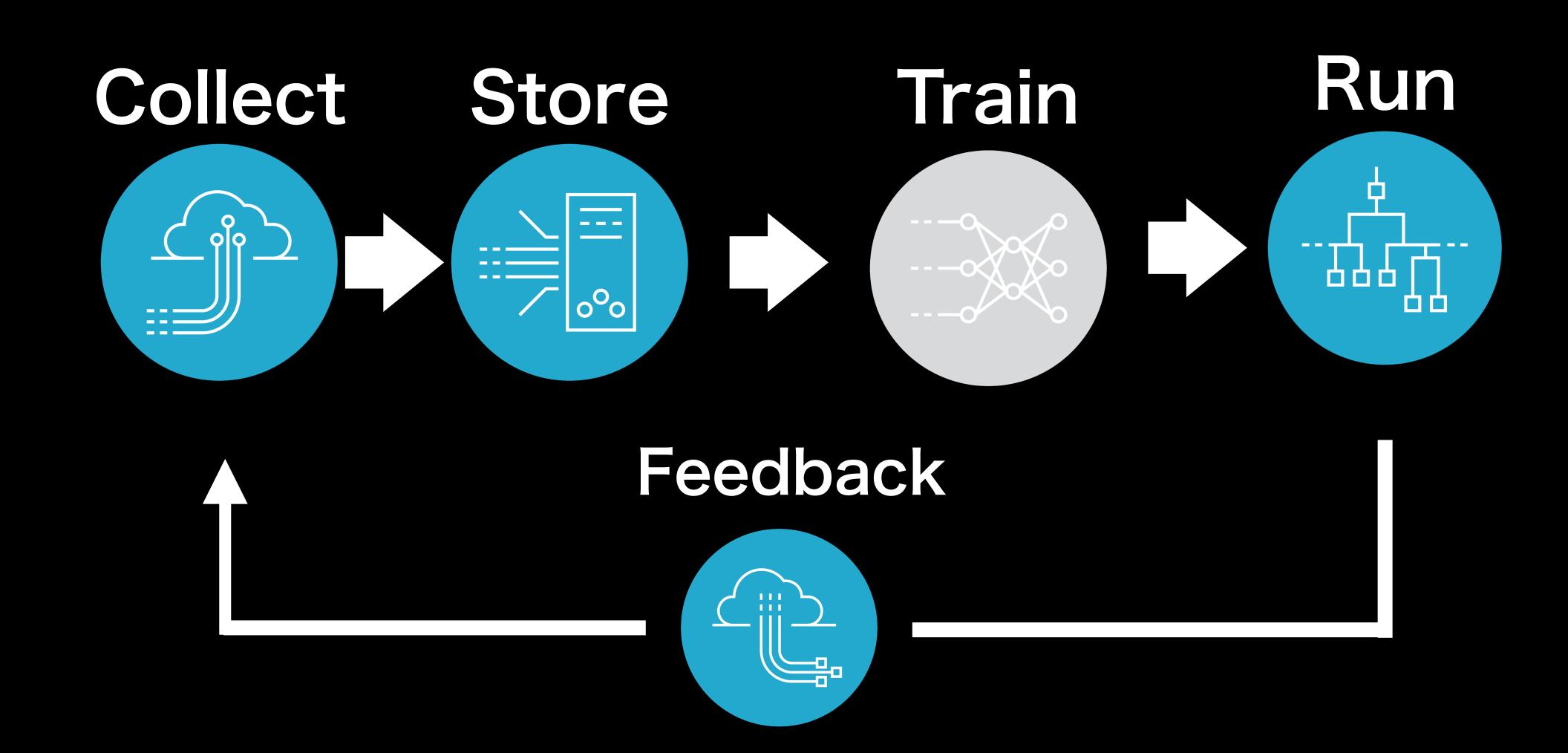


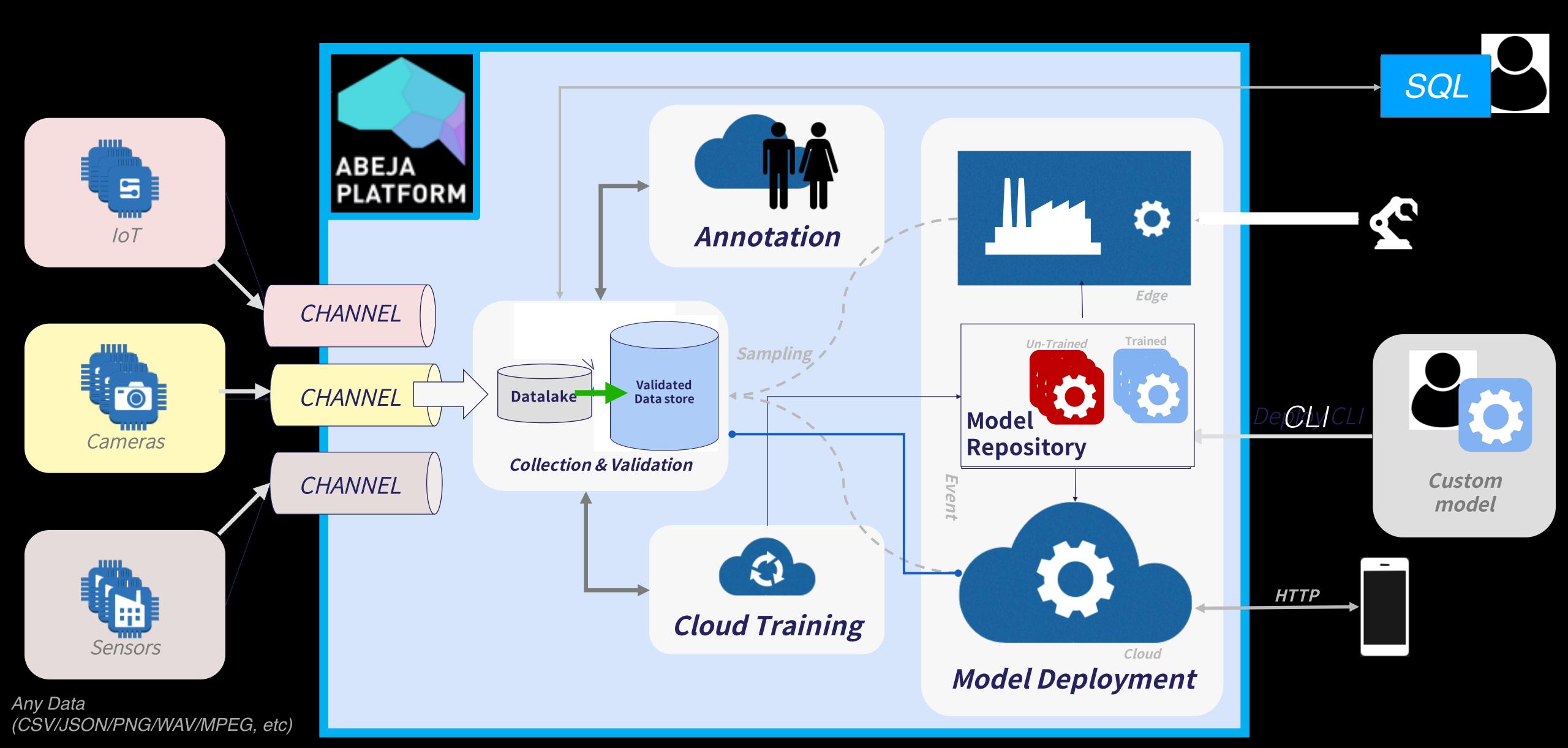


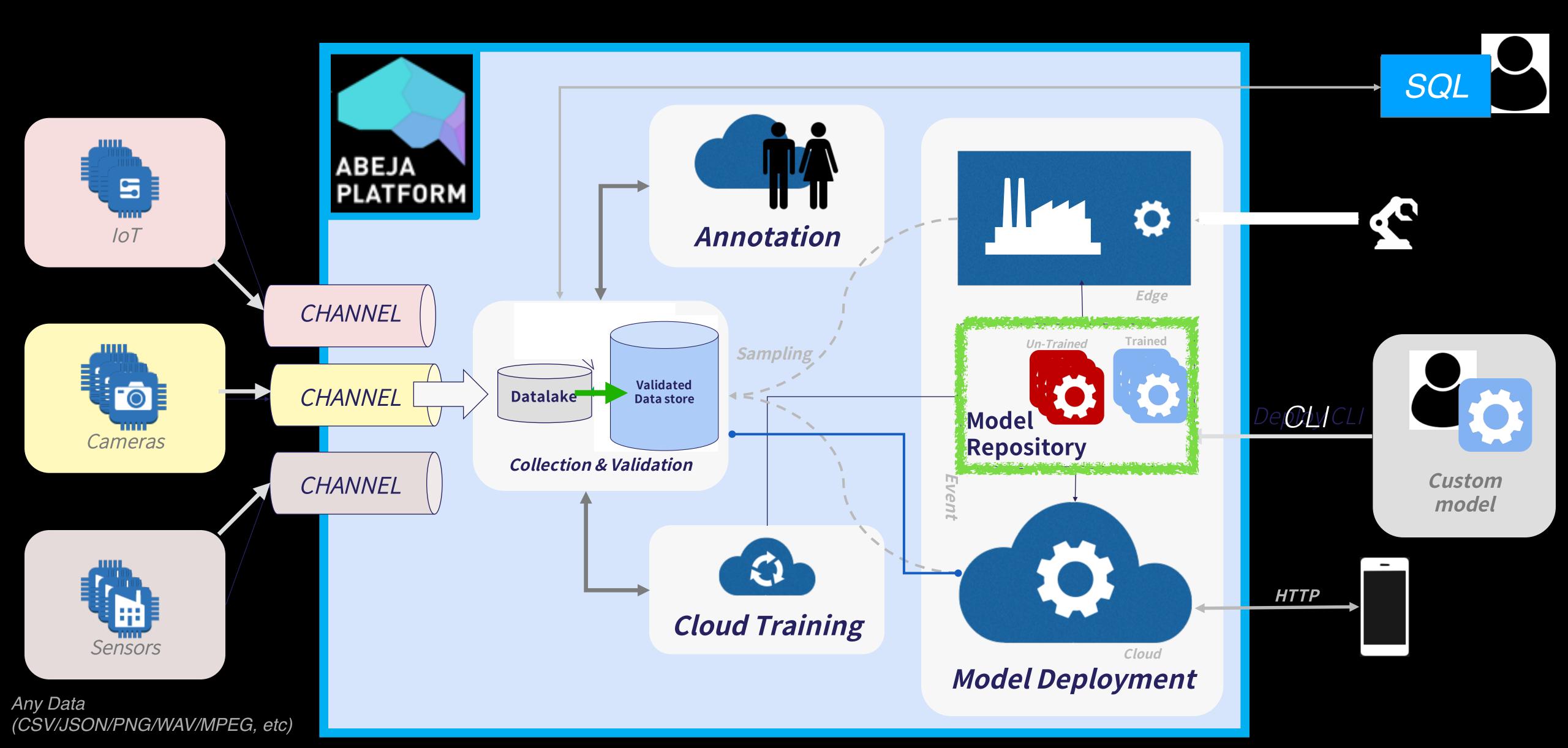


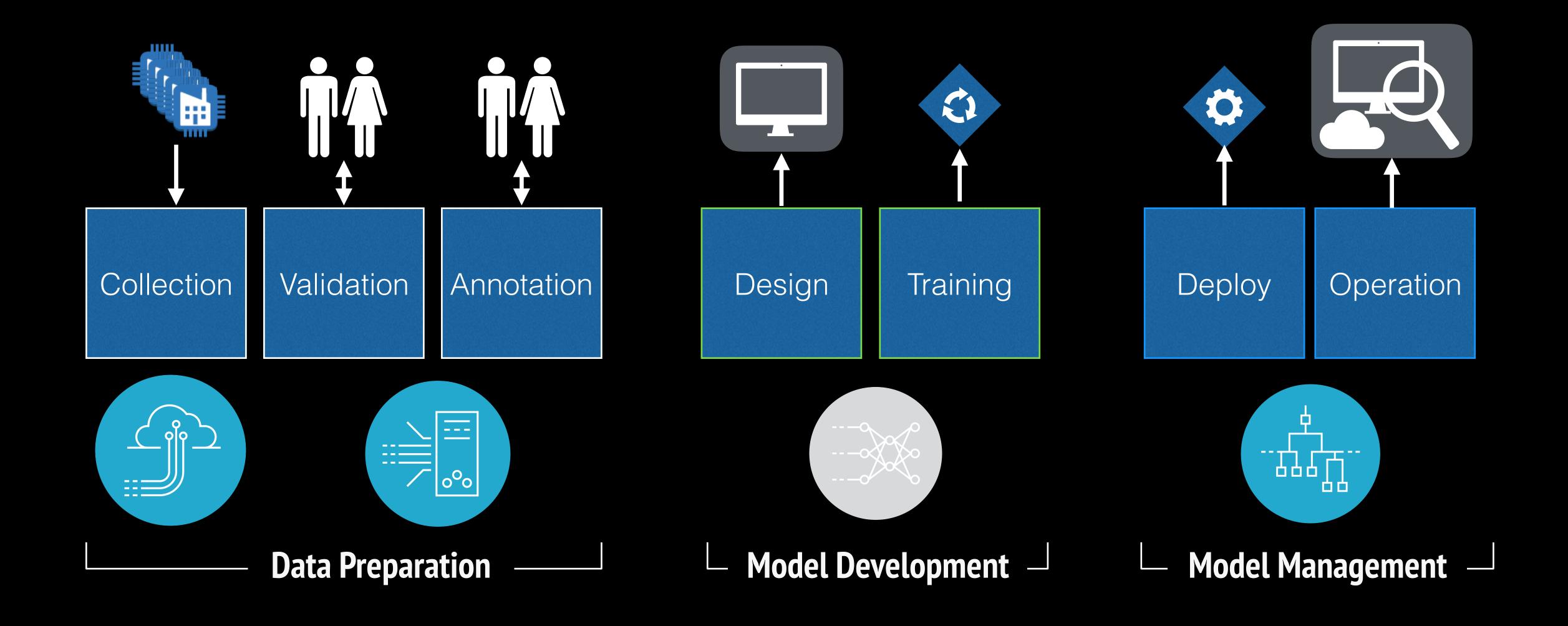
Other PaaS

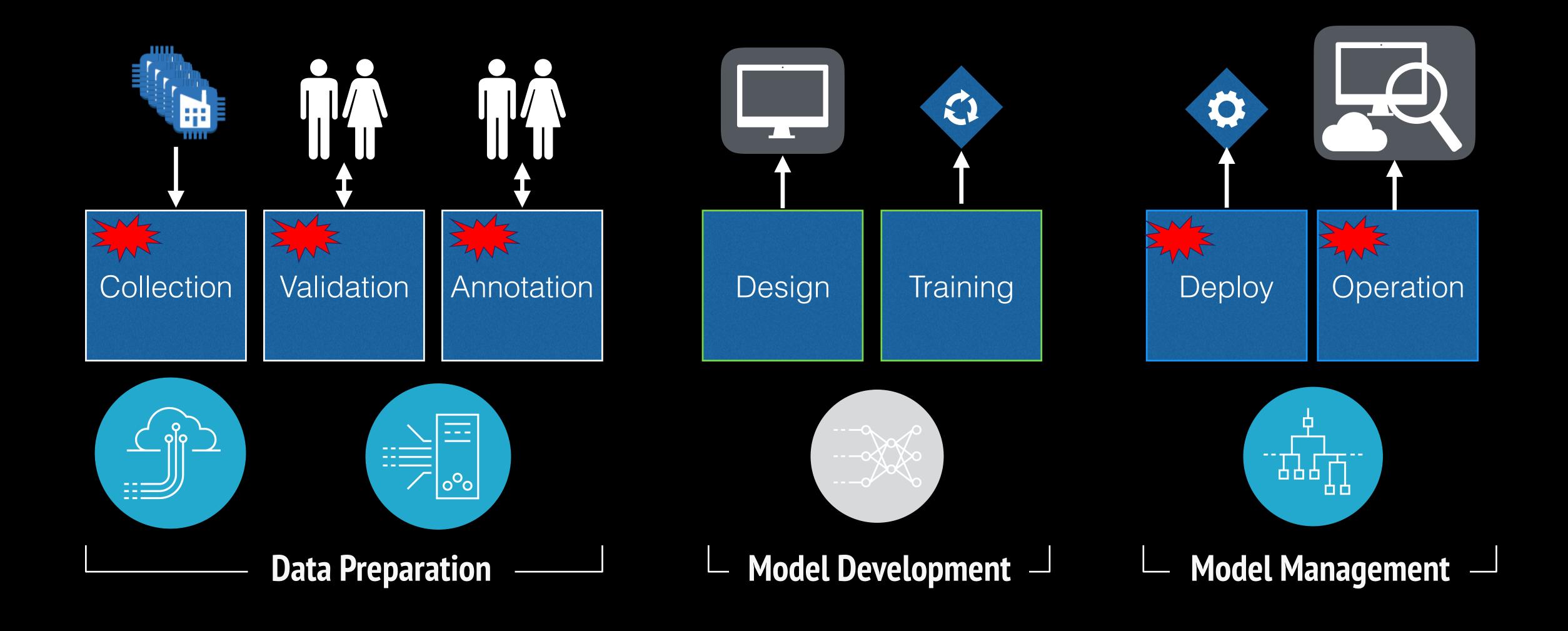


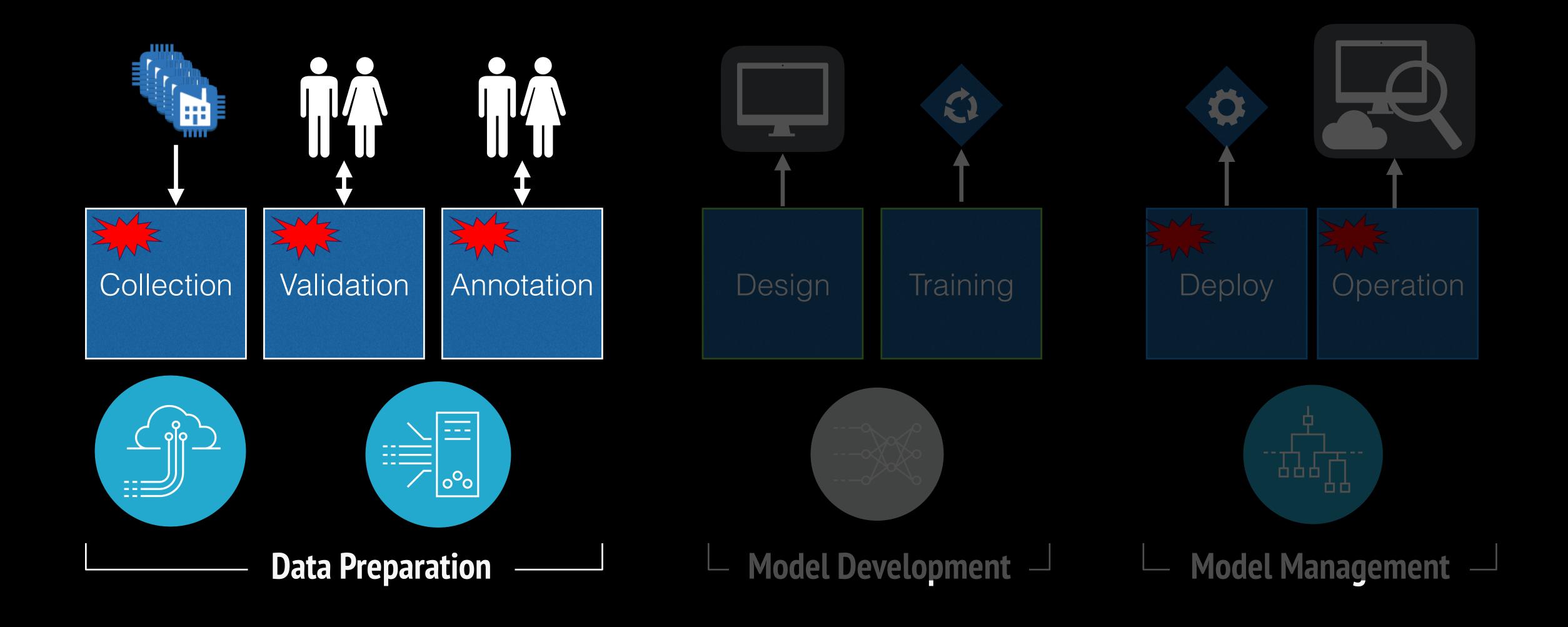


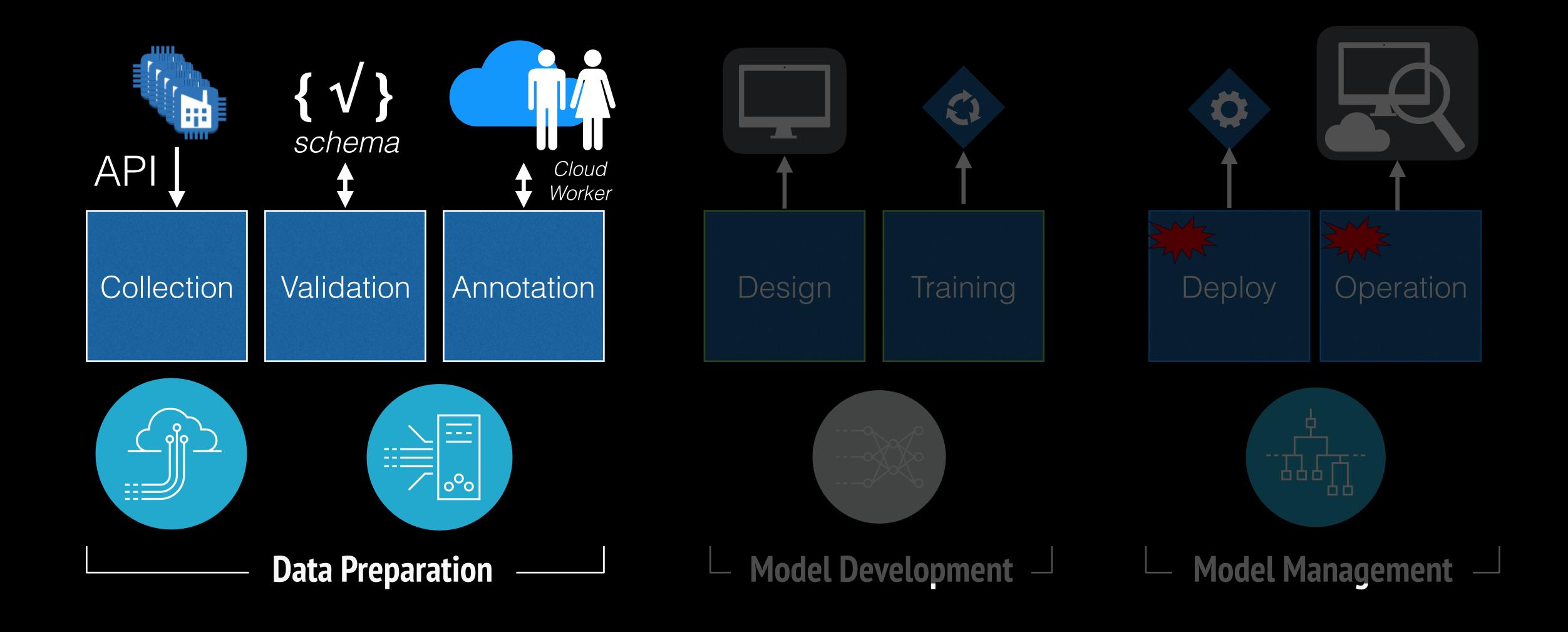


