



Orboroi
www.orboroi.com

Empower your machine learning



We build cost-effective offshore dedicated teams for growth companies to train client's machine learning algorithm with enriched and quality data.

Our center of excellence for annotation services with dedicated teams ensures that the core elements of our delivery are implemented and properly managed for all annotation assignments in production.

We recruit full-time team members in Bangladesh who work as an extension of our client's team.

Services We Offer

Image Annotation

Our image annotation solutions empower your computer vision models to interpret and process visual data to meet your project's needs.

Video Annotation

Our video annotation solutions extract intelligence from video by annotating objects in each frame and helping models identify them.

Text Annotation

Our text annotation solutions help you create datasets to train NLP algorithms for solutions like sentiment analysis, speech recognition and chatbots.

Audio Annotation

Our audio transcription solutions transcribe your speeches, interviews, court proceedings, patient sessions or other audio recordings into text. Improve, calibrate or develop your voice-enabled applications.

Content Moderation

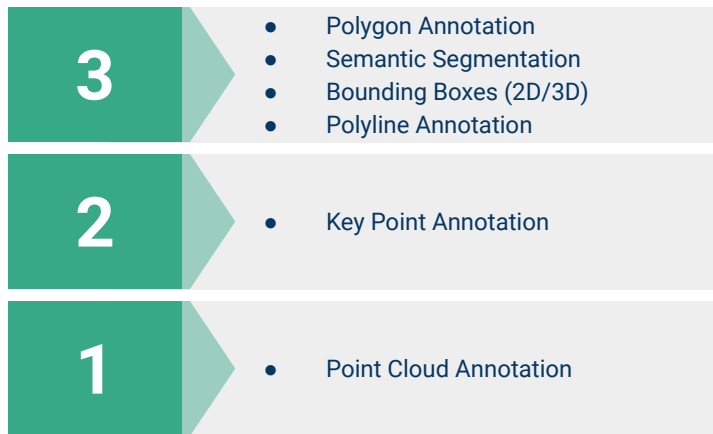
Our content moderation solutions will ensure that community guidelines are met/enforced to maintain your platform a safe environment for your users to interact with.

Product Categorization

Our product categorization solution enriches the datasets/attributes for products in your ecommerce solutions in order to improve search relevance and user experience.

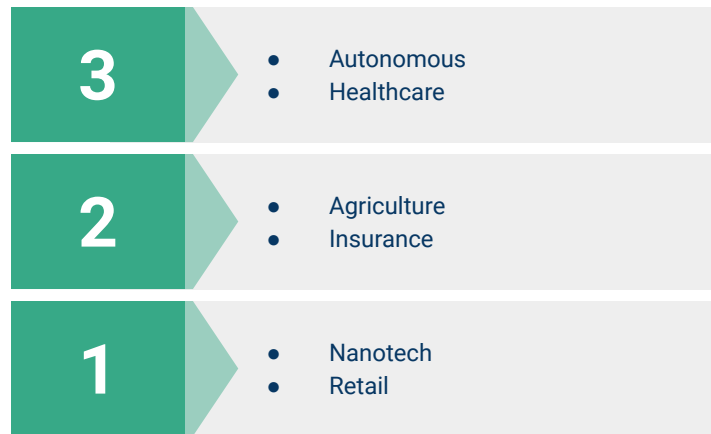
Our Capabilities

Annotation types:



1 = Basic, 2= Intermediate & 3 = Advanced

Verticals & Industries:



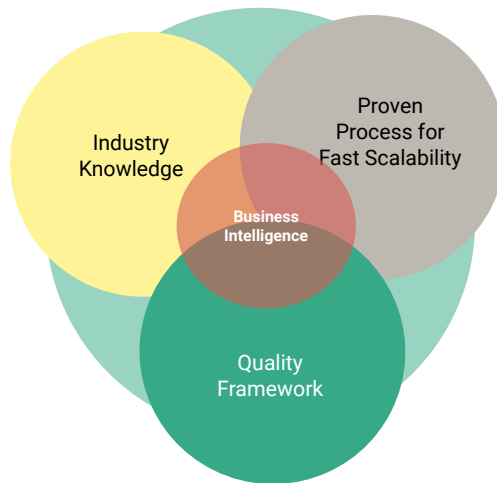
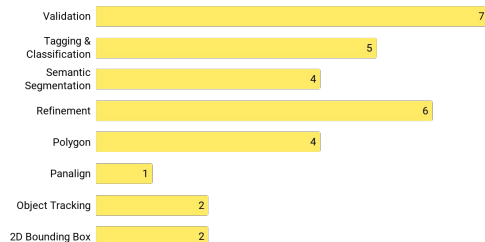
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Why Orboroi?

