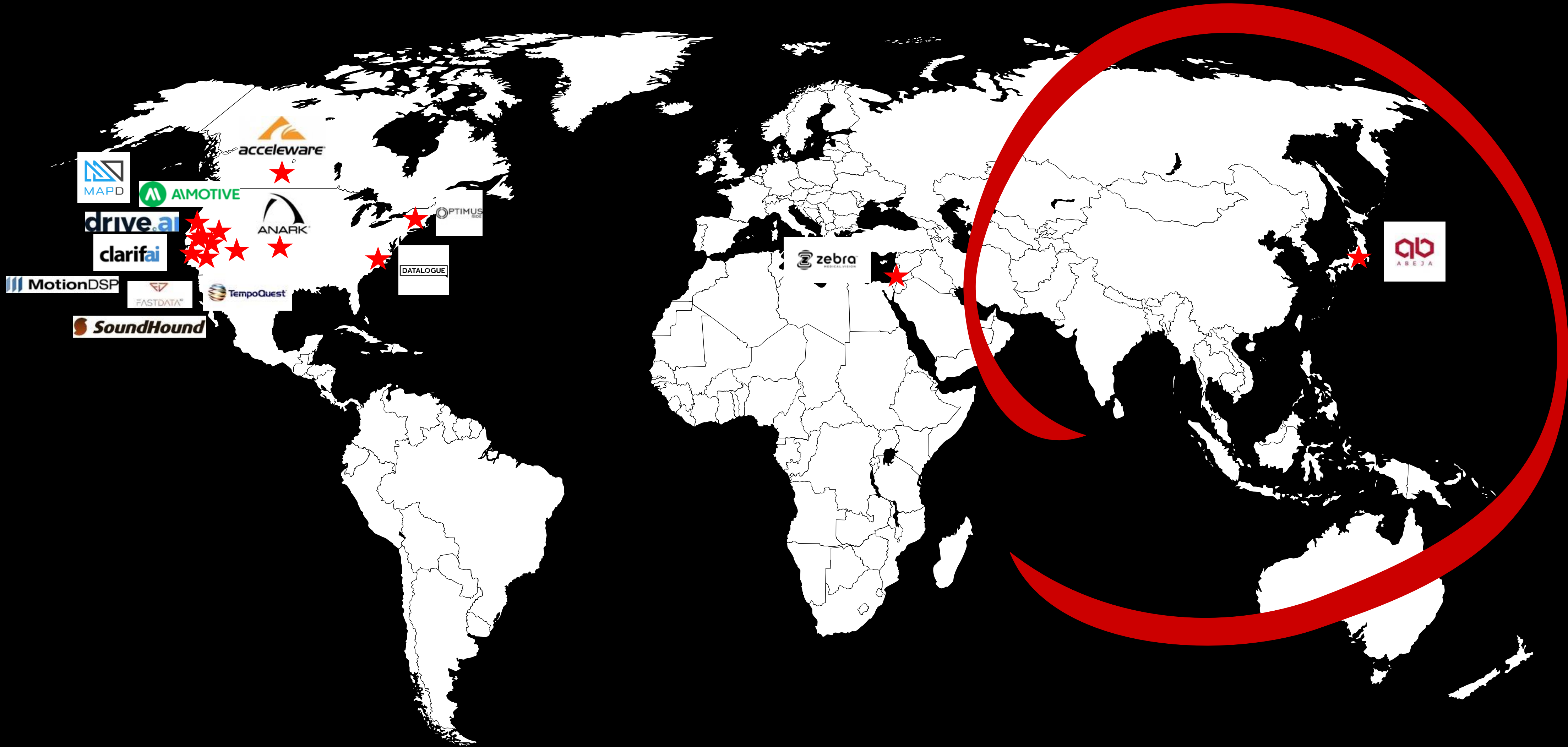


End to End Deep Learning Platform for every Industry

NAOKI TONOGI
ABEJA SINGAPORE



ABEJA is NVIDIA's first unlisted investment Asia



An aerial, high-angle view of a city street, likely in New York City, showing a mix of brick and modern buildings, traffic lights, and a few vehicles. The street is wide and has multiple lanes. The lighting is bright, suggesting daytime. The text is overlaid on the left side of the image.

