



**PARTNER FOR YOUR
NEXT INNOVATION**

NEXT SOLUTION LAB IN A NUTSHELL

50+ STAFF
Worldwide

90% developers with an average of 4+ years of experience

Corporate Headquarter in Bangladesh



1 Branch office in Canada



1 Branch office in Japan



1 Branch office in USA



90% Staff with a bachelor's or master's degree

100% Dev/Tester/BA with English proficiency

50+ PROJECTS

50%

AI Research & Innovation

25%

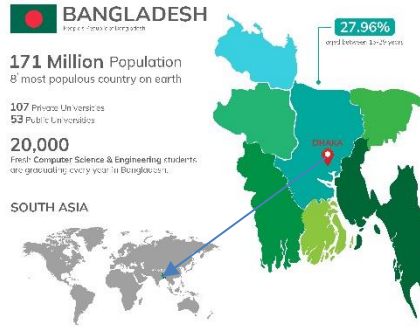
Offshore Software Development

15%

Data Annotation

10%

Internal



Established in 2019,
5+ years of experience
in IT outsourcing industry



Founded by **Industry Experts**
with **20+** years of experience



Among **Top AI Innovator** in
Bangladesh & Japan



Among **TOP Offshore Development**
company in Bangladesh



Serving globally, including
clients from the **Fortune 500**
companies.

Why Us



Expert Annotation Team

Our team of annotation specialists combines deep expertise and creativity to deliver precise and high-quality data labeling services.



Streamlined Work Process

We evaluate your specific requirements to provide tailored annotation solutions. Our efficient workflows transform complex data challenges into valuable opportunities with speed and accuracy.



Commitment to Quality

We are dedicated to deliver accurate, reliable, and scalable annotation services that meet your exact needs. Count on us for consistency and quality in every project.



Trustworthiness

Integrity and reliability are the foundation of our annotation services. Through transparent communication and consistent performance, we build strong client relationships you can depend on.



Cost Efficiency

We provide affordable annotation services, enabling you to achieve high-quality labeled data through streamlined and cost-effective processes.



Extensive Industry Experience

Our experienced team ensures precise and dependable annotations, offering solutions customized to your project's goals, all delivered with a commitment to excellence.



Our Data Processing and Annotation Process

Data Annotation

Data Annotation is the process of adding one or more relevant labels on raw data to offer context so that AI model may learn from it.

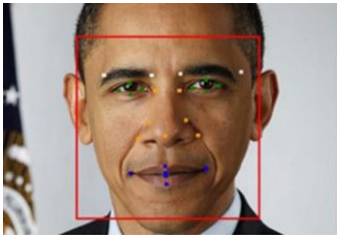


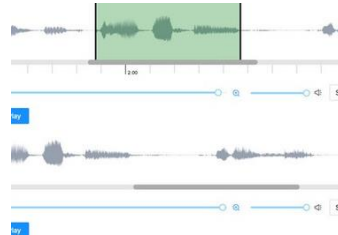
Image Based

Involves labeling for object detection, segmentation, localization, classification and facial recognition.



Text Based

Widely used in sentiment analysis, named entity recognition and question answering systems.



Audio Based

Provides context for training speech recognition, sentiment analysis, Chatbot development.



Video Based

Include real-time object tracking, segmentation, localization and activity recognition.

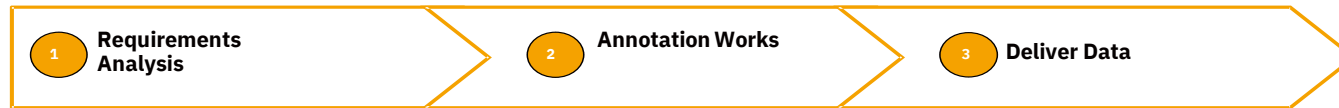


Point Cloud Based

Widely used in autonomous vehicles, robotics, augmented reality, and medical imaging.

Our Annotation Process

Data is one of the most valuable assets of a company. Labeling should be done with thorough planning to achieve desired insights.