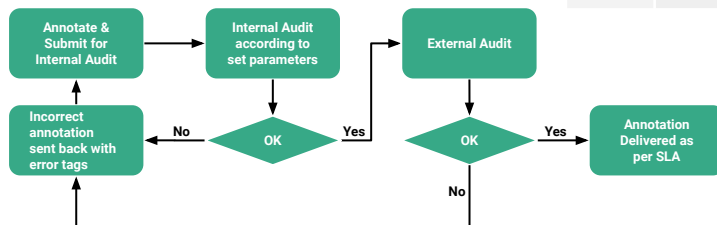
- Team members with 3+ years experience deploying multiple annotation projects.
- Management with long experience from BPO and managing large projects.
- Completely managed with dedicated account managers to ensure smooth operations.
- End-to-end solution for our client's training dataset needs, from data collection and cleaning to data annotation
- Ease of scaling
- We have a two layer QC process that ensures the quality of the output. This is enabled by a short feedback loop process.

Value Proposition

of completed projects



Types of training	Description of activities	Applicable for	Frequency
Team huddle	Provide general feedback and exchange suggestions, align on any change in instruction	All members	Weekly
Individual feedback	One-on-one meeting with team members to find out reasons behind not reaching the set benchmark and exchanging suggestions and ideas for improvement with follow-up	All members	Daily/ Weekly
Quiz	General/specific quiz on annotation	Annotators	Monthly
Mock test	Annotation test for practice and assessing knowledge, efficiency and skill	Annotators	Monthly
Case studies	Samples of previously completed complex annotation for guidance on how to deal with similar cases in the future	Annotators	Monthly
Workshop	Designed for specific areas based on weekly audit reports	Annotators	Monthly

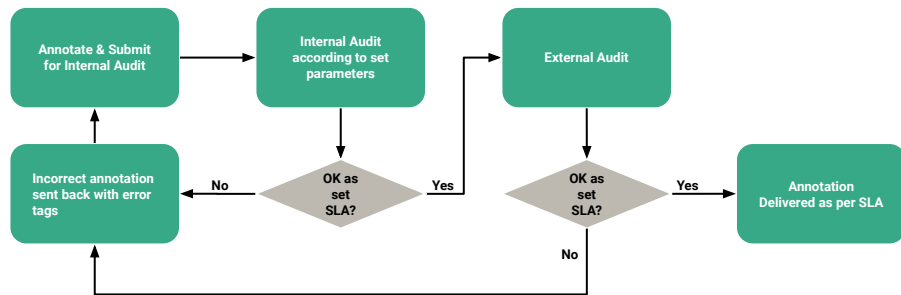


Why Orboroi?

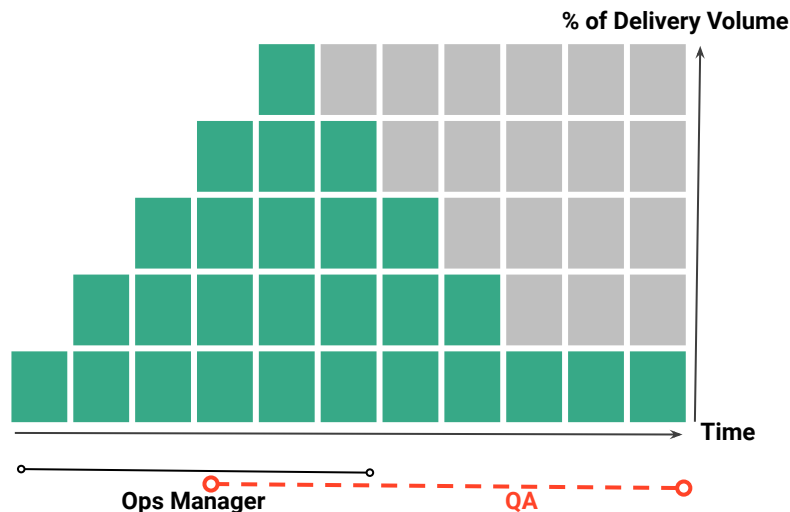
Completely Managed	Scalable Workforce	Data Security
Completely managed with dedicated account managers to ensure smooth operations	Start with a single person and grow with us. We scale up your team based on your demands.	Data security is of paramount importance. We are GDPR compliant and follow ISO 27001 controls.
Optimized for Quality	End to End Solutions	Cost Efficient
QC process with short feedback loop that ensures the quality of the output.	End-to-end solutions for your training data needs, from data collection and cleaning to data annotation.	We are more cost efficient than contract workers.