AGENDA

1. ABEJA Platform

2. Case Studies

3. Client Benefits

An aerial, high-angle photograph of a city street. The street is wide and paved, with a bus and several cars visible. On the right side, there is a car wash with a white van parked in front of it. Buildings of various heights and styles line both sides of the street. The lighting suggests it might be late afternoon or early morning, with long shadows and a warm glow. The text 'AGENDA' is overlaid in the top left, and three numbered items are listed in the center-left area.

AGENDA

1. ABEJA Platform

2. Case Studies

3. Client Benefit



Deep Learning has been adopted across many industries over the last 5 years

A night view of the Supertrees at Gardens by the Bay in Singapore. The trees are illuminated with green and purple lights, and their intricate metal structures are visible against the dark sky. In the background, a city skyline with lit-up buildings is visible. The text is overlaid on the image in a white, italicized font.

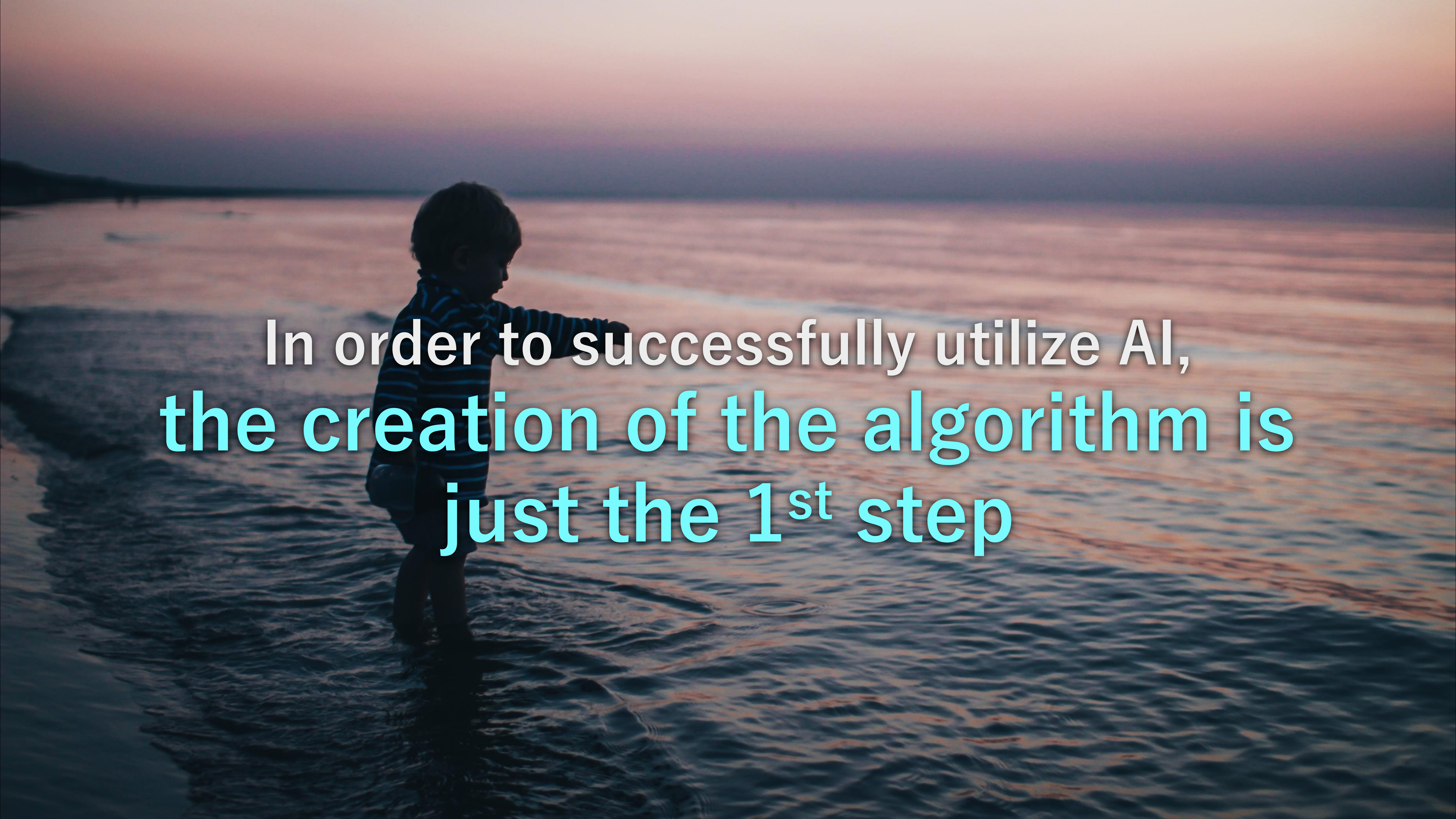
In the near future, all companies will have to use Deep Learning (AI) technology