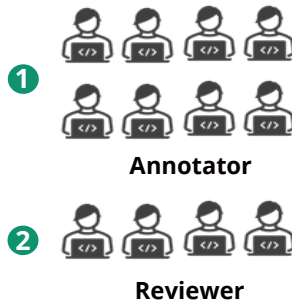


Representative person with AI knowledge supports the best annotation works with customers from determine requirements

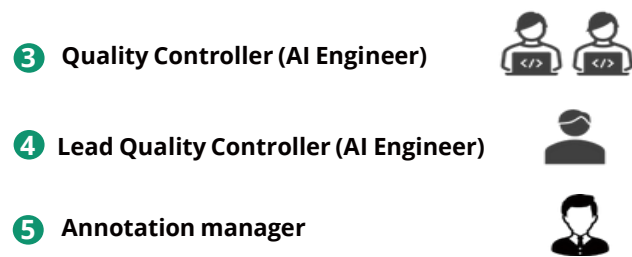


Annotation Manager

Professional annotator annotates the data and send to reviewer for best possible quality checking.



3 Layers of quality check for all volumes to make sure precise and reliable annotated data



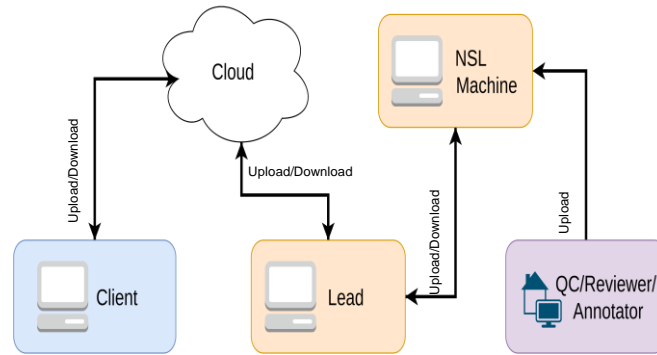
Our Secure Annotation Environments

At Next Solution Lab, we prioritize security and efficiency across all operational environments, ensuring our teams can work confidently while maintaining the highest level of data protection.

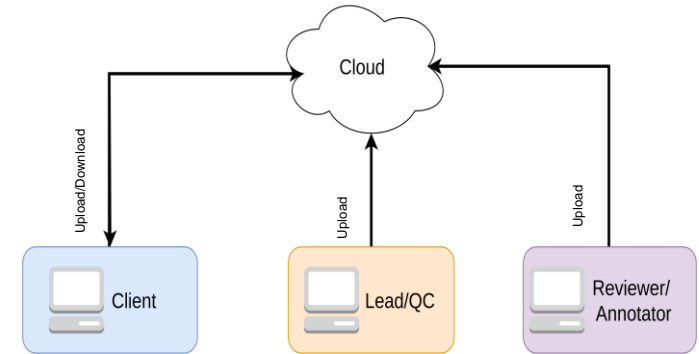
Secure Office Environment



Remote/Home Environment



Secure Cloud Environment

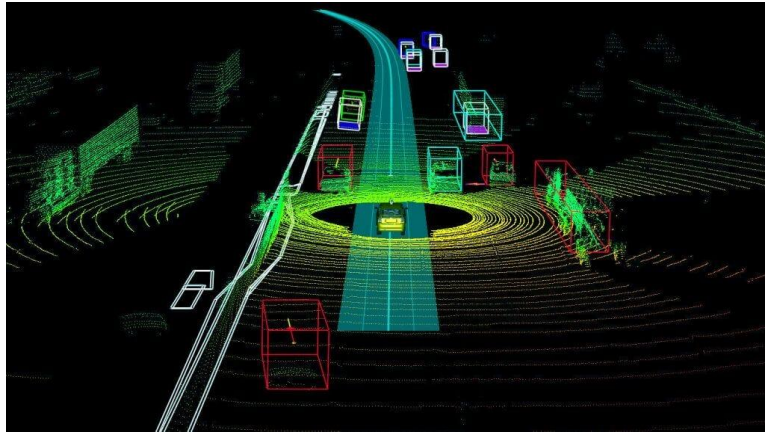




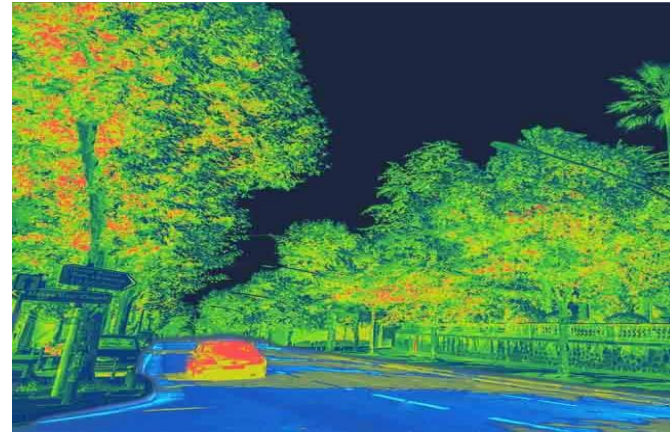
Our Point Cloud Annotation Capabilities

Point Cloud Annotation

Point cloud annotation involves the labeling of objects and features within a 3D space, enabling machine learning algorithms to recognize and understand the environment.