Quality Process

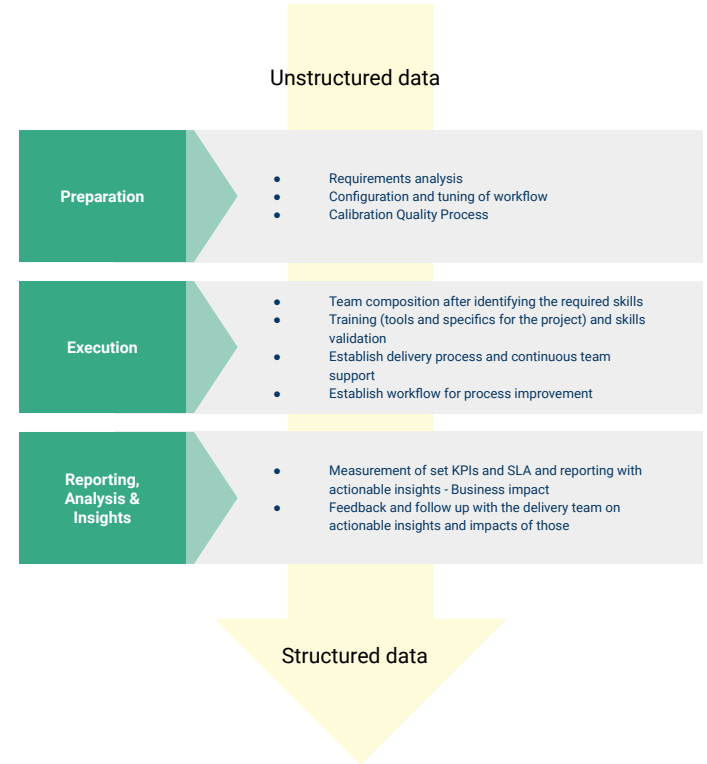
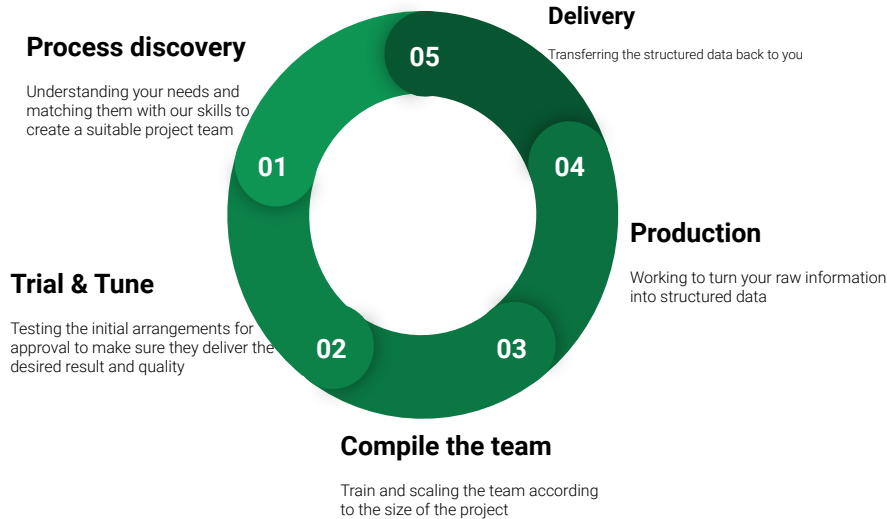
- We have a set QA process but can be aligned with client's quality process.
- QA reports are visualized through dashboard where the client has access to live data to check whether we are meeting the set SLA or not.