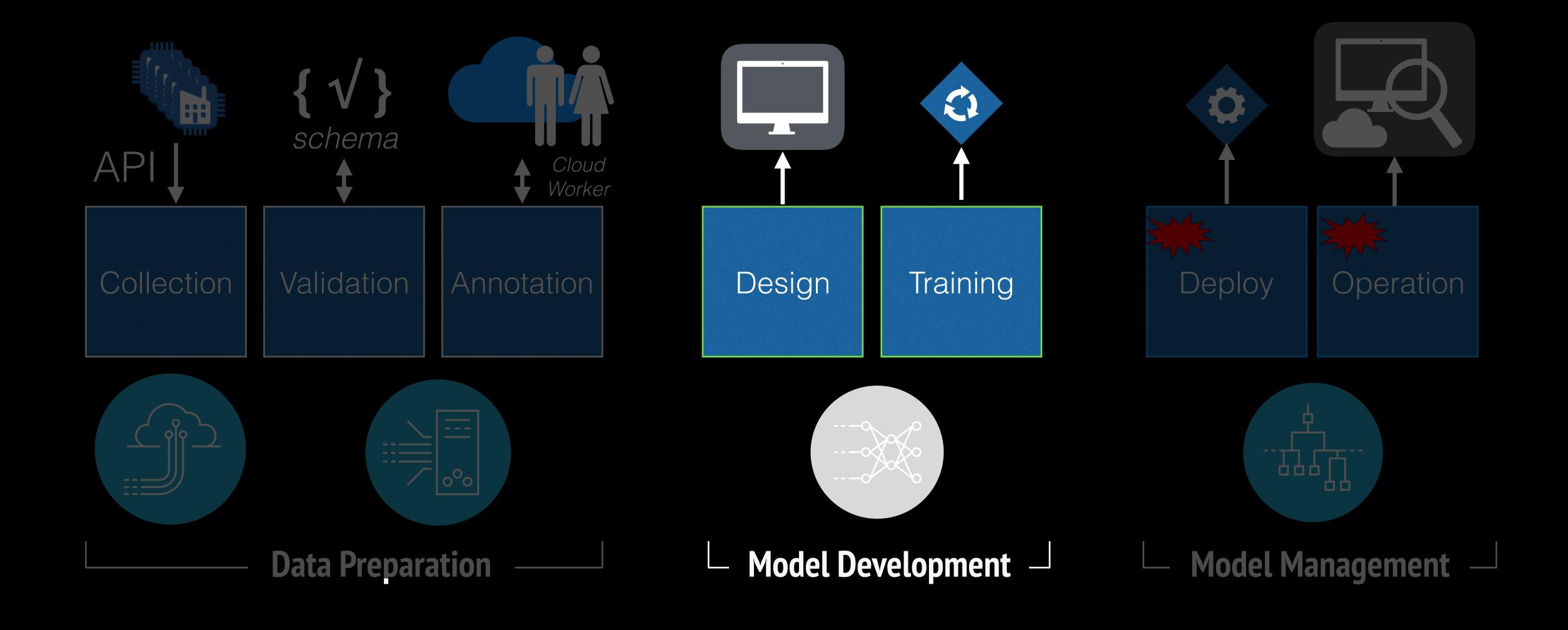


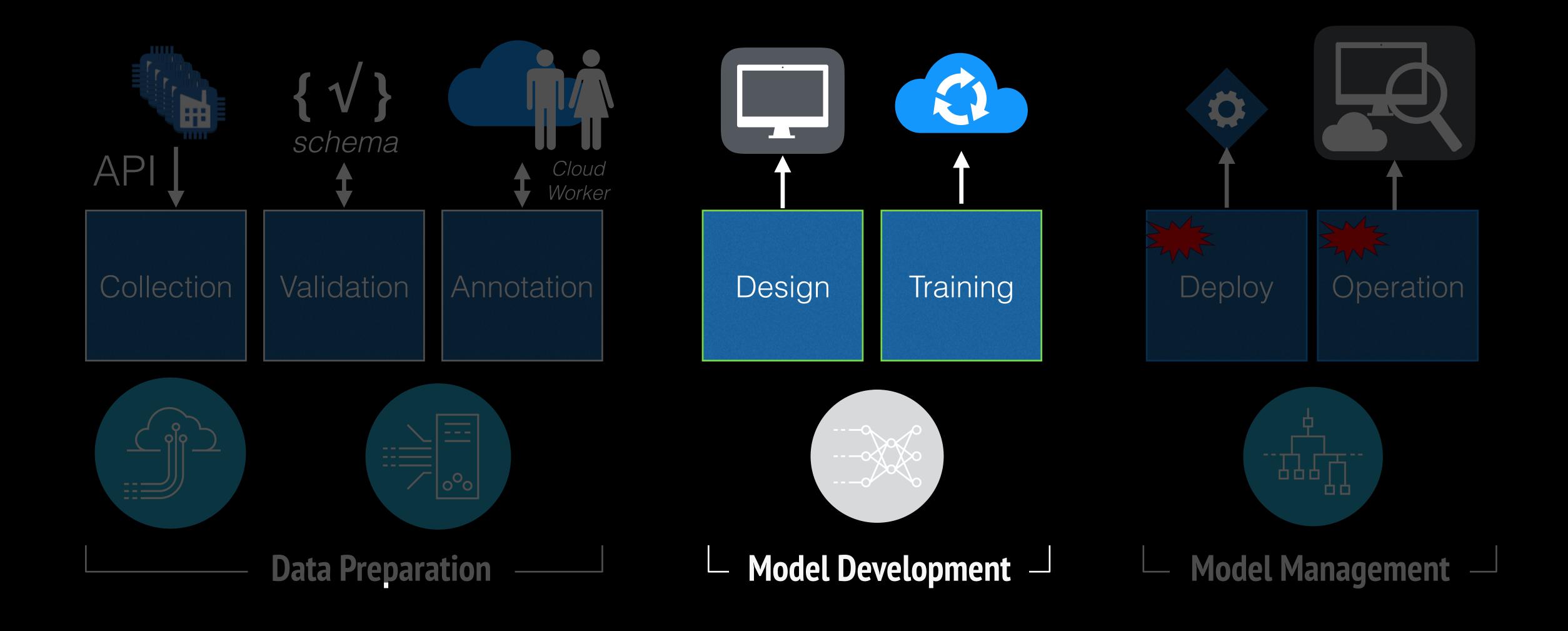


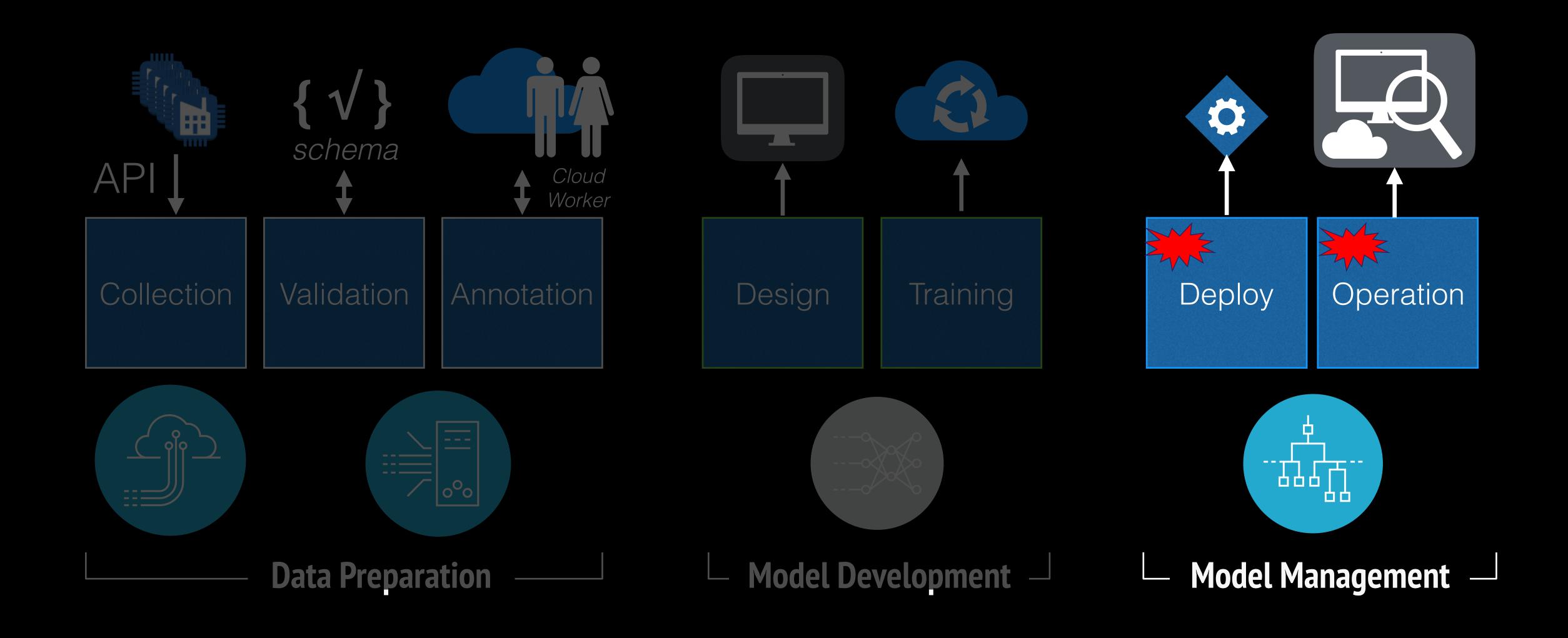


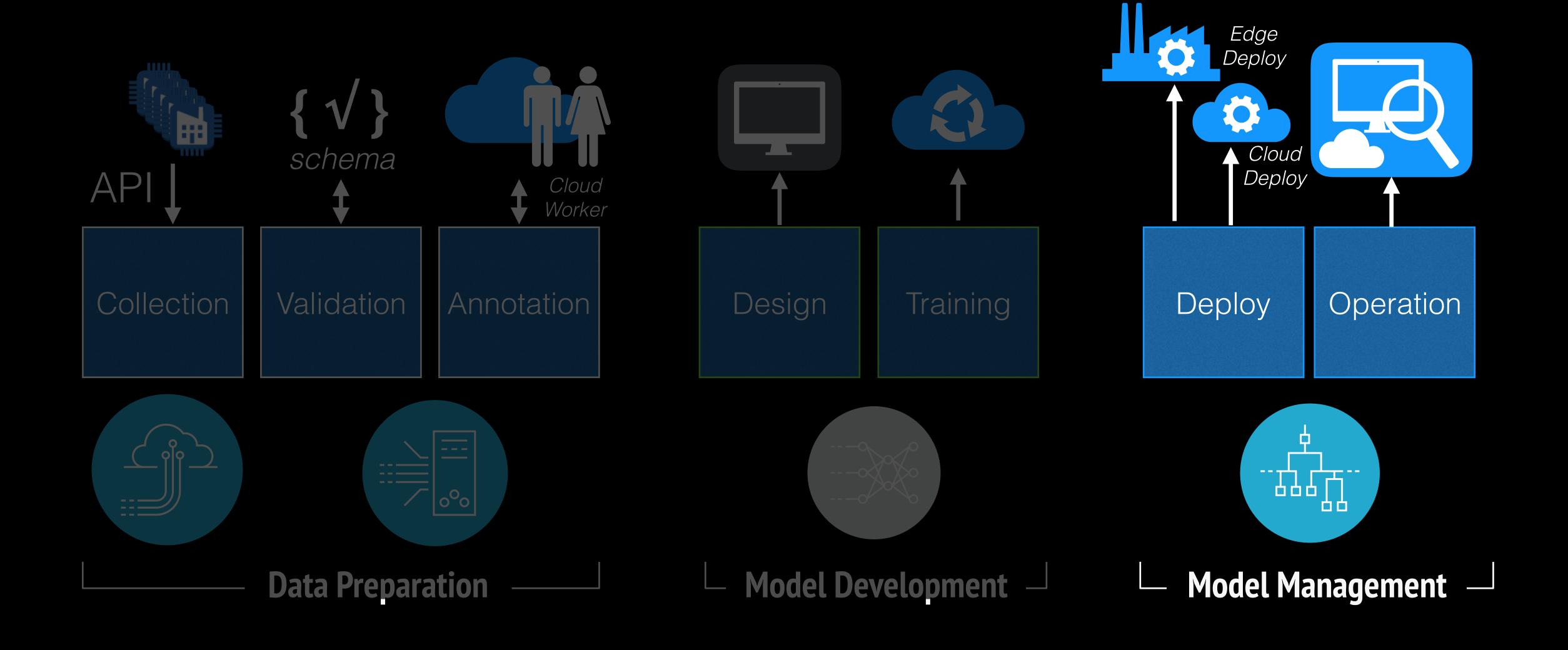


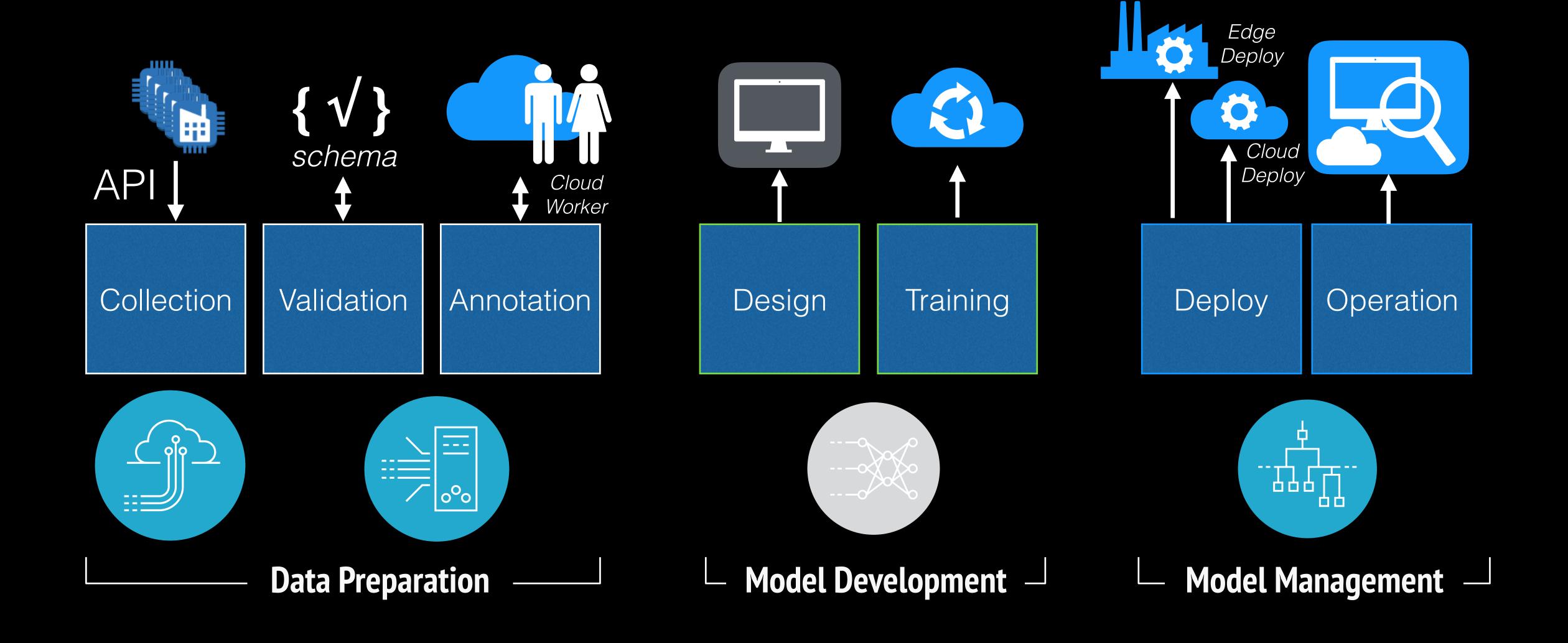




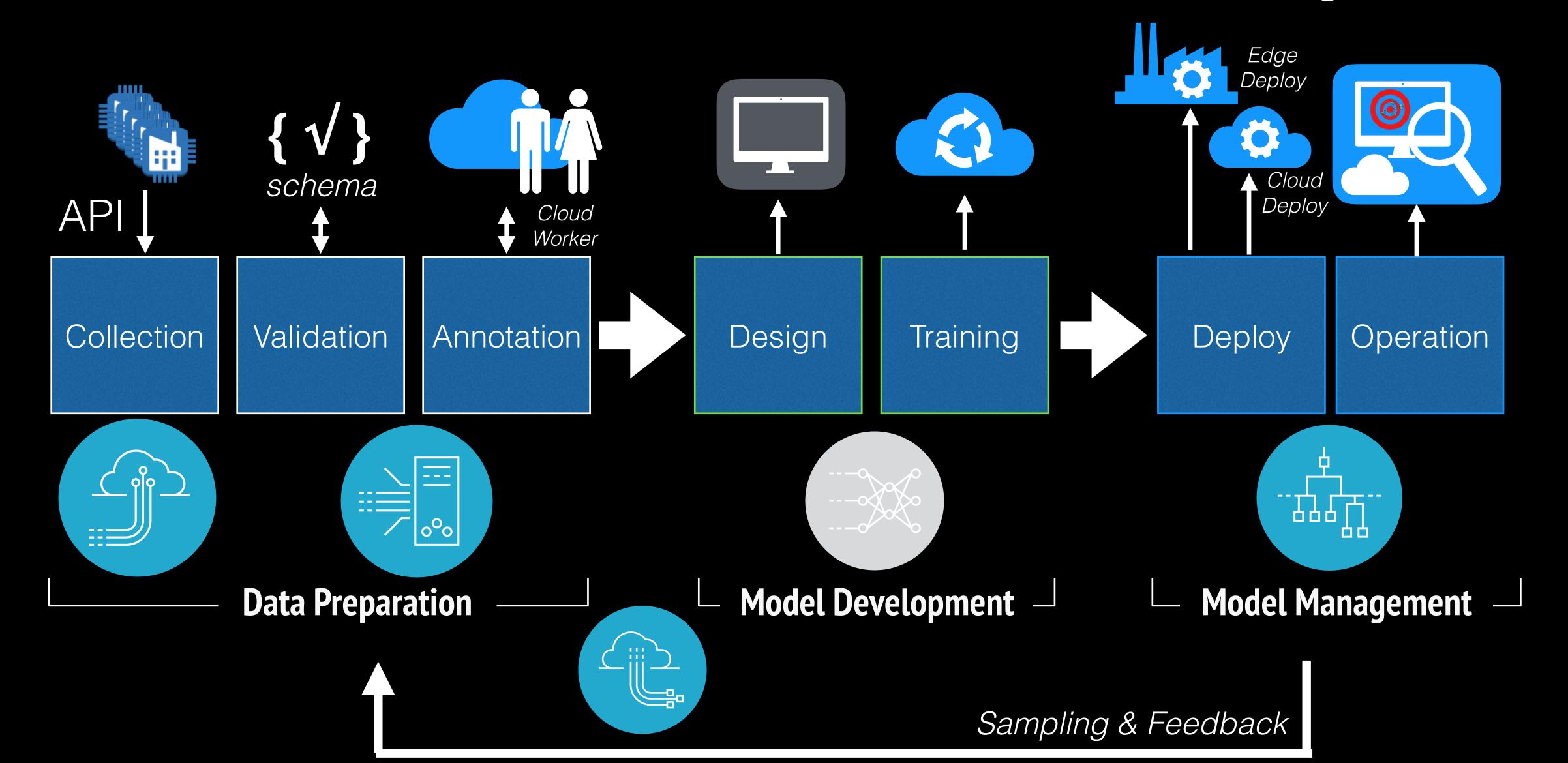


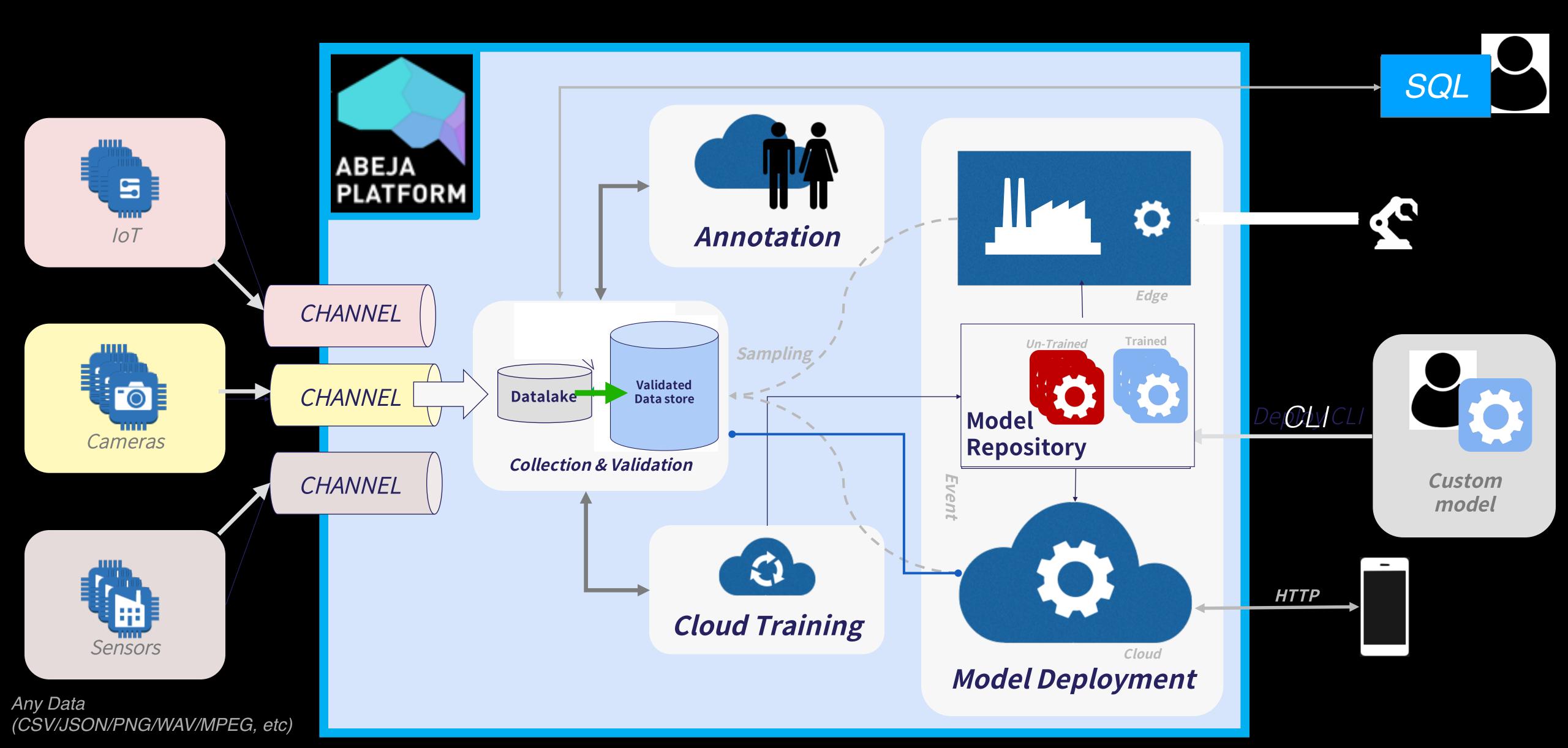




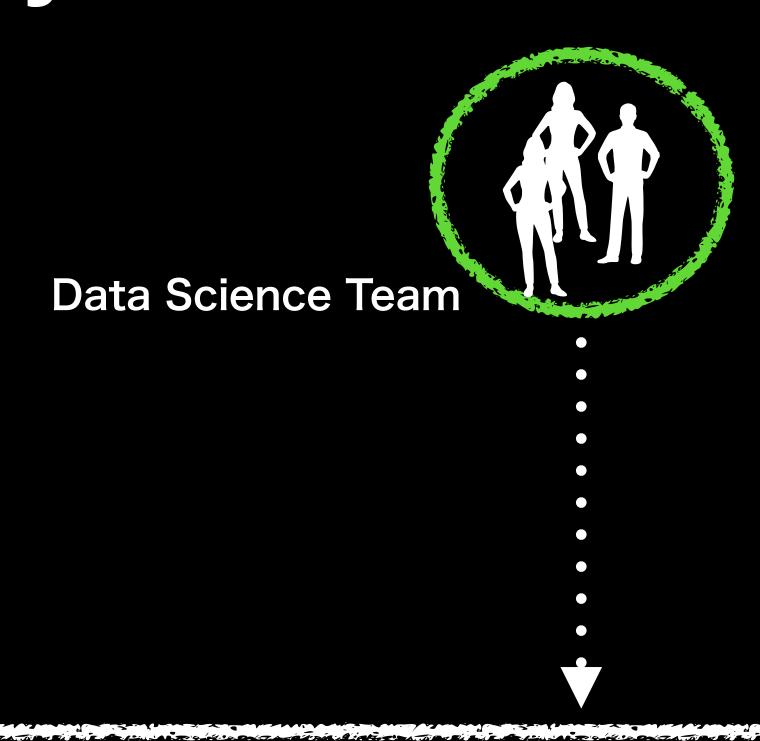


ABEJA Platform Model Lifecycle

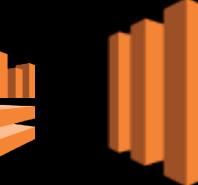




Why use ABEJA Platform?



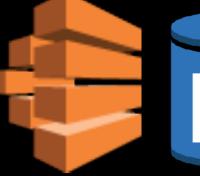










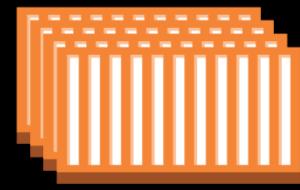














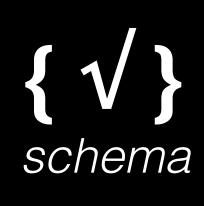




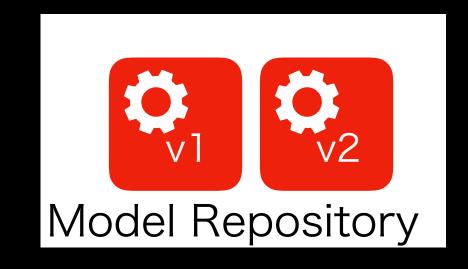
Why use ABEJA Platform?









