

Human-in-the-loop AI training

Nash
Tech.

Power your artificial intelligence (AI) and machine learning (ML) projects with high-quality, compliant and scalable AI and ML model training data

NashTech human-in-the-loop AI training services combine expert human validation with generative AI (GenAI) powered automation to provide multilingual data preparation, annotation, labelling and rigorous output validation. Also known as 'reinforcement learning human feedback (RLHF)' or simply 'human-in-the-loop' (HITL), this service ensures your AI models are trained with accurate, bias-free datasets across more than 28 languages, meeting the highest industry standards.

AI models are only as good as the data they are trained on. HITL ensures accuracy, mitigates compliance risk and accelerates time-to-value by addressing the "garbage in, garbage out" problem that causes 78% of AI projects to fail.

We help our clients achieve more than 98.5% accuracy, up to 50% cost savings and scalable support from our Centre of Excellence in Vietnam. Our blend of skilled professionals and generative AI (GenAI) powered tools ensure quality, compliance and rapid scalability for global enterprises.

Eliminate unreliable AI outputs



Poor data quality and model bias

Many organisations struggle with inconsistent, incomplete or biased training data leading to unreliable AI outputs. Without expert human review, automated systems can perpetuate errors and bias.



Scalability bottlenecks

Manual data labelling and annotation cannot keep up with the scale required for modern AI/ML projects, delaying time-to-market by 6-9 months.



Compliance and regulatory risks

Increasing scrutiny from regulations like GDPR and the EU AI Act means AI training data must be ethically sourced, validated and auditable. Manual compliance is costly and error prone.



Multilingual and domain-specific needs

AI models often require training data in multiple languages or specialised domains, which is difficult to source and validate without a global, skilled workforce.

Case study:

Global technology leader powers eCommerce success with scalable AI/ML model training

Industry: Information

This global technology company partners with NashTech to audit and enrich millions of product listings for its eCommerce services in 28 languages. Our team delivers over 99% data accuracy, surpassing the client's 98.5% target. We have also enabled scalable AI/ML model training. This resulted in improved customer trust and fostered significant revenue growth for our client.

- **Hundreds of millions** data points audited and enriched in 28 languages
- **99%** data accuracy rate consistently exceeds client's 98.5% target
- **AI/ML model training** delivered at global scale to drive significant revenue growth

Assure accuracy, compliance and continuous improvement



GenAI-powered pre-annotation, manual expert review

Support global AI initiatives with high quality data. Our services ensure you achieve more than 98.5% accuracy across more than 28 languages.



Human-in-the-loop validation

Meet GDPR/EU AI Act standards with our highly skilled professionals and workflow management tools ensuring bias detection, accurate outputs and ethical compliance.



GenAI and robotic process automation (RPA) integration

Automate up to 70% of routine tasks such as data cleansing, pre-labelling and anomaly detection and enable human experts to focus on complex or ambiguous cases.



Rigorous quality assurance and KPI monitoring

We use KPI dashboards and continuous feedback loops to maintain higher than 99% accuracy, provide audit trails and drive continuous improvement.

Cut AI model training cycles by up to 40%

Meet demand for rapid, reliable AI deployment. NashTech human-in-the-loop AI training services provide you with the resources and expertise to ensure your organisation's AI initiatives are successful at global scale.

- **Faster speed-to-market**
Automation and expert validation cut AI model training cycles by up to 40%, accelerating deployment and innovation.
- **Superior data quality and model performance** 98.5-99.9% accuracy in training data improves AI reliability, reduces rework and enhances business outcomes.
- **Balanced innovation and risk mitigation**
End-to-end compliance, bias detection and auditability ensure ethical, trustworthy AI, reducing regulatory risk by 90%.
- **Scalable, cost-effective operations**
Up to 50% cost savings through offshore delivery and automation, freeing resources for core innovation.
- **Enhanced user and customer experience**
High-quality, multilingual datasets enable AI solutions that deliver better customer engagement and satisfaction.

Specific BPM use cases for the dynamic digital economy

Our specific use cases demonstrate our expertise in combining human intelligence with artificial intelligence to optimise processes and drive business value.

- **Intelligent data management.** Combine manual processes with GenAI enhancements to achieve up to 99% data accuracy while reducing operational costs by up to 50% with comprehensive data collection, validation and master data management services.
- **AI-powered customer service.** 24/7 omnichannel support enhanced by AI chatbots and natural language processing.
- **Digital content management and eCommerce support.** Our services include product data validation, image quality assessment and virtual retail experiences AI optimisation.
- **Intelligent process automation for finance and HR.** We deploy GenAI, RPA and machine learning to automate and modernise legacy systems in finance and HR processes.
- **Compliance and risk management.** End-to-end AI auditing and ethical AI certification supporting compliance with regulations like GDPR and the EU AI Act.

Contact us

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