A man wearing a brown fedora, a light blue denim jacket, a pink sweater, and a tan scarf is sitting on a concrete ledge. He is looking down with a sad or thoughtful expression. The background is a busy city street at night, with blurred lights from cars and buildings, creating a bokeh effect. The overall mood is melancholic and reflective.

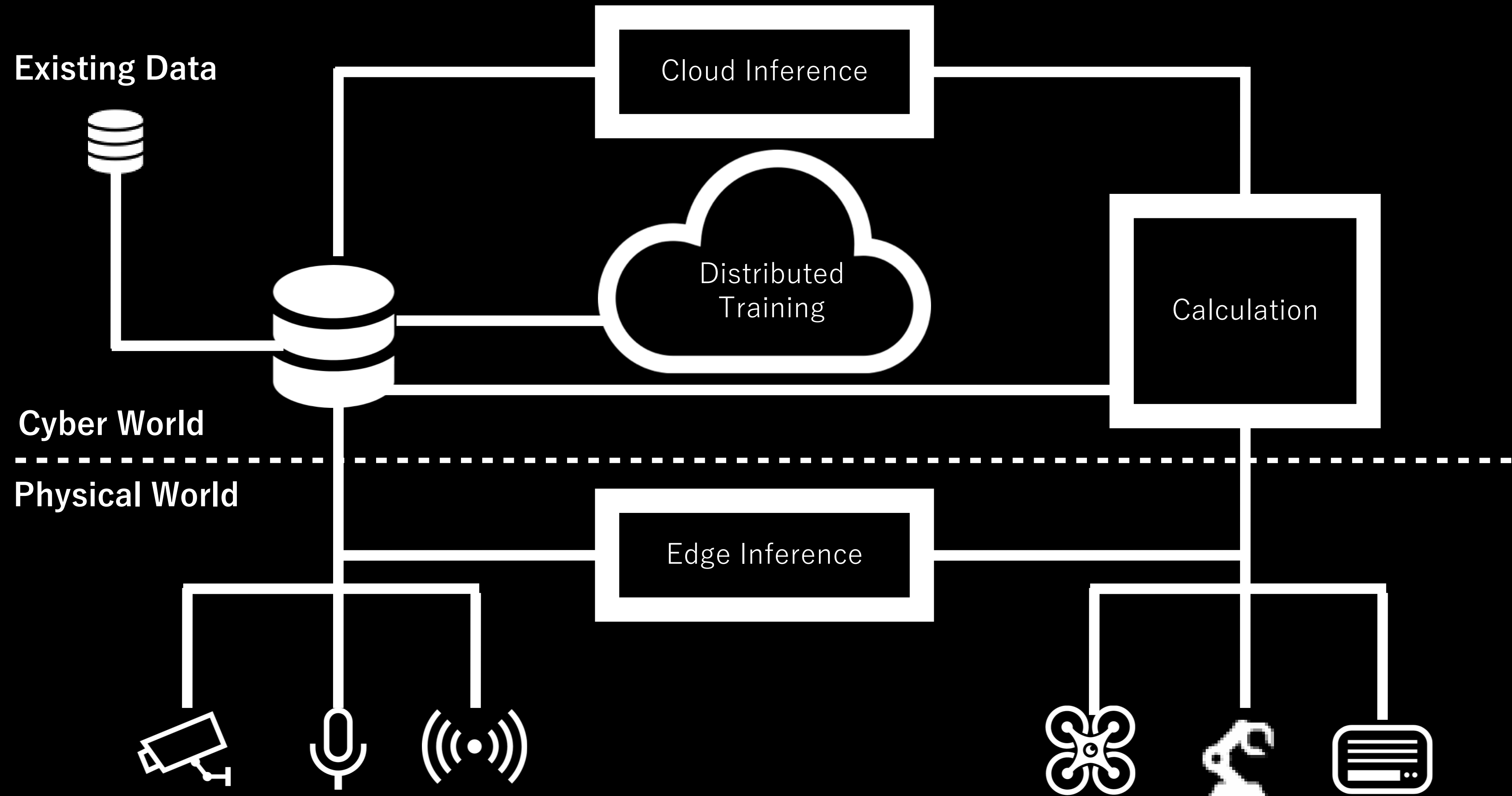
However...