LiDAR & 3D Point Cloud bounding box Annotation



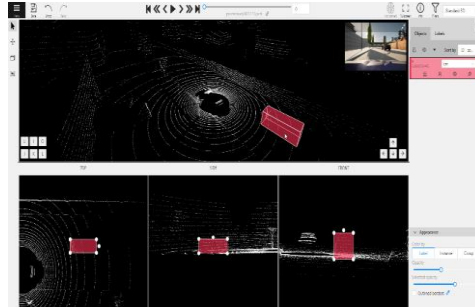
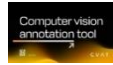
3D point cloud semantic segmentation

Tools We Recommend



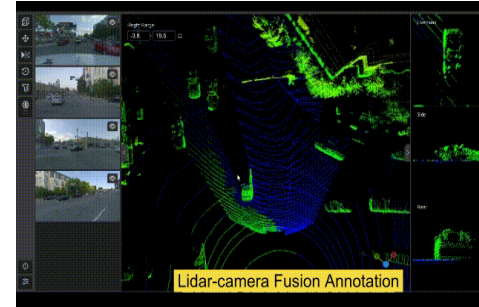
3D Bounding Box Annotation Toolbox(3D BAT)

A semi-automatic, web-based 3D annotation toolbox for full surround, multi-modal data streams.



Computer Vision Annotation Tool (CVAT)

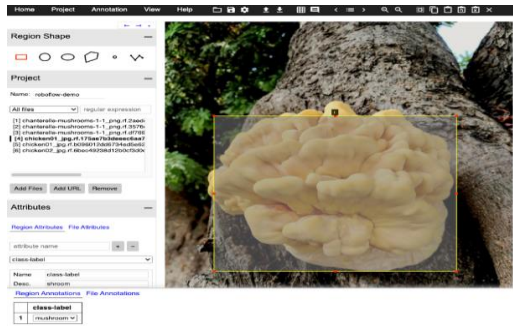
A free and open-source web-based image and video annotation tool developed by intel. It supports object detection, image classification, and image segmentation.



Xtreme1 Annotation Tool

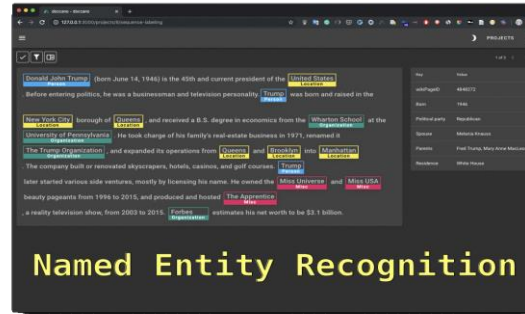
The platform's ai-fueled tools elevate your annotation for 2D/3D object detection, 2D/3D semantic/instance segmentation, and lidar-camera fusion like never before.

Tools We Recommend



VGG Image Annotator

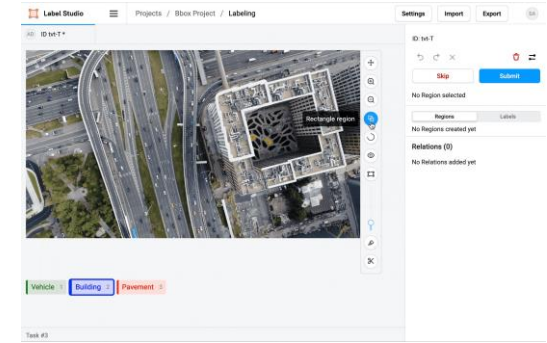
VGG Image Annotator is a simple and standalone open-source manual annotation software for image, audio and video.



Named Entity Recognition

Doccano

Doccano is an open-source data labeling tool. You can use doccano to perform different types of labeling tasks with many data formats.

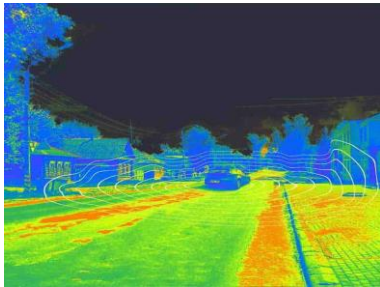


Label Studio

An open-source data labeling tool for audio, text, images, videos and time series with a simple and straightforward UI and export to various model formats.