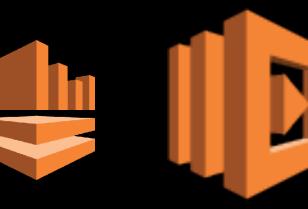








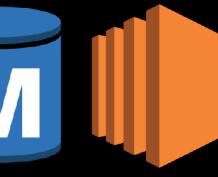






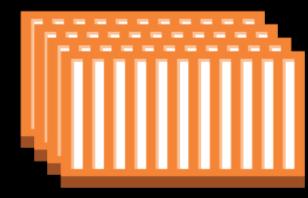












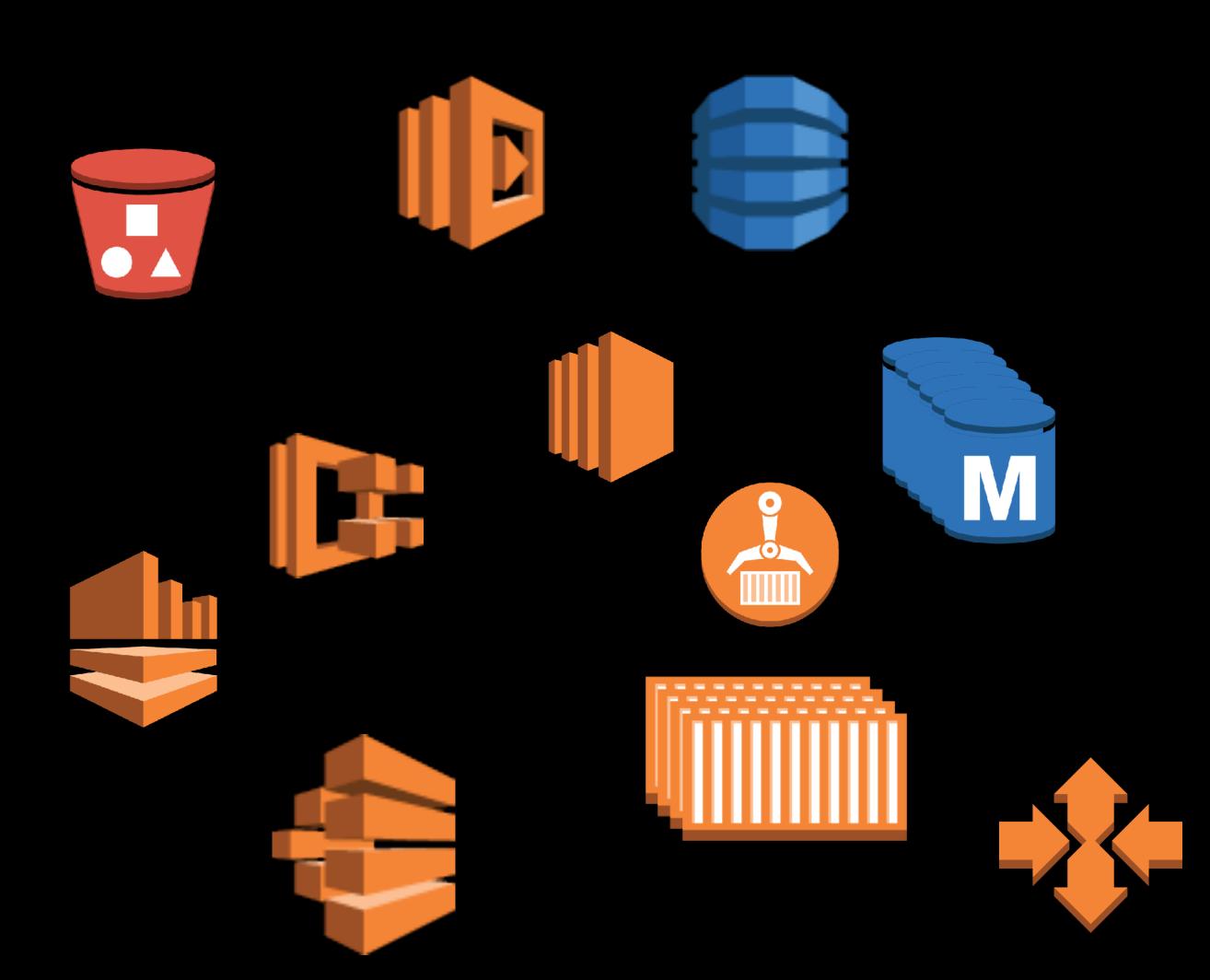






How does AWS enable us?

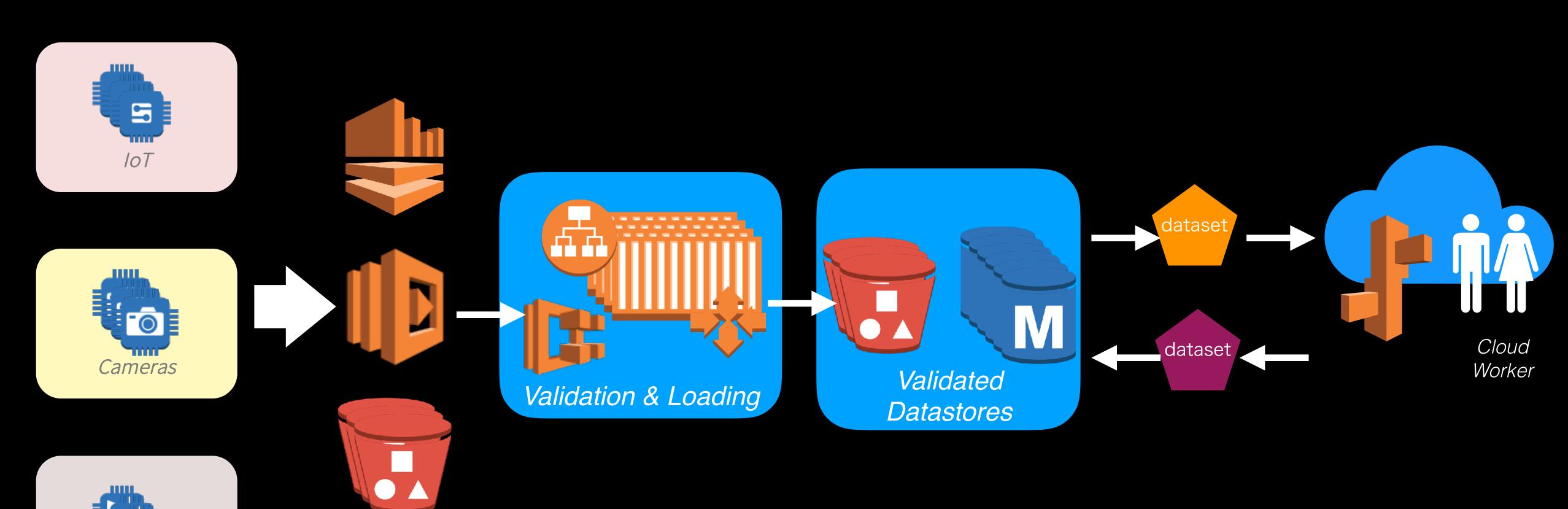
- Data Preparation
- Model Development
- Model Management



Data Preparation

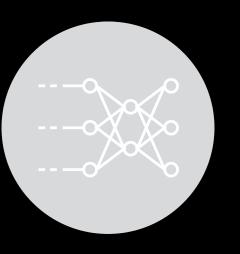


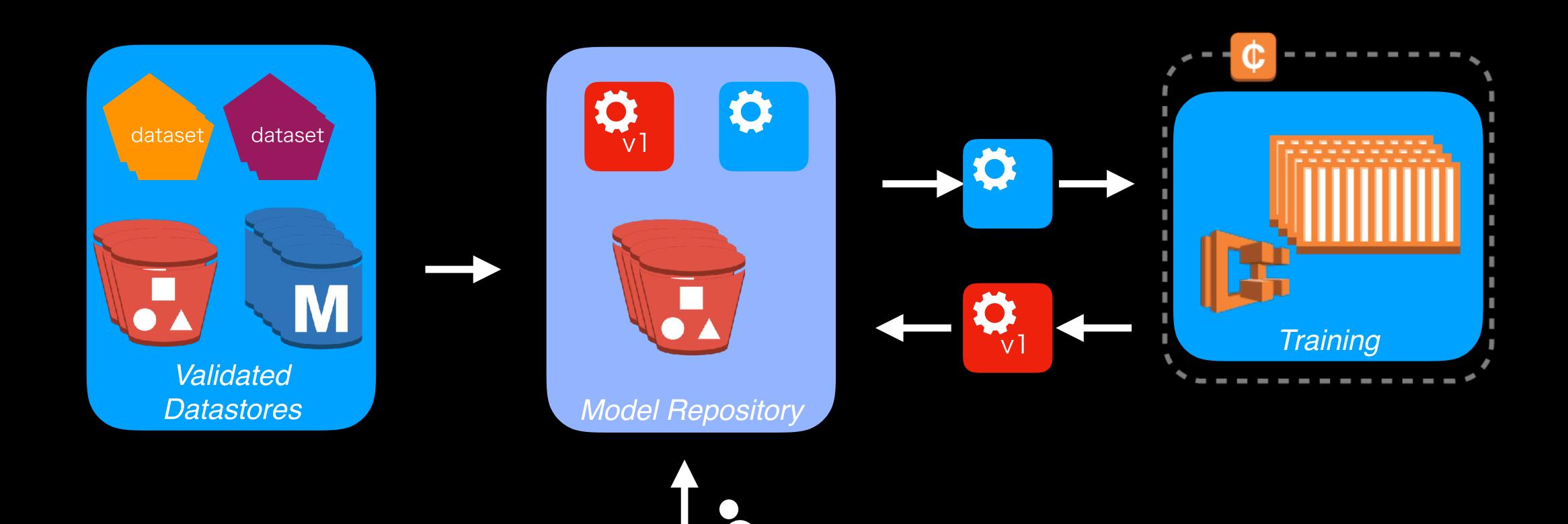




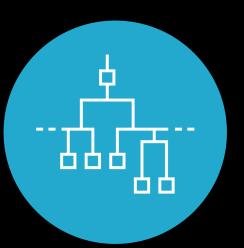
Sensors

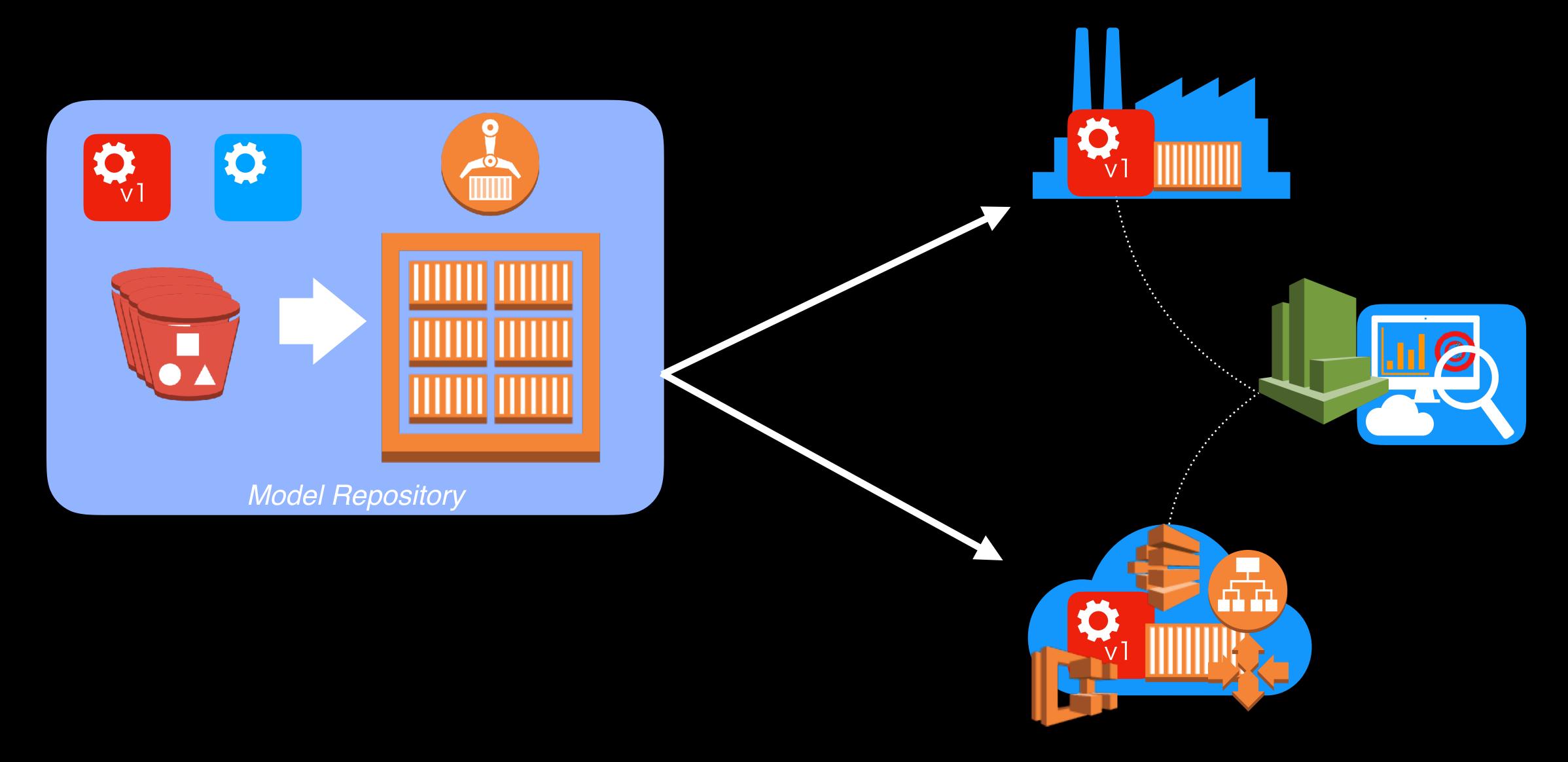
Model Development





Model Management





What's New?



AWS Batch

2017-6 Tokyo Region



Kinesis Firehose

2017-8 Tokyo Region



Step Functions

2016-12 Tokyo Region

What else?

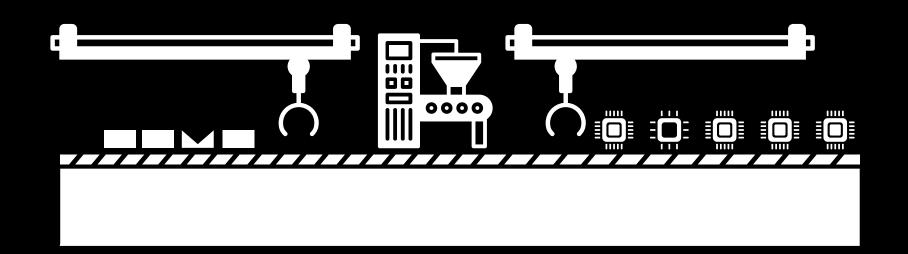


```
API Star ₩₩₩₩
A smart Web API framework, designed for Python 3.
build passing codecov 97% pypi package 0.3.5 python 3.5, 3.6
Community: https://discuss.apistar.org/ 😲 💭 🤓 💬 😎
  /app.py
 ./tests.py
 $ cat app.py
                                                 APIStar
 from apistar import App, Include, Route
 from apistar.docs import docs_routes
from apistar.statics import static_routes
def welcome(name=None):
    if name is None:
        return {'message': 'Welcome to API Star!'}
    return {'message': 'Welcome to API Star, %s!' % name}
 routes = [
    Route('/', 'GET', welcome),
    Include('/docs', docs_routes),
    Include('/static', static_routes)
 app = App(routes=routes)
```