*Why is the implementation of
AI algorithms so difficult?*

A child in a striped shirt stands on a beach at sunset, looking out at the ocean. The sky is a mix of orange, pink, and blue, and the water reflects these colors. The child is in the foreground, slightly to the left, looking towards the right. The text is overlaid on the image, centered horizontally and slightly below the middle vertically.

In order to successfully utilize AI,
**the creation of the algorithm is
just the 1st step**



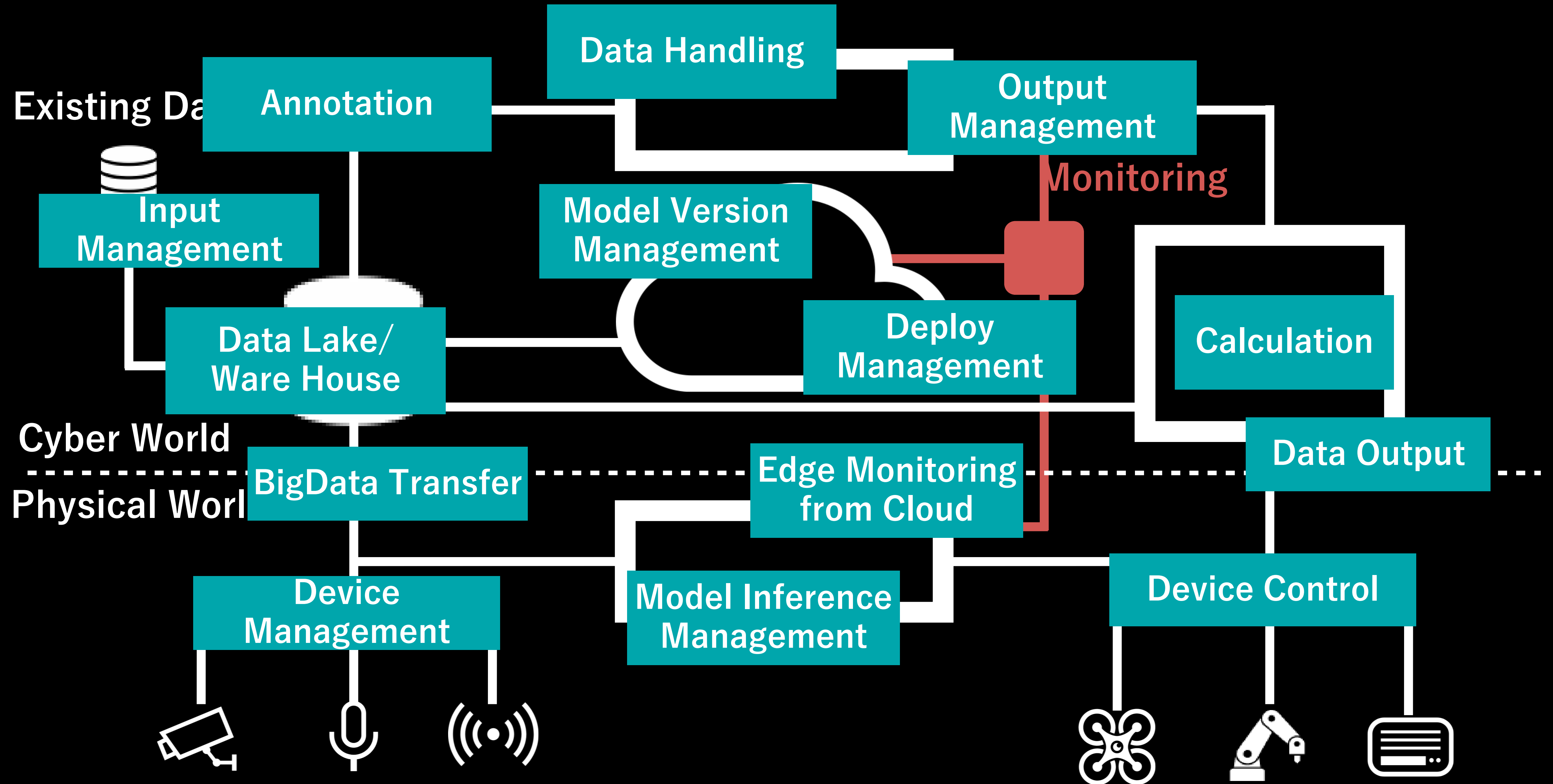
Three Main Problems to Manage AI

-