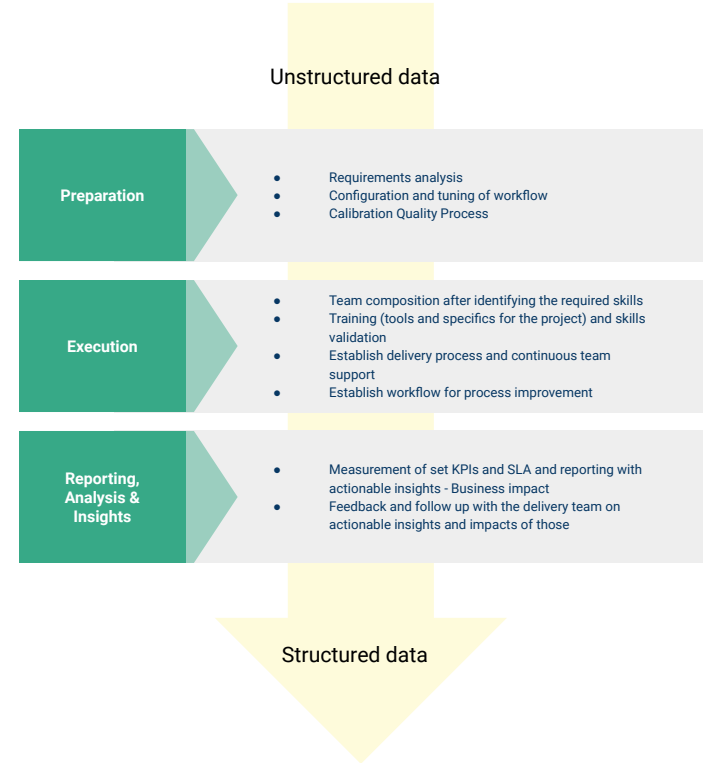
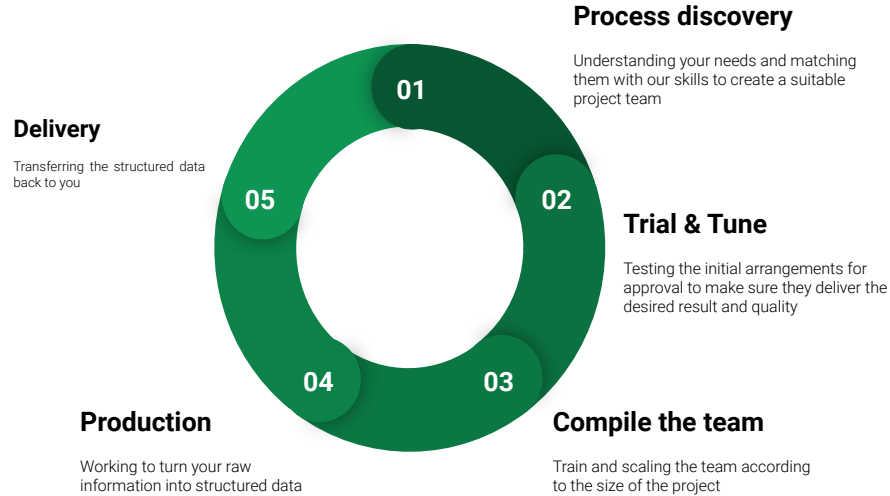
- QA depends on the nature of annotation task. We always check 10% of the works through random samples.
- Common KPIs used in different projects to assess quality are precision, mislabel, missing segmentation, Z ordering, gap/un-annotated pixel (for Segmentation) and track precision (for Object Tracking).