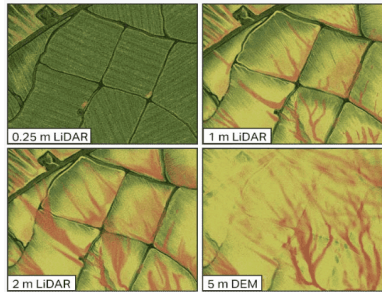
Top Industries We Served

The Data Labeling for point cloud annotation is catching up across industries, some industries have shown greater adoption over others



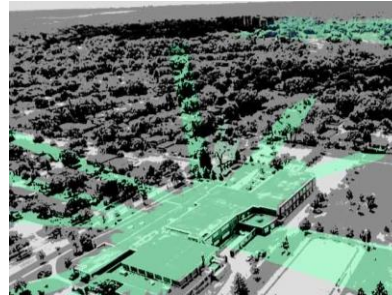
Autonomous Vehicle

Autonomous vehicle uses sensor cameras, Laser based lidar, and traditional 2D radar to identify objects and potentially threatening objects.



Agriculture

In agriculture, Lidar training data can be used to train machine learning algorithms to identify areas that require more water or fertilizer.



Government

It is used by intelligence agencies to secure a direct line of sight and clear built-up areas visited by high-risk category of people.



Robotics & Manufacturing

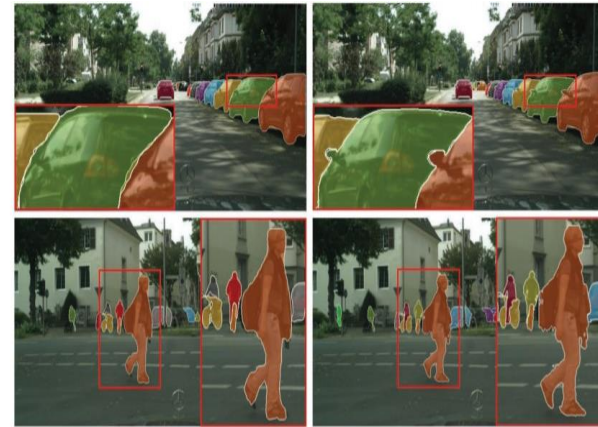
AI training data for robots is used in a broad range of industries ranging from technology to manufacturing and agriculture to healthcare etc.

Types of points cloud annotation

BOUNDING BOXES

Bounding boxes are best used for object tracking and object detection. Used for a variety of applications including autonomous driving, food system optimization and more.

- Achieve accurate placement with just two clicks with crosshair lines.
- Use state tracking for occlusion, truncation and overlapping objects.
- Create custom classes, multiple attributes per instance and hierarchical relationships.
- Power up your object tracking with ML Assist for faster high-quality annotations.
- Use ML-assisted or linear interpolation between frames.



USE CASES :

- Object Localization
- Object Identification

Types of points cloud annotation

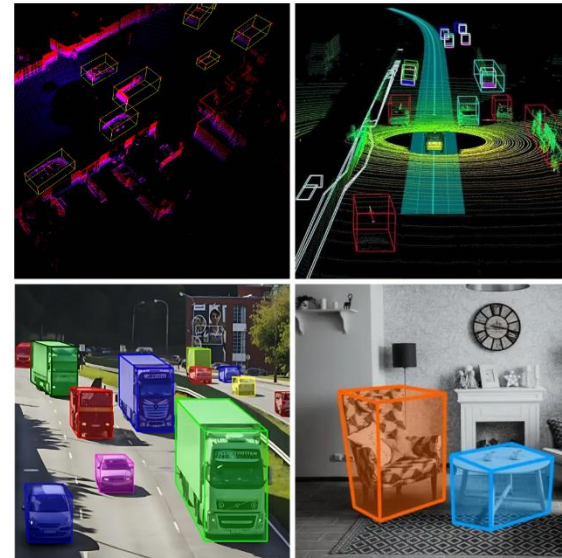
CUBOIDS

Detect the depth and height of your object of interest for vehicle and pedestrian identification, robotic movement and interior furniture placement.

- Apply cuboids in both 2D & 3D for a variety of mixed applications.
- Enable highly accurate 2D cuboids in just three clicks via our multi-click technology.
- Get support for custom classes, multiple attributes per instance and hierarchical relationships.
- Utilize linear interpolation between frames.