- 1** **Data Collection/Annotation**
Gathering and annotating data is difficult and resource draining
 - 2** **Learning**
Model training and debugging is dependent on human skills and experience
 - 3** **Deploy**
A lot of investment in infrastructure is required to manage AI.



**ABEJA
PLATFORM**

End to End AI Platform



Key Features of ABEJA Platform

Data Collection/Annotation

1 Fully-scalable data collection and automatic annotation

Learning

2 Automate model management and deployment

Deploy

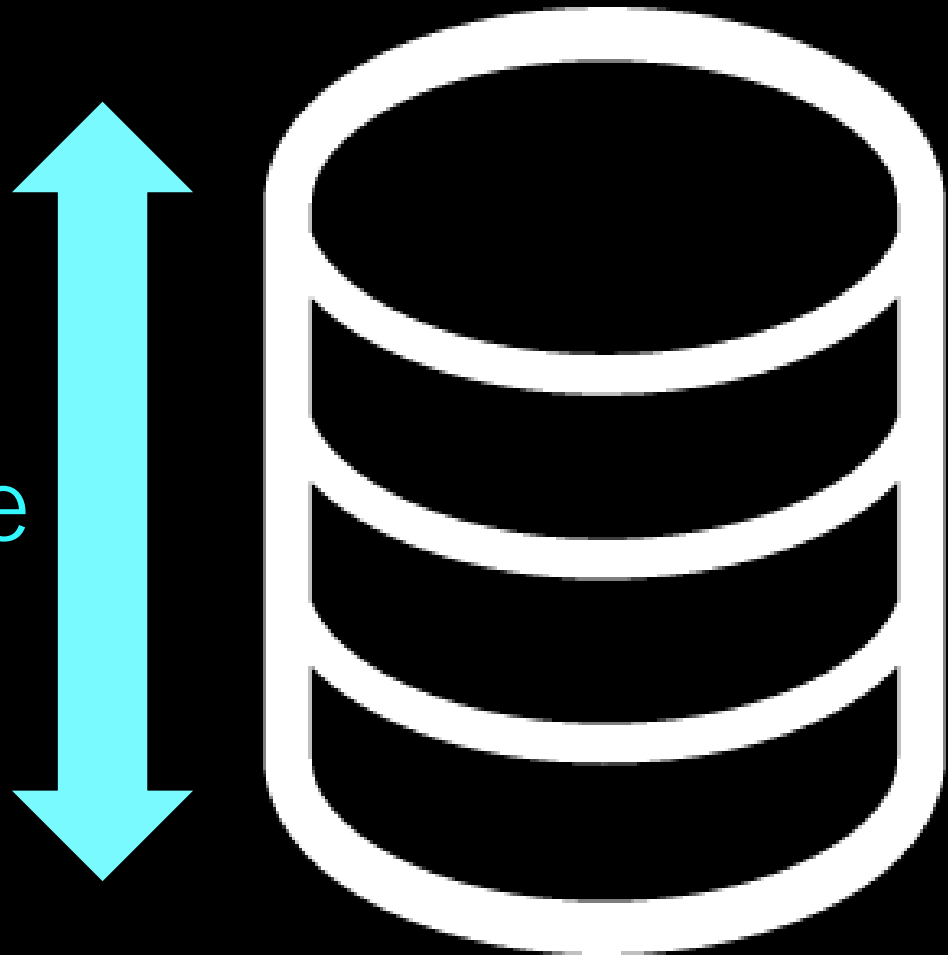
3 Fully-managed infrastructure of AI including GPU