Delivery Process



Delivery Process



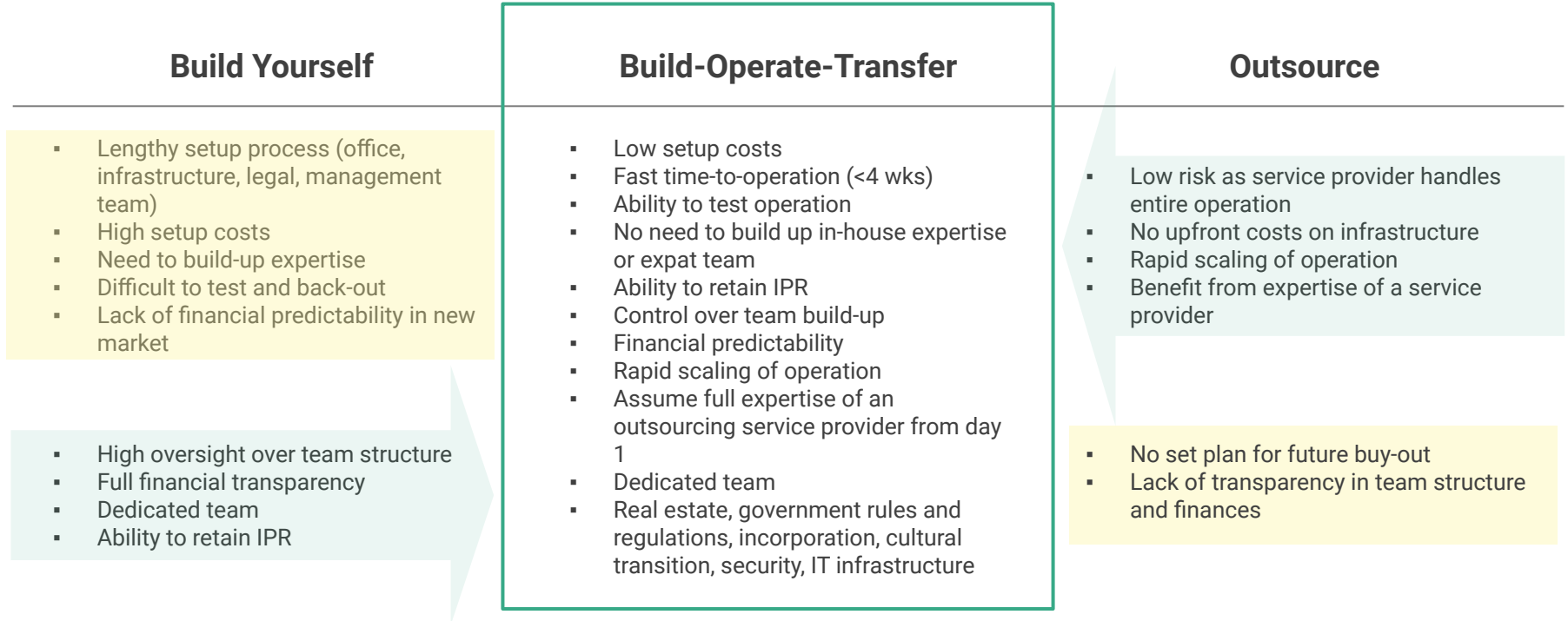
Workflow and Communication



Data Security

Workforce	▪ All staff sign NDAs ▪ Data security and confidentiality training ▪ Documented policies: passwords, data security and data breach ▪ Password controlled access to all workstations and managed user-rights
Physical Security	▪ 24/7 security guards at premises ▪ No removal of workstations from premises without permission ▪ Controlled access to servers ▪ Empty desk policy
Digital Security	▪ Antivirus and firewall installed on all workstations ▪ Quarterly meetings with ISPs to review internet traffic and logs ▪ Only necessary individuals have access to client data and files ▪ Upon request, workstations can have USBs and internet restricted/deactivated

BOT model combines best of both worlds



Build-Operate-Transfer (BOT) Model Supports Business Drivers

Lower time-to-operation	Low risk and easy to pilot	Focus on innovation and remove distractions
The client does not need to build up in-house expertise, relocate expat team, build up infrastructure, manage legal affairs, etc. Initial team can be setup in as little as 2 weeks.	By working with existing service provider, it is possible to trial the collaboration and available skillsets with an initial team through a classic managed service model.	In-house teams can focus on innovation, while annotations for training the AI are handled externally.
Flexible team structure aligned with business roadmap	Reduced total cost of ownership	Higher ROI
The offshore team can be arranged as required by business needs and be can scaled up or down as required.	Setup fees are minimized since Orboroi has existing setup, and overheads are kept low. There is no need to tie up large amounts of capital for infrastructure.	In-house team can focus on core competencies, and offshore team can be shared among client's different entities or departments.

Common Concern Mitigation when choosing BOT

Quality	Security	Legal security and IPR
Orboroi will run a trial period with a limited number of resources to prove quality of work for the client.	- Orboroi and affiliates have both data and physical security policies and plans to adhere to government and client regulations. - Further steps can be taken to meet specific security standards.	- Orboroi already employs perhaps the most well-known and professional legal firm in Bangladesh that manages legal affairs with several large foreign internet and IT companies. - Intellectual Property Rights will stay with the client.
Time zone difference	Connectivity	Transparency
- Bangladesh is only 4 hours (summer time) or 5 hours (winter time) ahead of for example Sweden. - Bangladesh team can work on two or three shifts providing up to 24/7 operation.	Offshore team will be equipped by professional internet and IT infrastructure of Swedish standards.	- Team members will be dedicated full-time. - Team management will be dedicated full-time.

Financial Model for BOT

Trial Period

- Team is built up within Orboroi's current operating framework
- Resources are billed at xxx per resource per month
- Client can end arrangement with one month notice with resource reduction at ten resources per month

Build, Operate & Transfer Phase

Option 1: Incubated Entity to Transfer

- Client's team placed under separate legal entity
- Orboroi manages client's team and charges management fees up until transfer
- Transfer price determined by pre-determined annual revenue multiple

Option 2: Managed Service to Transfer

- Orboroi manages client's team as a service provider charging through Time & Material (rate per resource per month)
- A separate legal entity is setup before the time of Transfer
- Transfer price determined by pre-determined annual budget multiple

Financial Model for Dedicated Team

- Dedicated team of analysts - work as an extension of your in-house team
- Operations Manager to support with onboarding, change management, day-to-day management
- Quality Assurance Analyst to check samples of work
- Vacation days and sick days covered or deducted from billing
- All management overheads and equipment included
- Direct communication with analysts and manager



Thank you