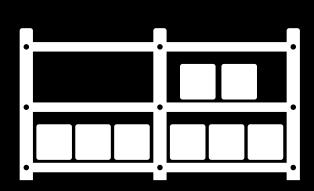
Use-Case

- Manufacture
- Logistics
- Retail



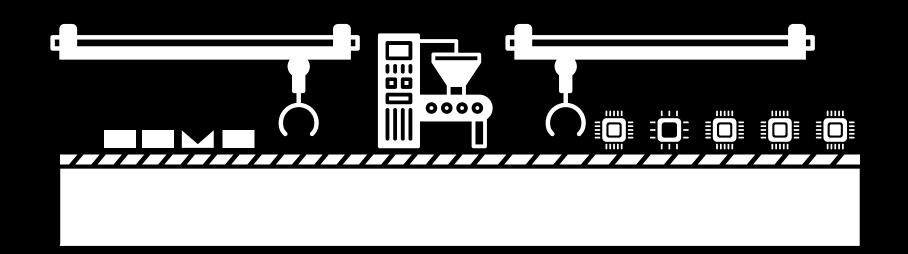




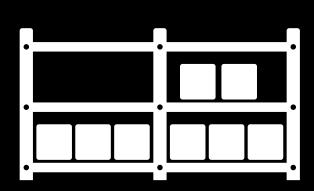




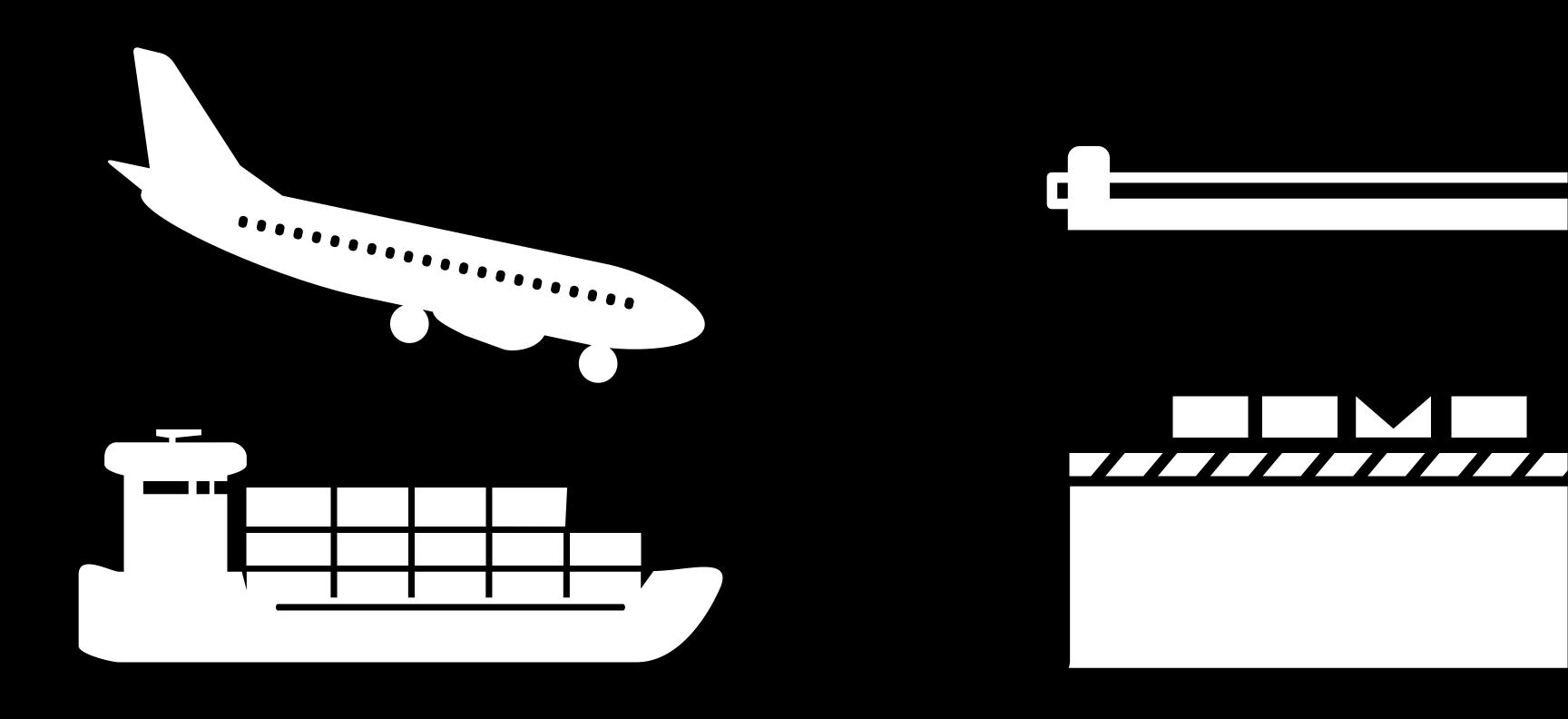


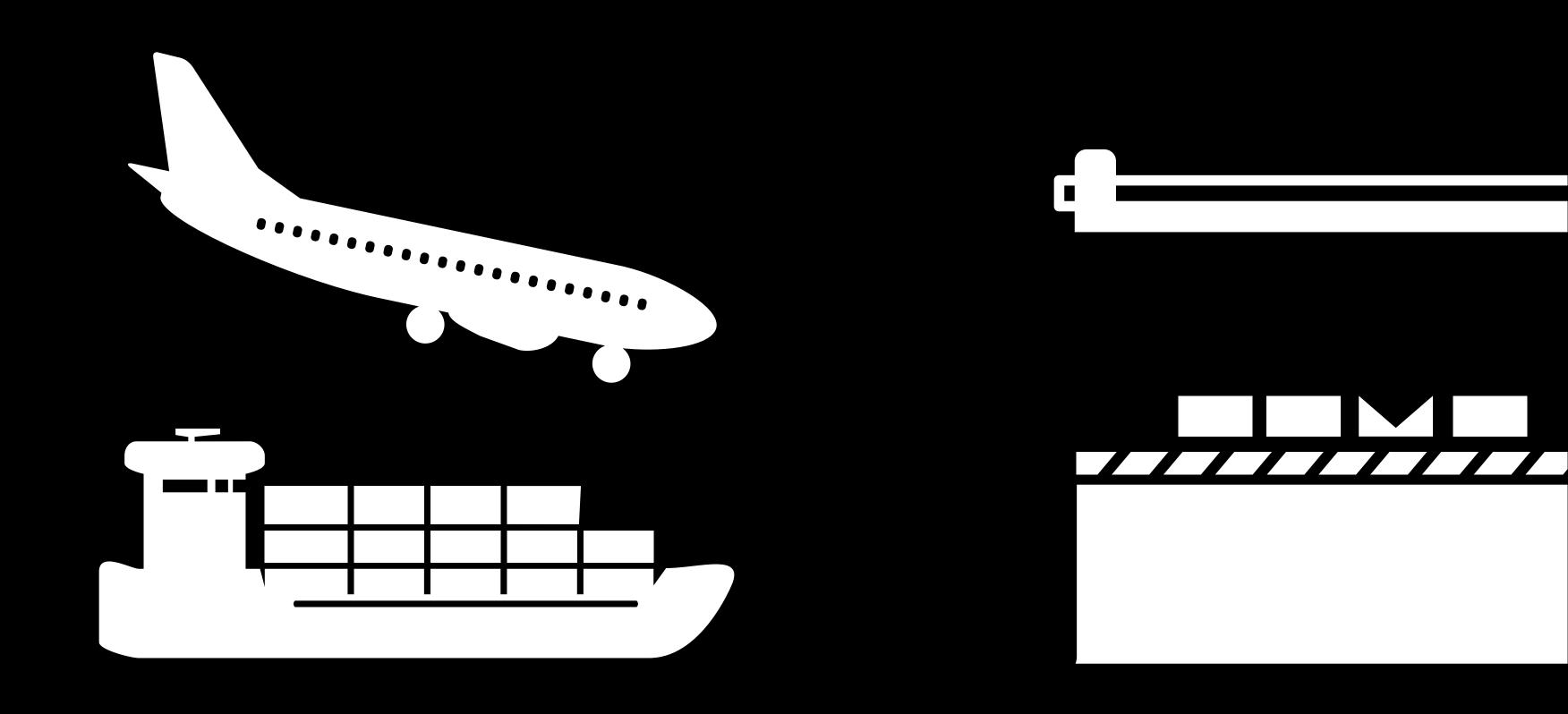




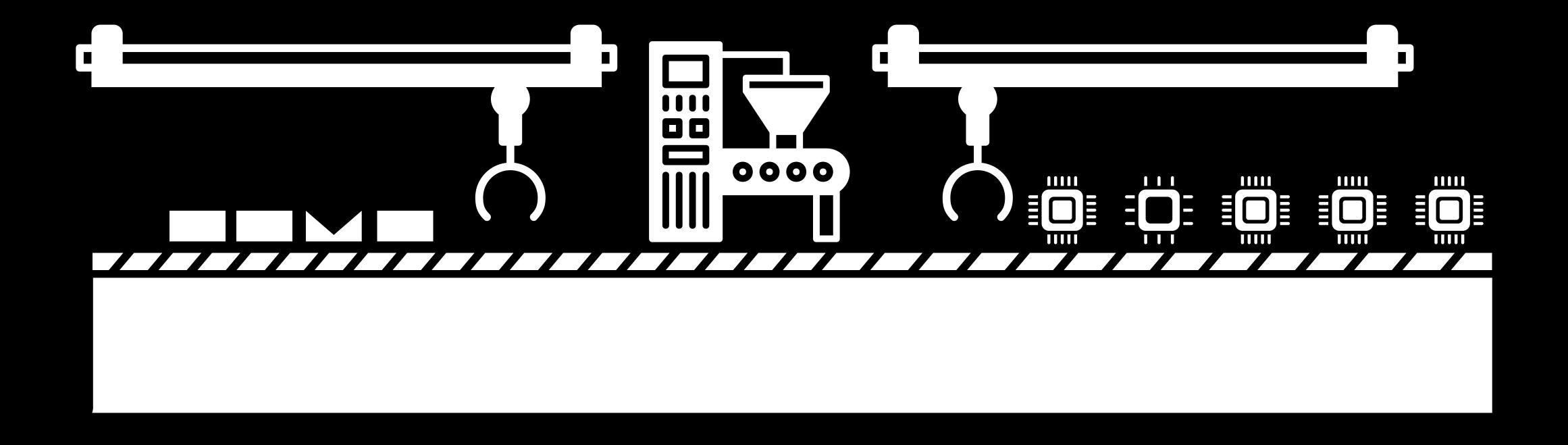


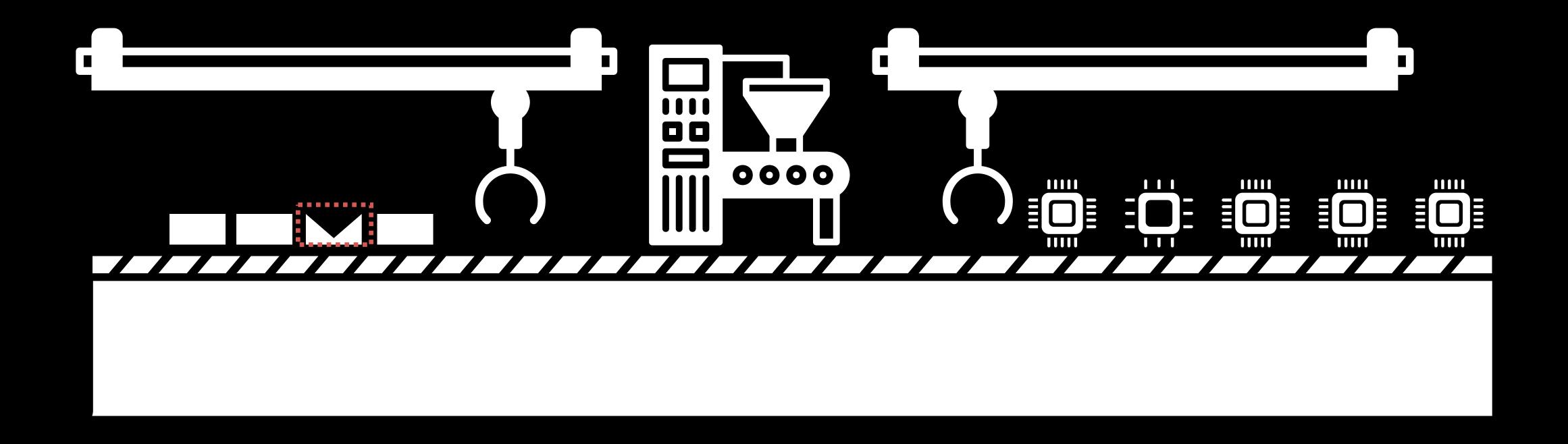




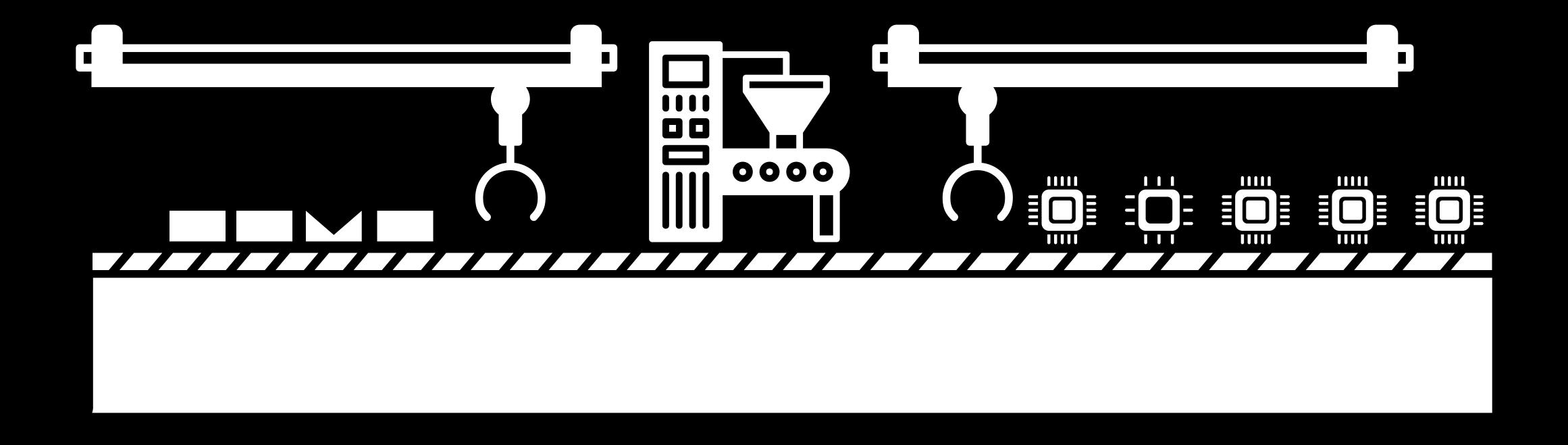


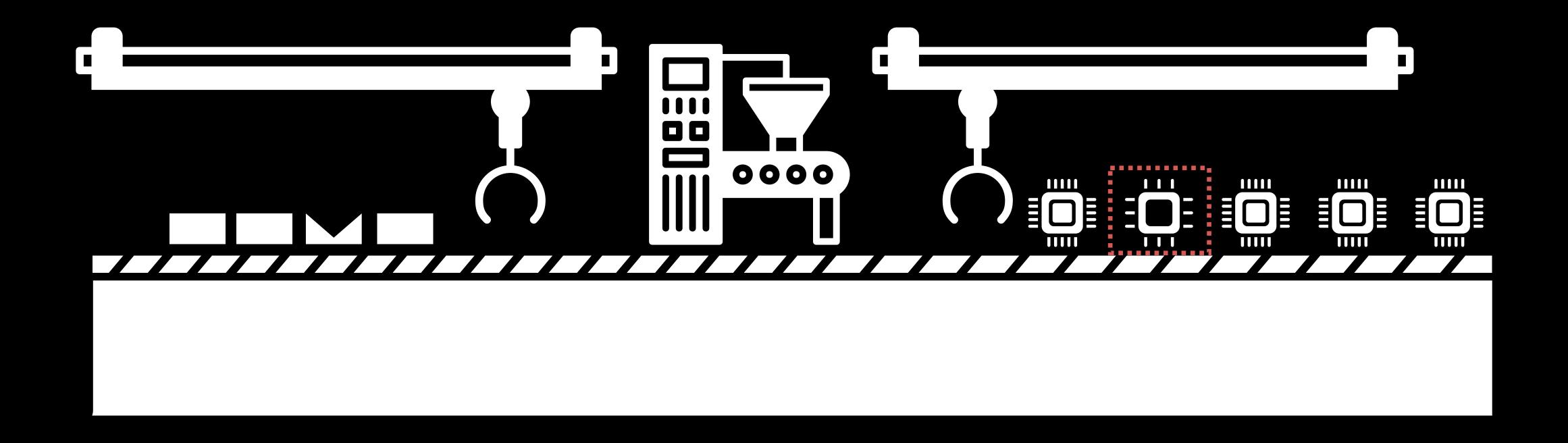
Control Amount of Material



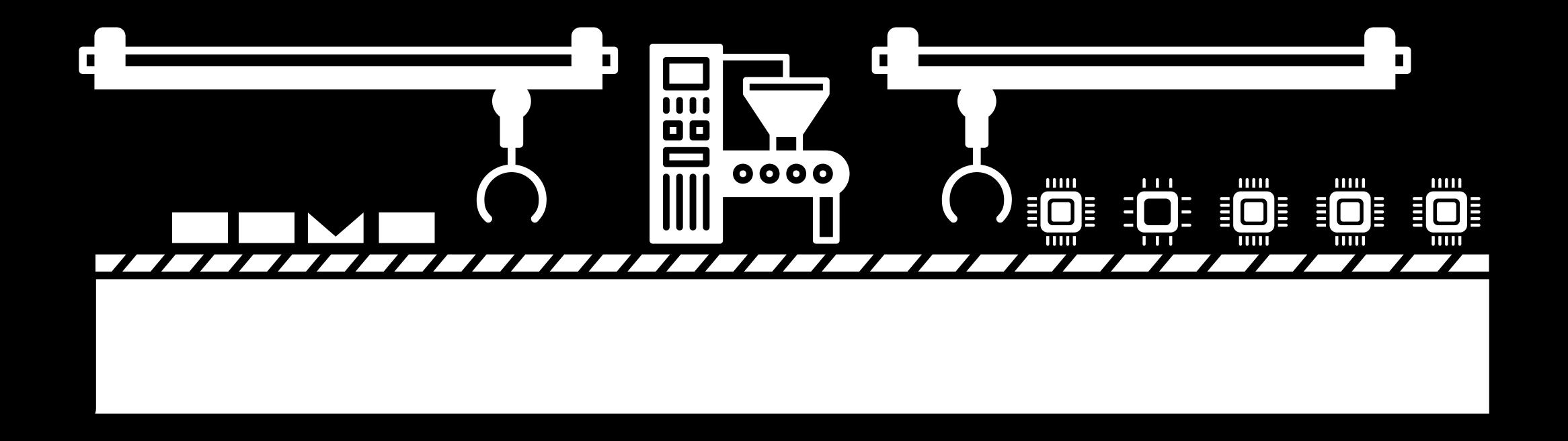


Inspection of Material

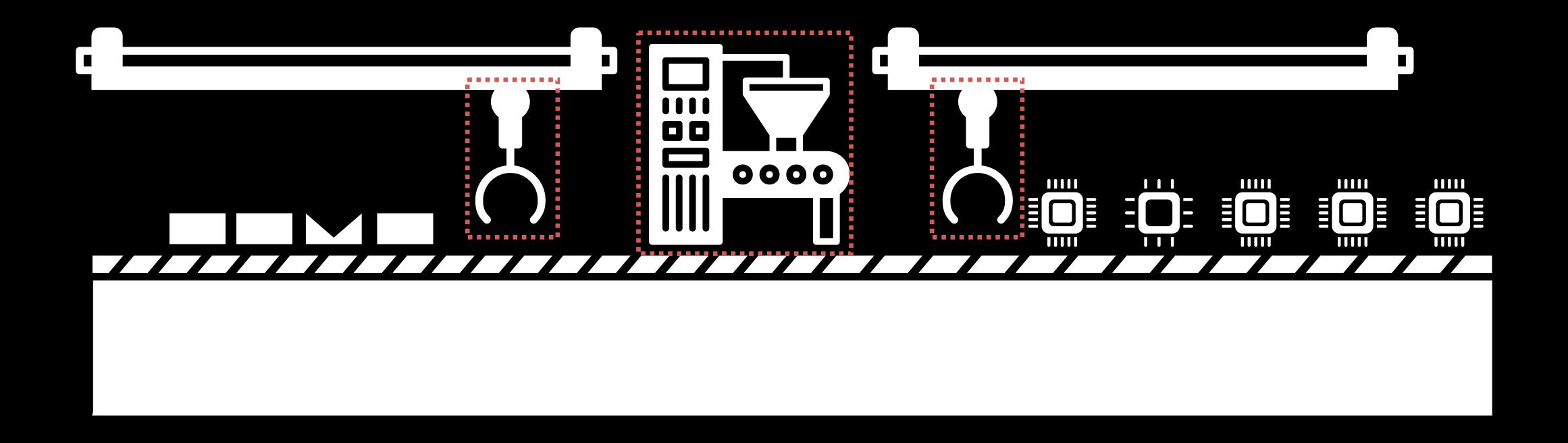




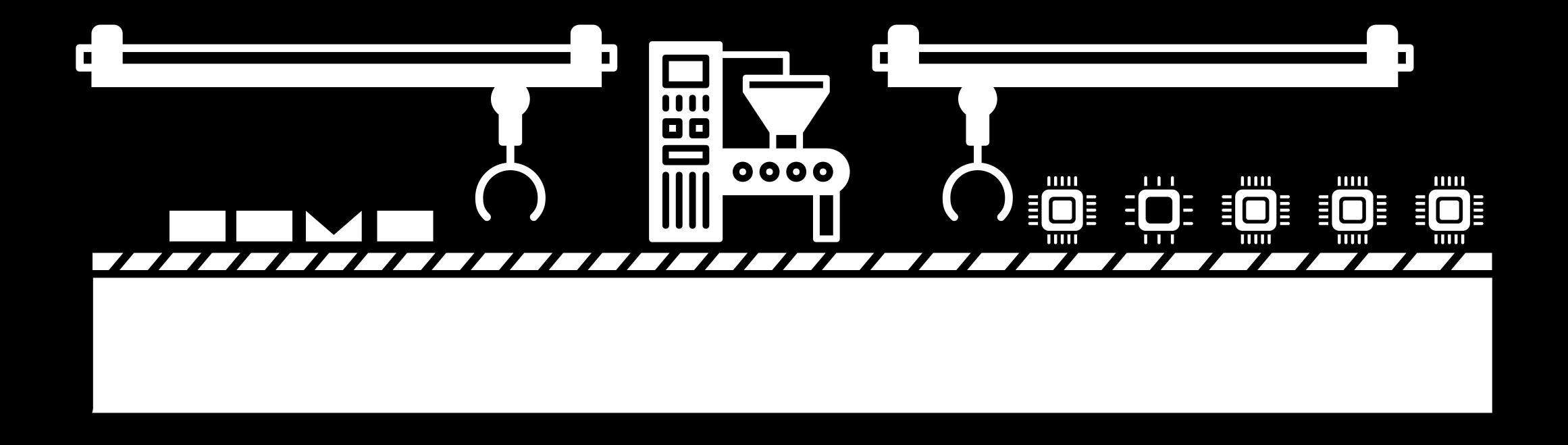
Product Inspection



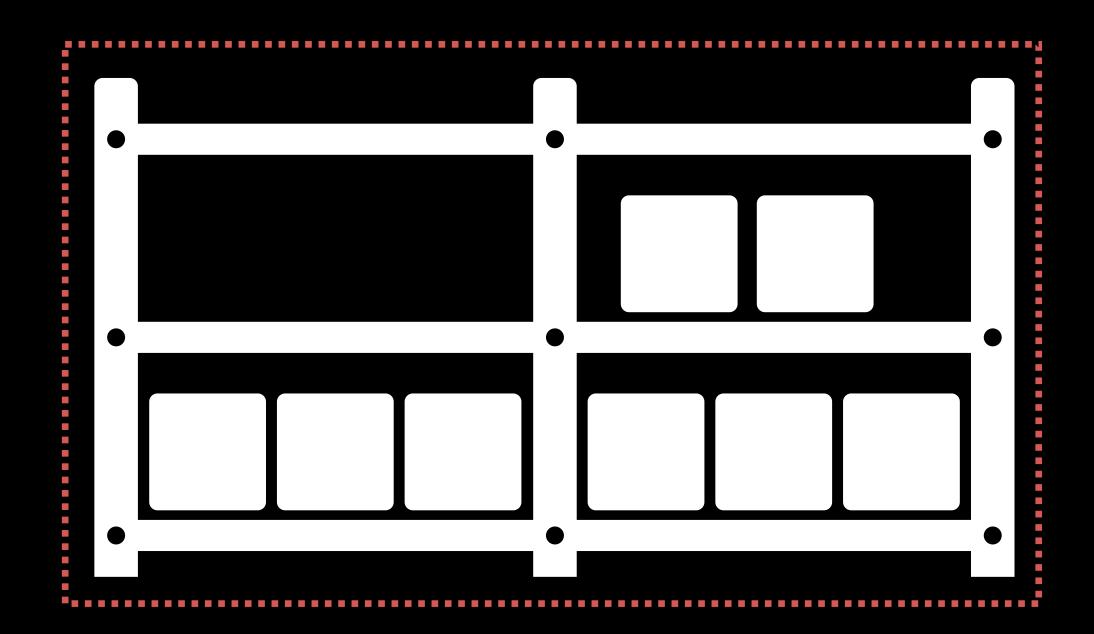
Product Inspection