USE CASES :

- Precise Edges Detection
- Object Localization
- Depth and Height Detection



Types of points cloud annotation

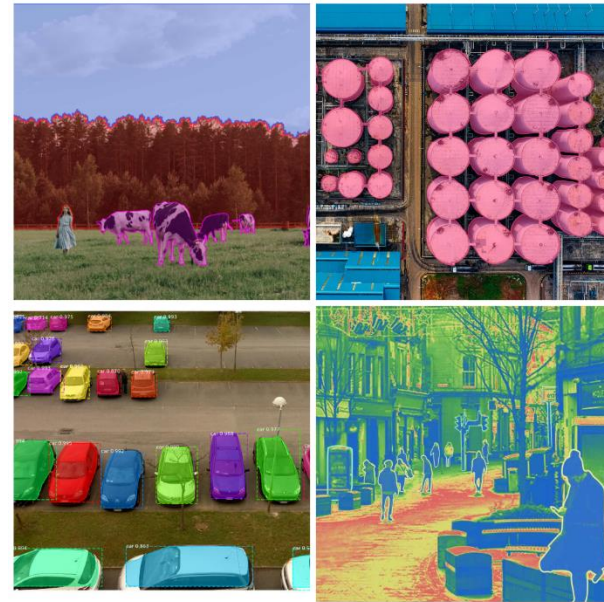
POLYGONS

Polygons are best for applications when a more precise definition of an object's boundaries are needed such as vehicle detection, crop identification and more.

- Apply ML-assisted annotation for polygon for auto-annotation.
- Use grouping and layering for similar objects.
- Engage quick editing tools for adding and removing points.
- Create custom classes, multiple attributes per instance and hierarchical relationships.
- Utilize linear interpolation between frames.

USE CASES :

- Precise Edges Detection
- Panoptic Images
- Object Identification



Types of points cloud annotation

KEYPOINTS & POINTS

Key-points are best for motion tracking, facial landmark detection and hand gesture recognition as they track the movement of individual objects.

- Configure any custom key-points shape including skeletons, hands and eyes in a repeatable pattern for consistent results.
- Landmark important features using points.
- Get support for custom classes, multiple attributes per instance and hierarchical relationships.
- Utilize linear interpolation between frames.

USE CASES :

- Motion Tracking
- Facial Landmark Detection
- Hand Gesture Recognition



Types of points cloud annotation

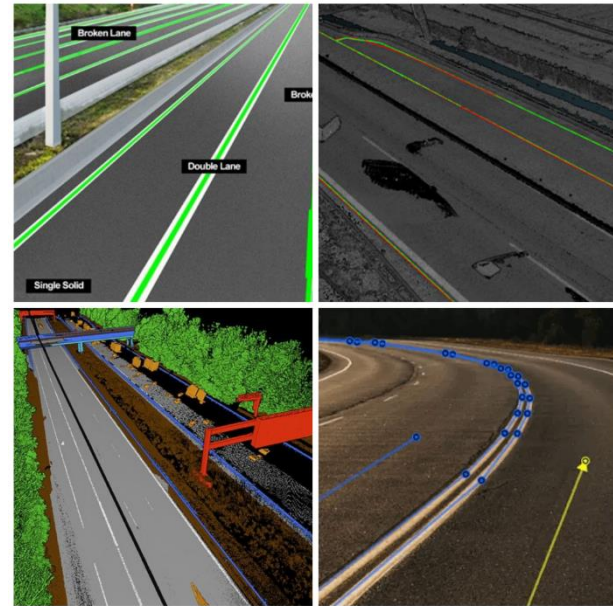
LINES & ARROWS

Lines and arrows are useful for understanding things like lane marking and traffic patterns, identifying buildings in a city and table line segmentation

- Outline object boundaries with lines for clear edge identification.
- Highlight directional indicators with arrows.
- Get support for custom classes, multiple attributes per instance and hierarchical relationships.
- Utilize linear interpolation between frames.

USE CASES :

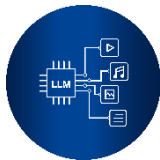
- Object Localization
- Object Identification
- Line Segment Detection



OUR EXPERTISE AT A GLANCE



Web & Mobile Application



Generative AI and LLM



Artificial Intelligence



Testing Service



Staff Augmentation



Data Annotation



Robotics, IOT R&D



Digital Marketing



Thank you!

Feel free to reach out to us if you have any queries.

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