1. Fully-scalable data collection and automatic annotation

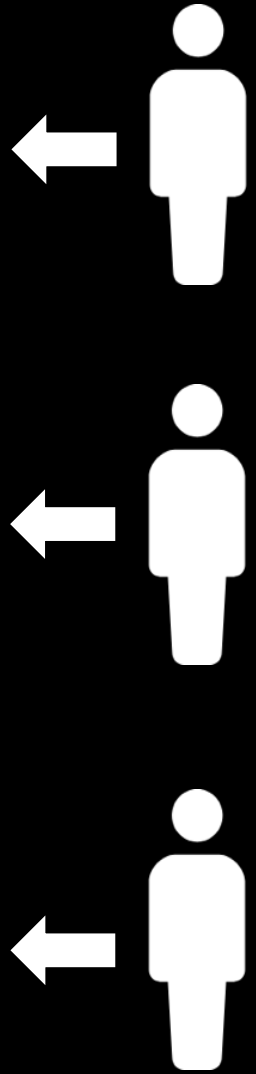
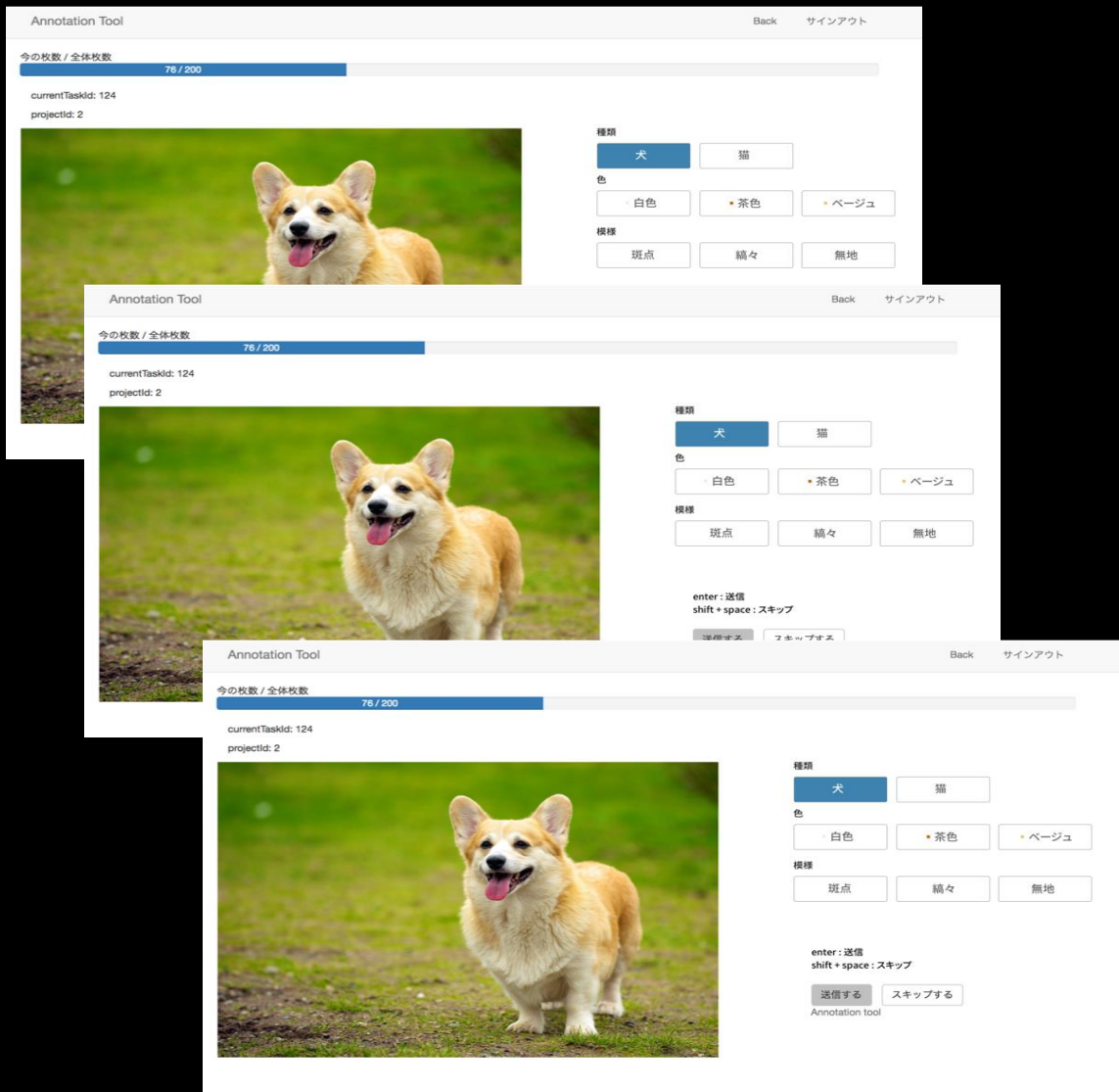
Data Lake