Fault Detection / Fault Prediction

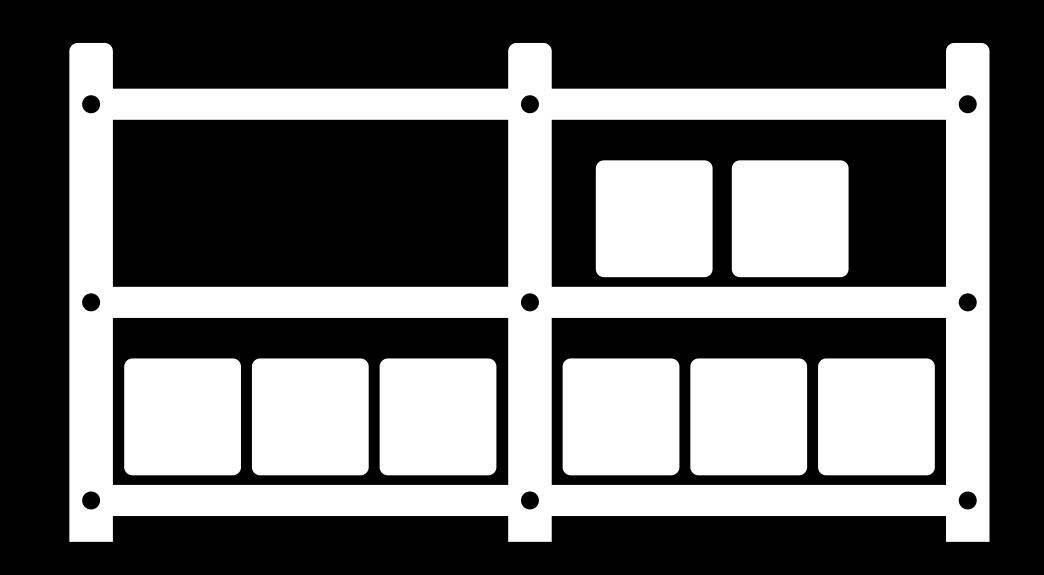




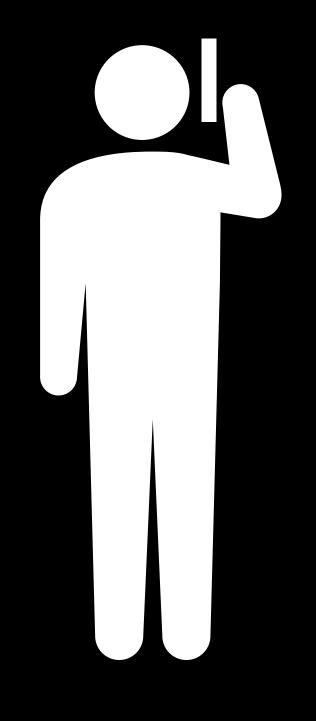


Inventory Optimization





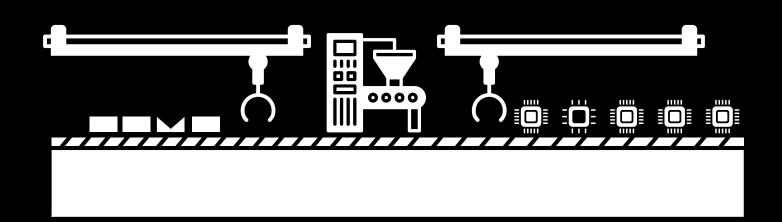
Inventory Optimization



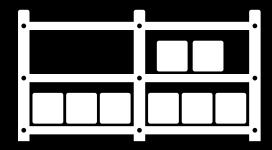


Customer Support Automation







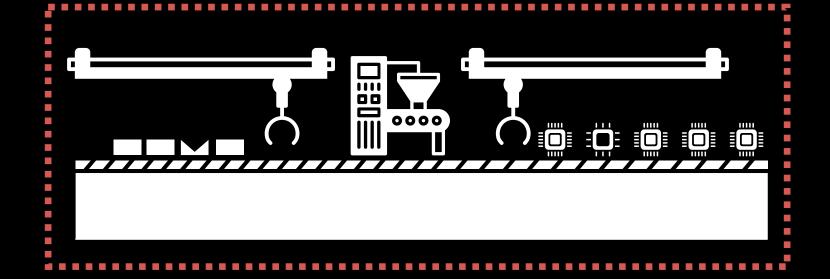




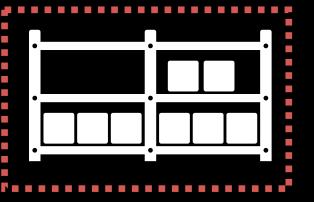














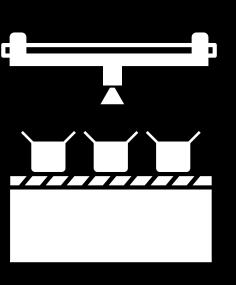


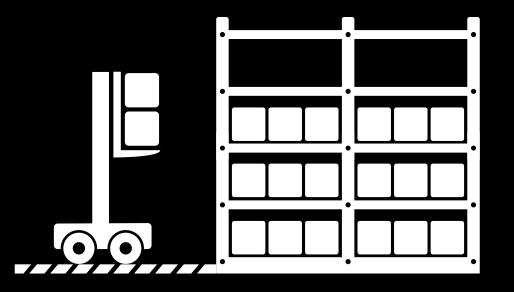


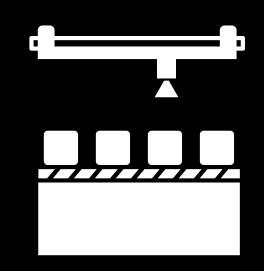




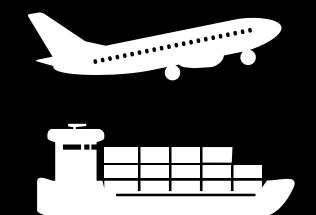






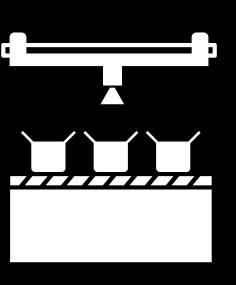


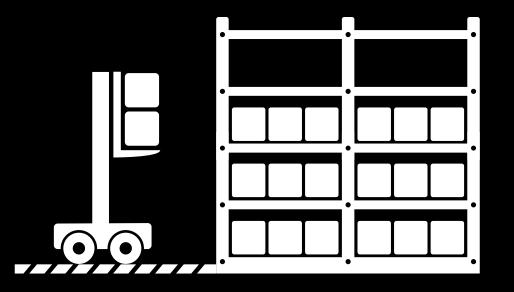


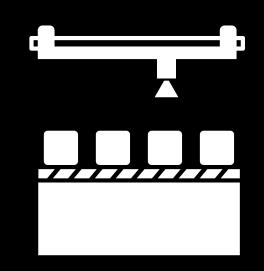