Annotation Tools

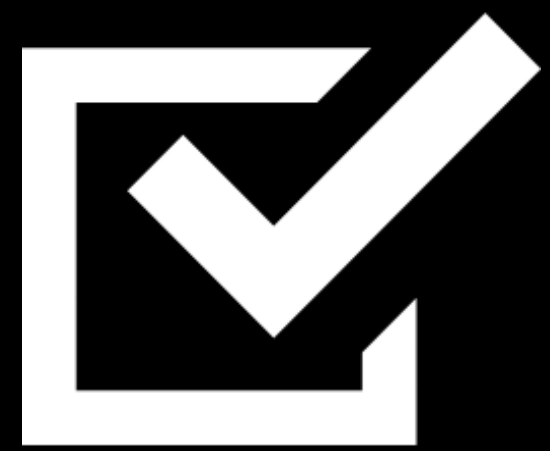
Full Scalable



Auto-Annotation



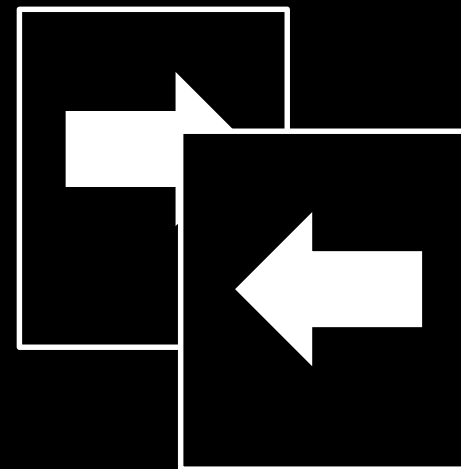
2. Automate model management and deployment