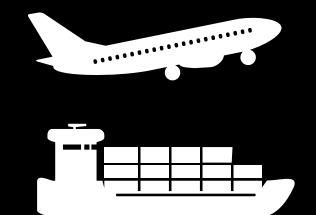




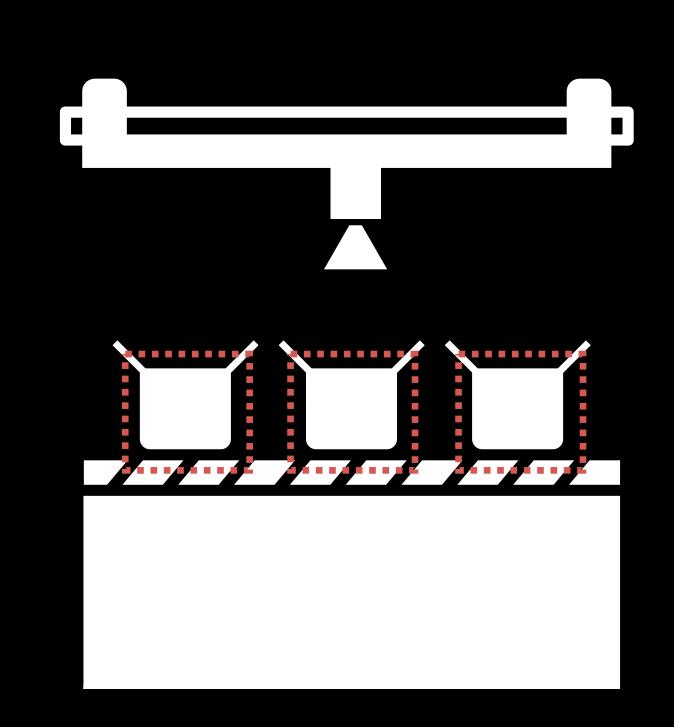


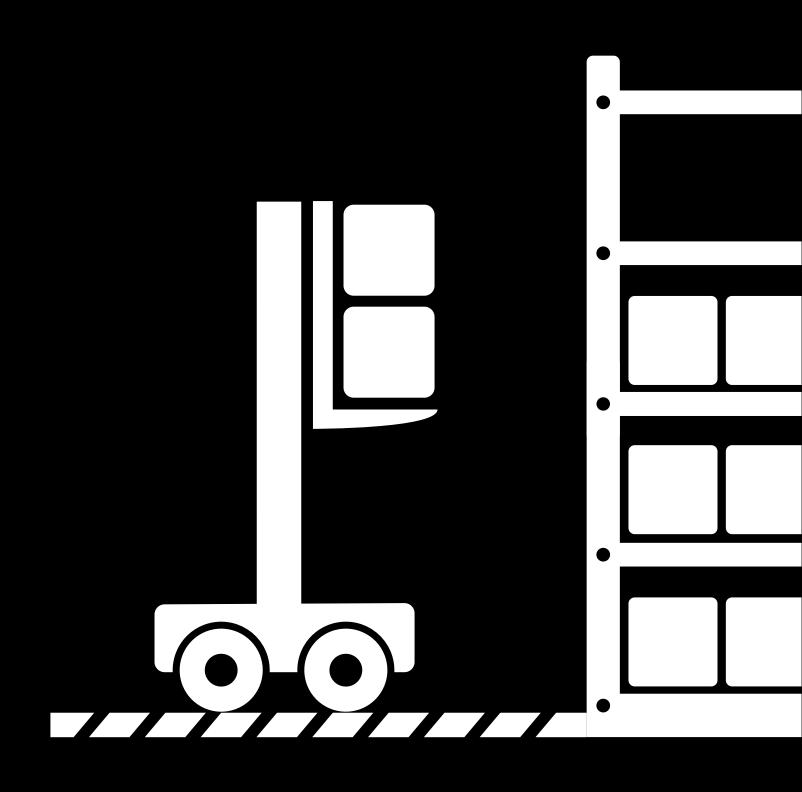




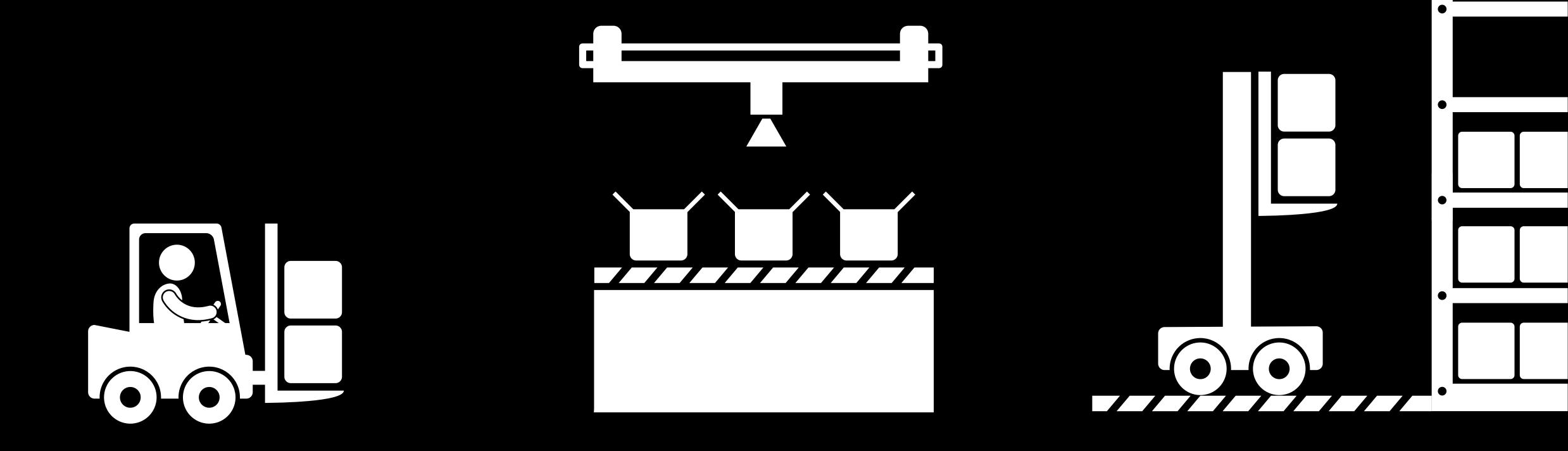




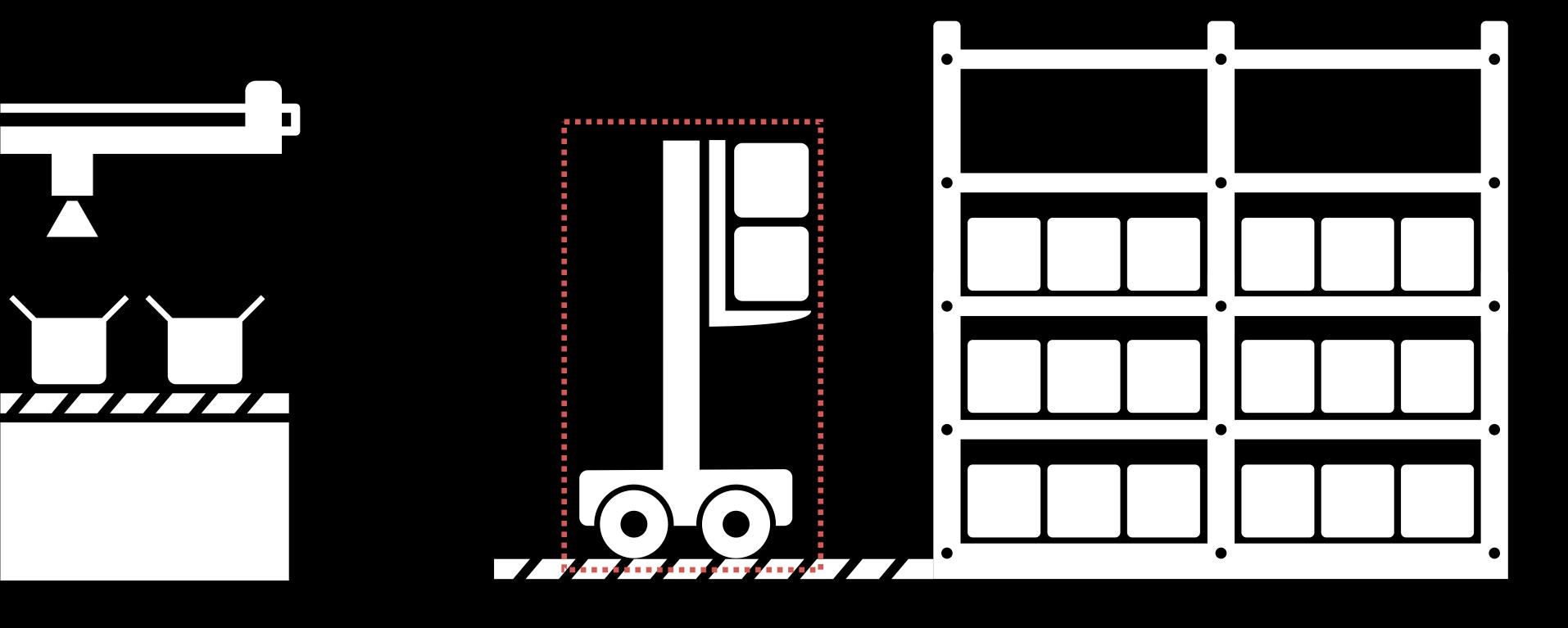


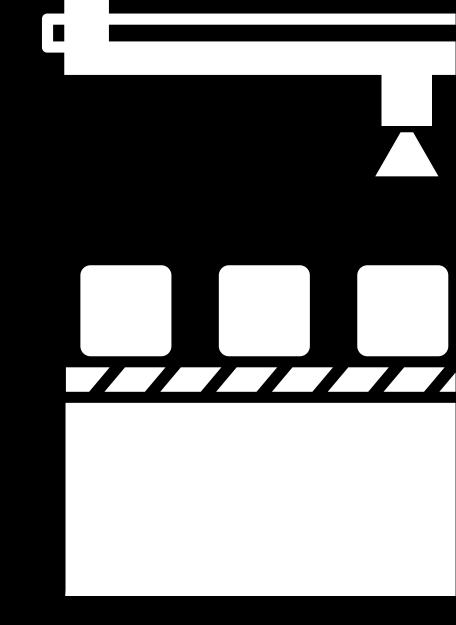


Inspection Automation

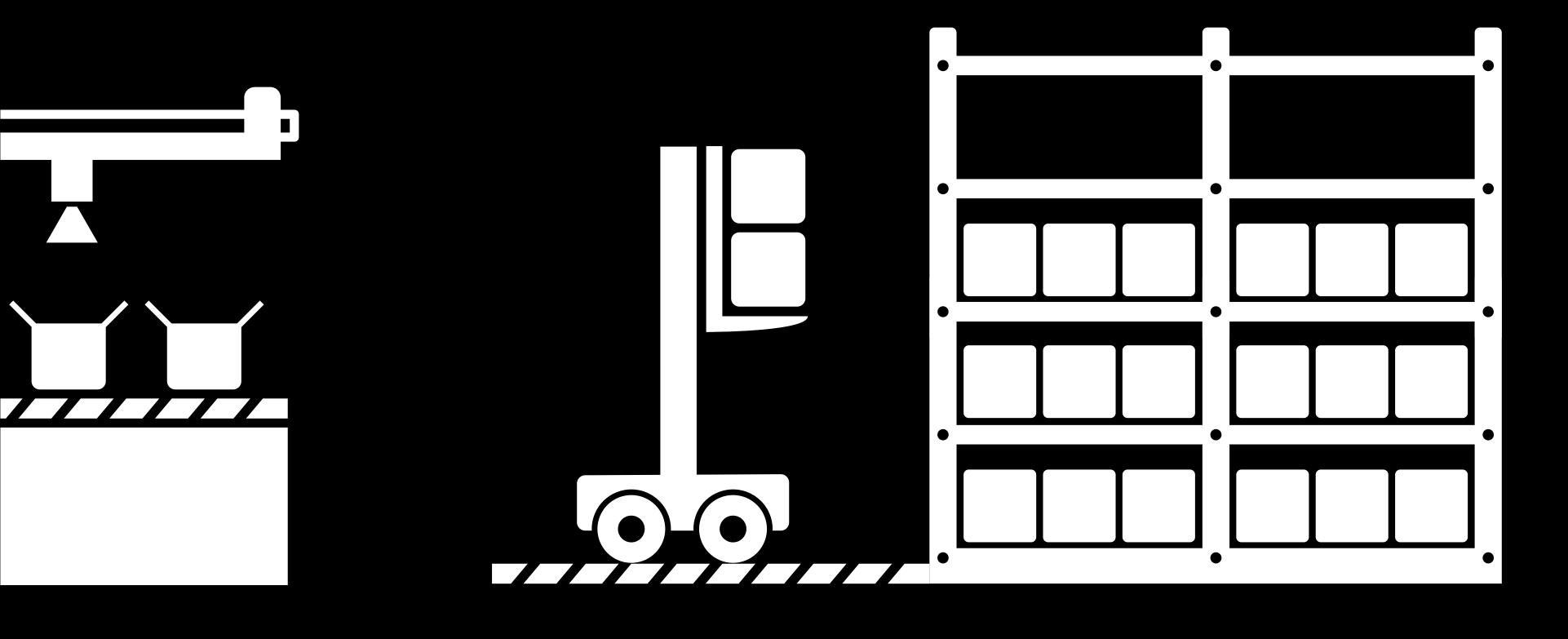


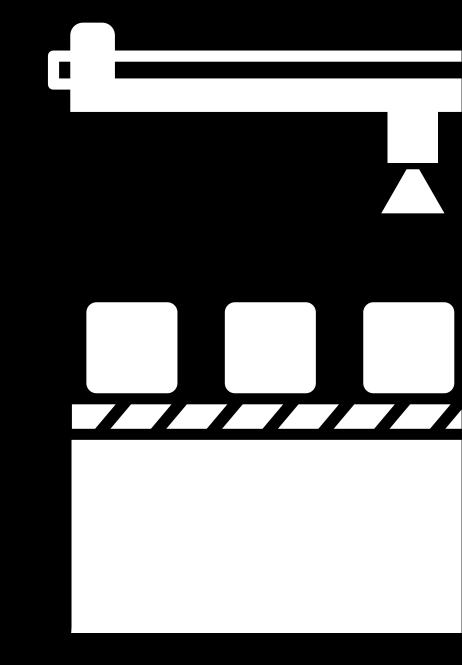
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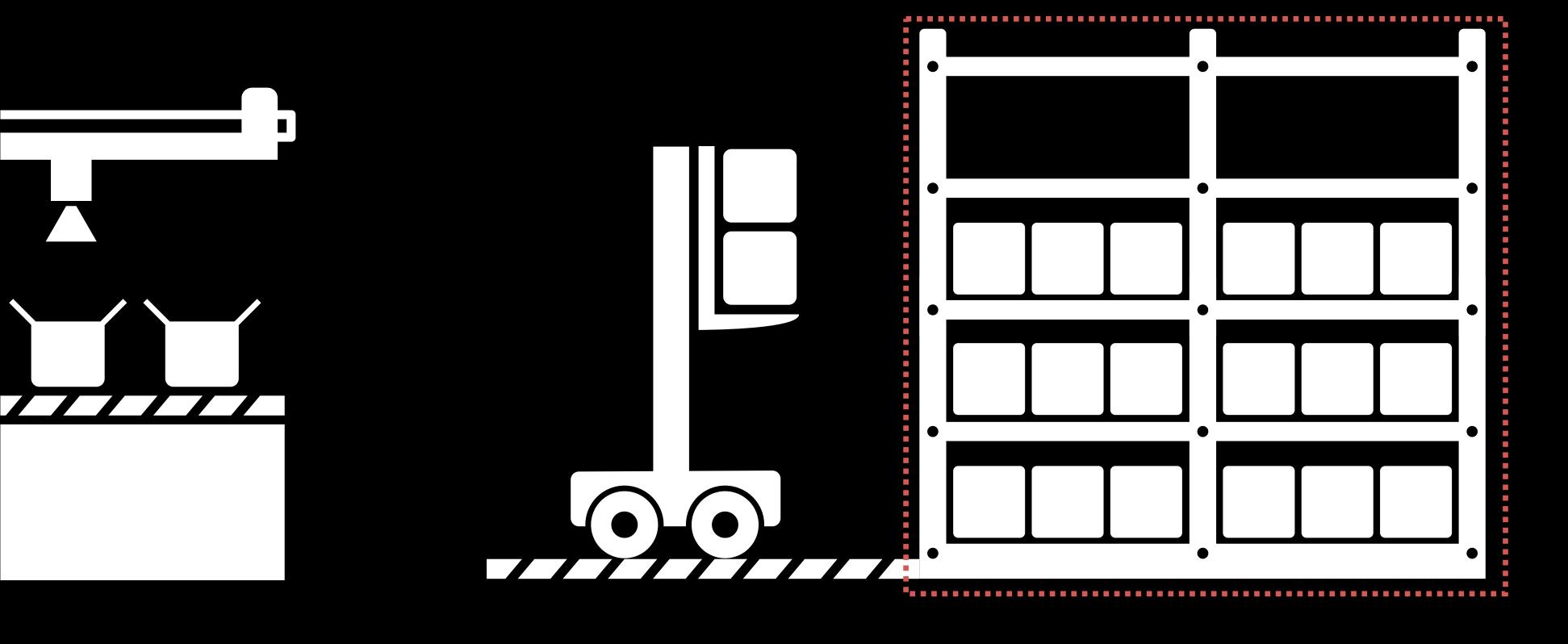


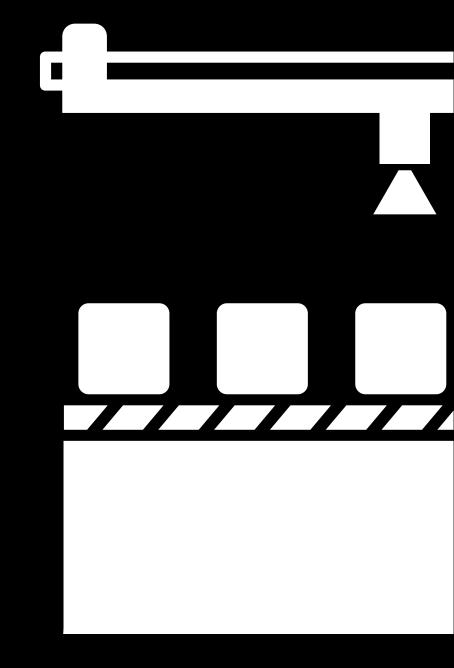
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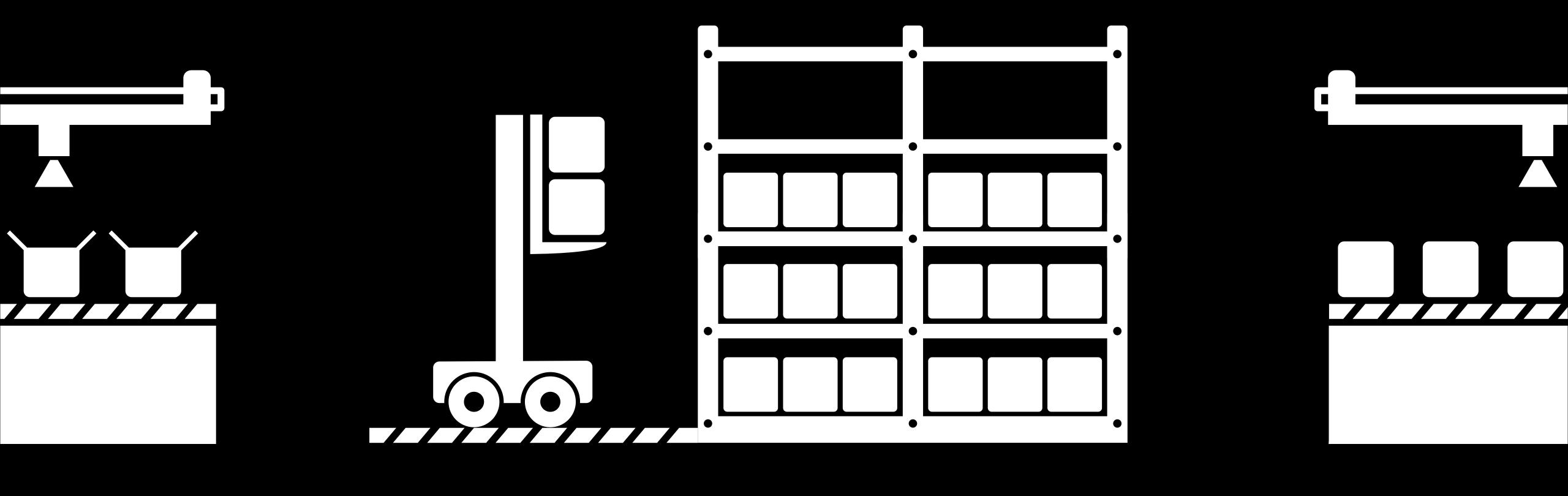


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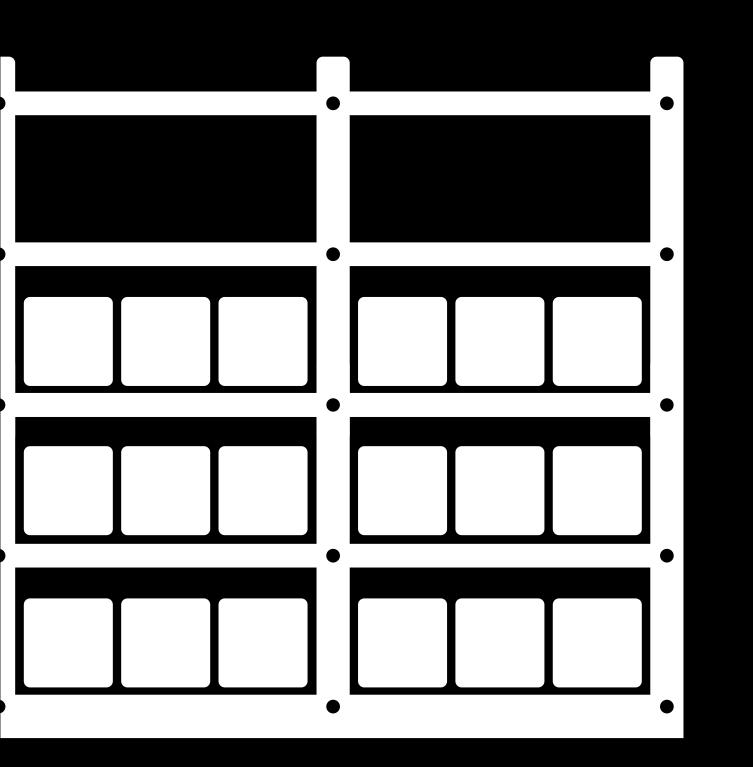