**Validate
accuracy of
algorithm**



**Control
versions of
algorithms**



**Compare most
accurate
algorithms**

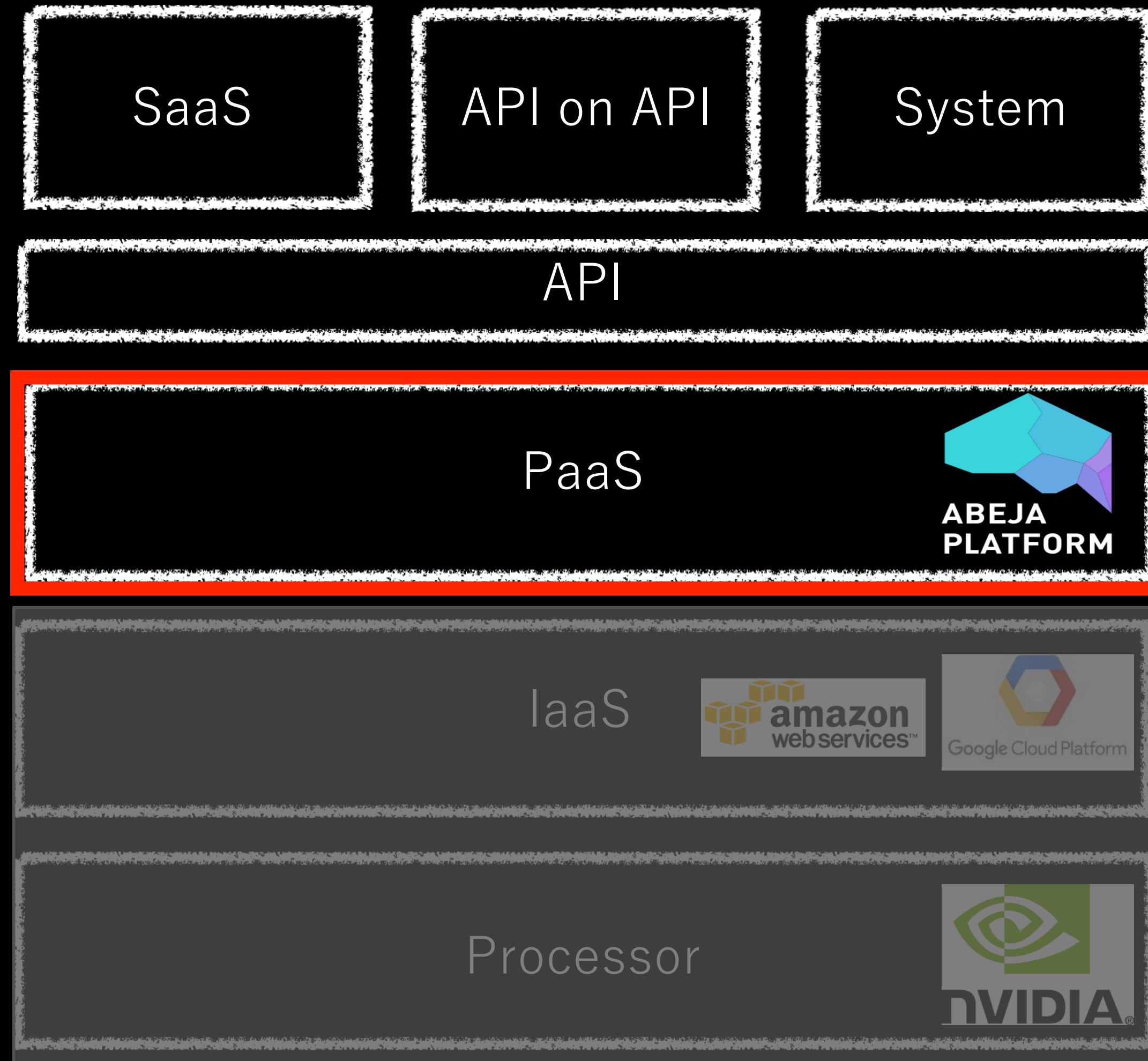


**Convert
Web API's**



**Automate
Deploy**

3. Fully-managed infrastructure of AI including GPU



Auto Scaling

expand or reduce the usage of the infrastructure

Easy Management

Simplify workload and user authority checks

The biggest AI Platform Ecosystem In Japan



AGENDA

An aerial, high-angle photograph of a city street. The street is wide and paved, with several lanes. On the left side, there are tall, multi-story brick buildings with many windows. On the right side, there are shorter buildings, including one with a red roof and a car wash. A white van is parked in front of the car wash. In the distance, a tall skyscraper is visible against a clear sky. The overall scene is a busy urban environment.

1. ABEJA Platform

2. Case Studies

3. Client Benefit



Confidential

AGENDA

1. ABEJA Platform

2. Case Studies

3. Client Benefit

Significant Time & Cost Reduction

Before

After

Internal Process




Set-Up Time						
Data Accumulation						
Data Annotation						
Prototyping						
Training						
Tuning						
Deploy						
Re-learning						

Set-Up Time			
Data Accumulation			
Data Annotation			
Prototyping			
Training			
Tuning			
Deploy			
Re-learning			

A photograph of several small green seedlings growing in a dark brown soil tray. The seedlings are in various stages of growth, with some having two leaves and others just starting to emerge. The background is a soft, out-of-focus green light. A semi-transparent dark grey horizontal band is overlaid across the middle of the image, containing the text.

**Improve your AI algorithms
by managing efficiently**

The image features three silhouetted figures with their arms raised in a celebratory gesture against a warm, orange-hued sunset sky. The figures are positioned in the center and right of the frame. The text is overlaid on a semi-transparent dark horizontal band across the middle of the image.

**Clients can focus on
their core business
and make innovation**

The image is a vertical composition. The top half shows a close-up of a waterfall cascading over dark, mossy rocks. The bottom half shows a person standing on a dark, rocky beach with their arms raised in a gesture of triumph or joy. A vibrant rainbow is visible in the sky behind the person, extending from the right side of the frame towards the center. The overall mood is one of achievement and overcoming challenges.

**Supporting all industries to overcome
their AI obstacles, worldwide**



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The AI Revolution Accelerated

2018/2/22
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Innovation that changes the world