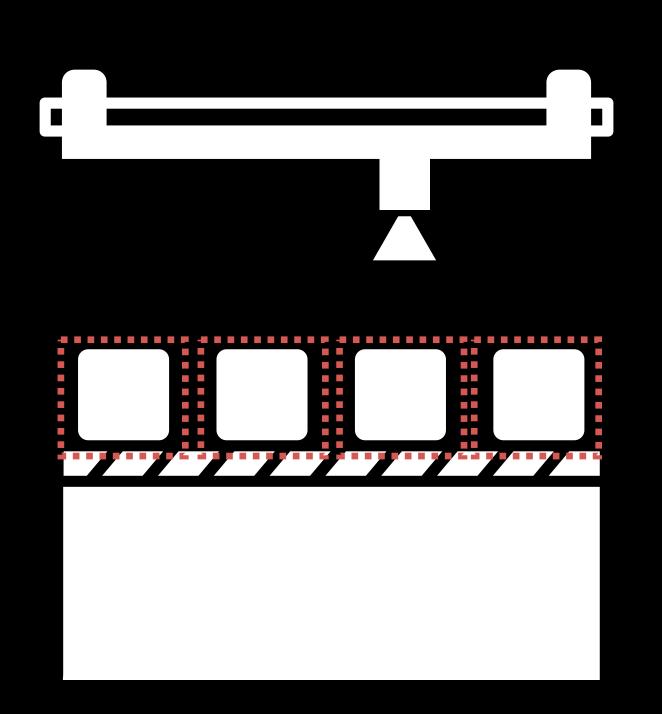


Shelf Optimization



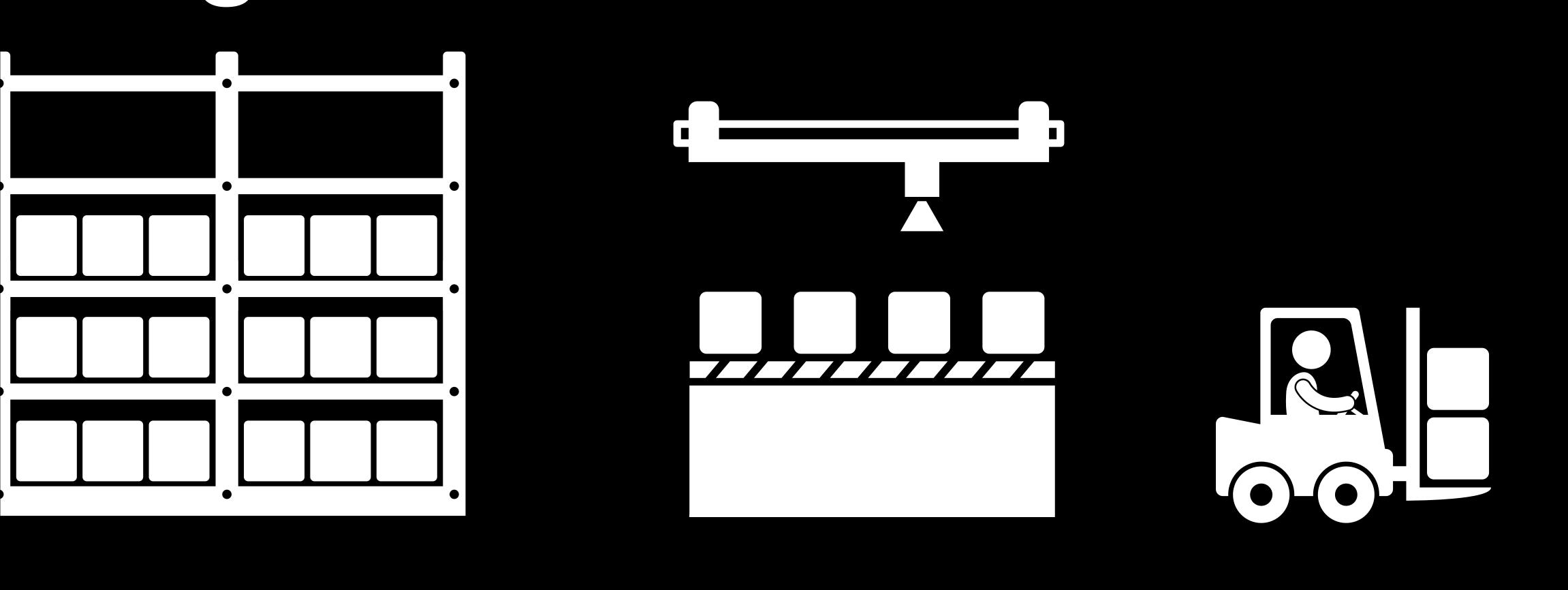
Shelf Optimization







Shipment Inspection



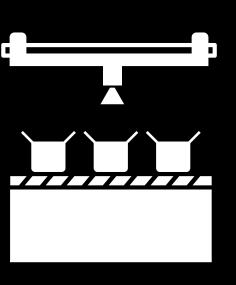
Shipment Inspection

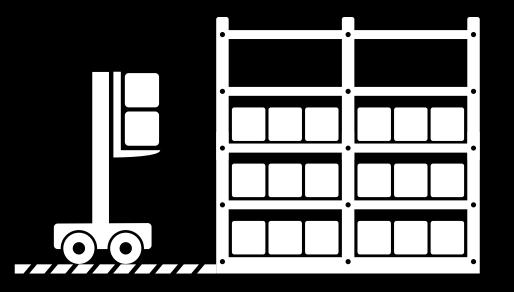


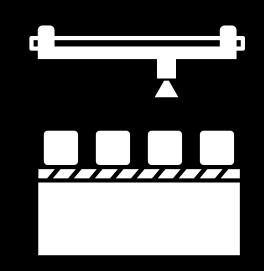
Quality Control at Delivery



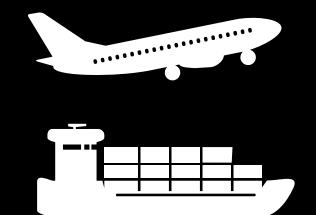






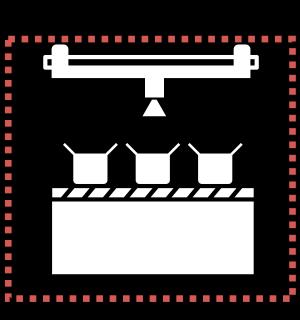


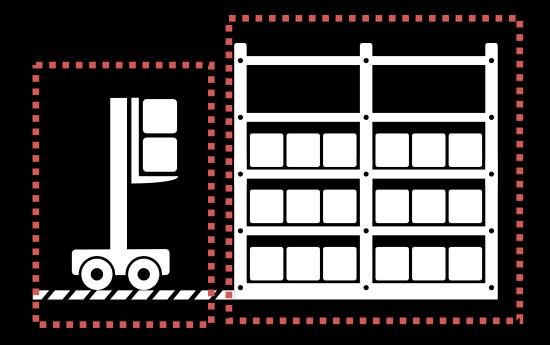


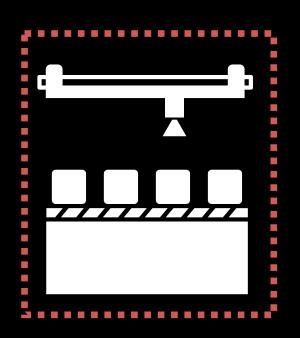




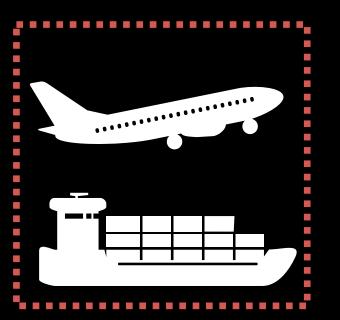












Retail











Retail











Retail



Quality Control at Delivery





Optimization Inventory & Stock

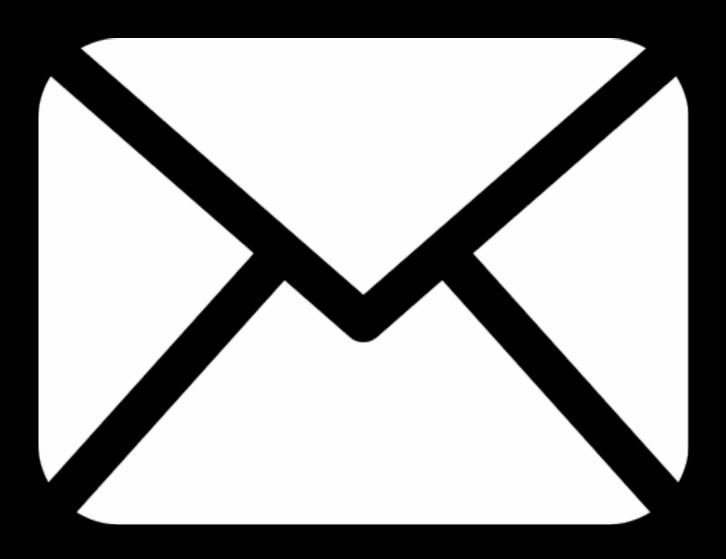








Optimization Store Operation



Marketing











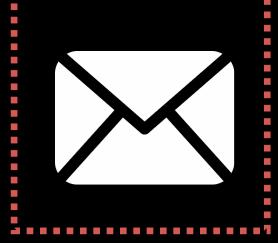




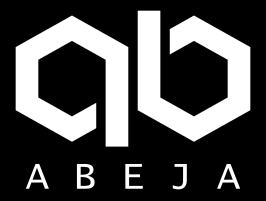
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Client —















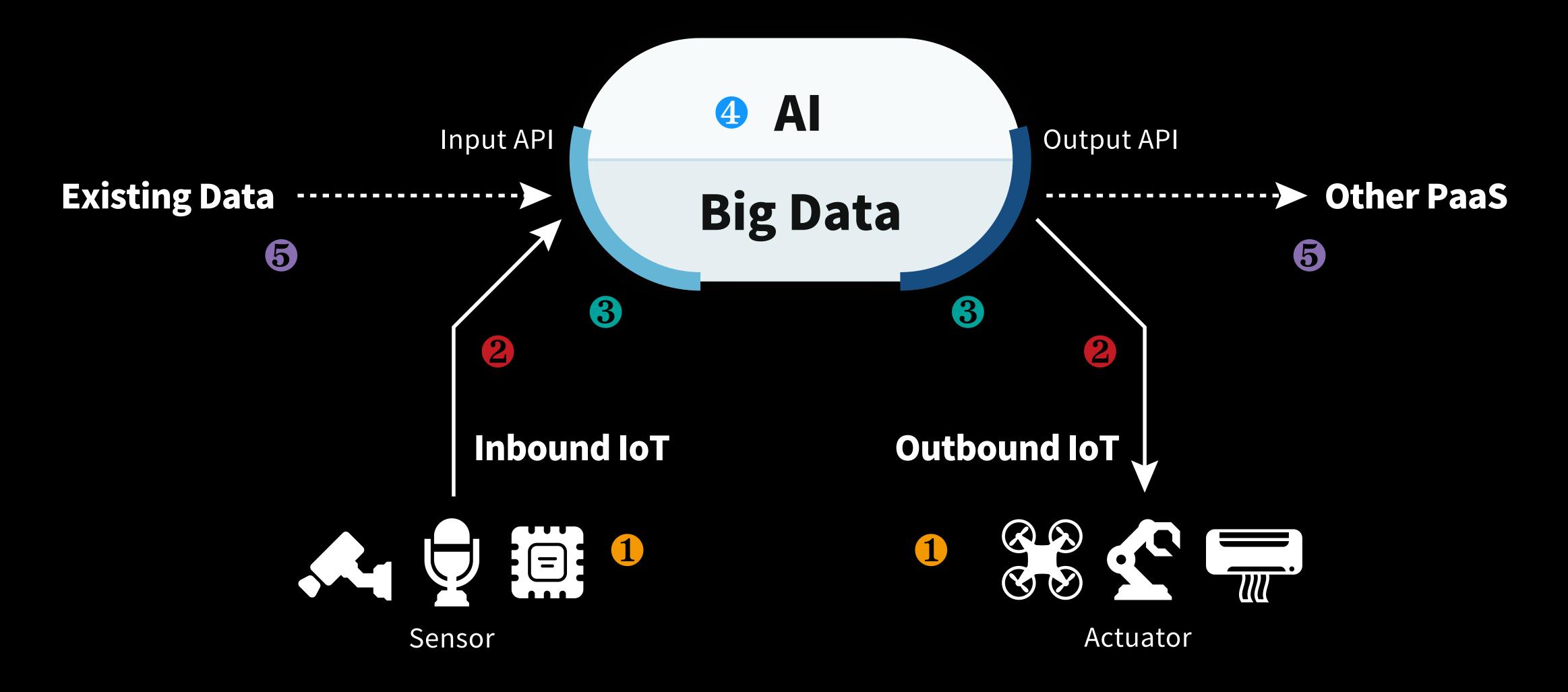
in Feb

Closed in ABEJA

Under ABEJA

Opened for ALL

ABEJA Platform Partner Ecosystem



































































ABEJA Platform Training Course

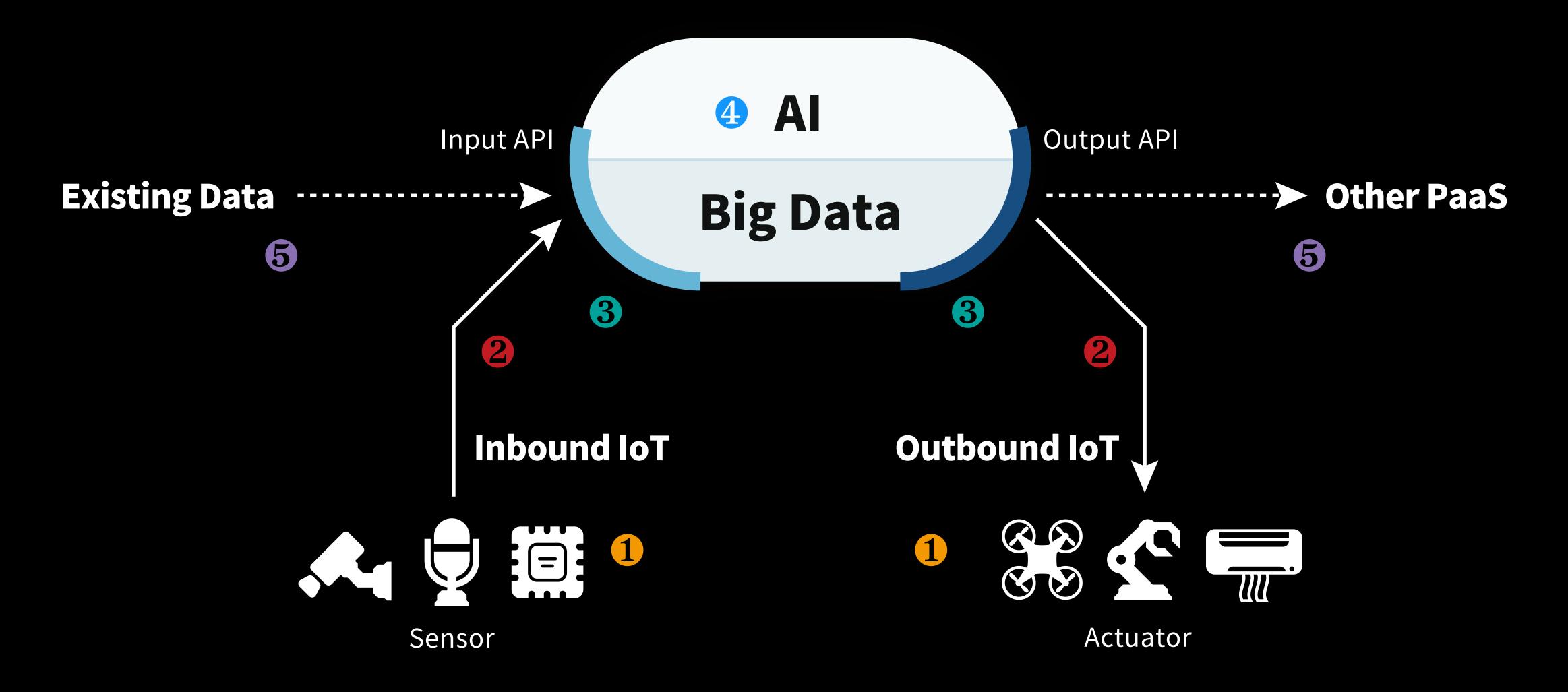


Certified Partner

ABEJA Platform Partner Ecosystem



ABEJA Platform Partner Ecosystem













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