



AI IN MANUFACTURING

AI SERVICES INDUSTRY

Core competence

- Data science, Machine Learning & Deep Learning Modeling services
- End-to-end AI Applications development capabilities
 - ML Application development
 - Computer Vision Application development
 - NLP Application Development

Pi Tech Services

- [Data-labeling services](#)
- [Custom AI Application](#)
- [Chatbot services](#)
- ML Model development, optimization & deployment services
- Micro-architecture services
- Cloud deployment services
- [AI Staffing Services](#)

Why Pi Tech?

- Cost-Effective (Reduce cost by 2x, Zero start-up cost)
- A dedicated & highly talented Data Science team comprising of 20+ members
- State-of-the art AI Infrastructure
- Bright delivery record as per the industry standards
- Leadership team holds over 25+ years of industry experience in total

- Predictable downtime, Notification & Alerts using [CLARITY](#)
 - Measure various sensor parameters; Production Time, Idle Time, Changeover Time, etc. using ML Modeling
 - Predictive actionable alerts
- Overall Equipment Effectiveness (OEE)
 - Availability, Performance & Quality using ML analysis
- Comprehensive factory information
 - Data management, Data Analysis & Data Grading
 - Work Study & Time Study in the production line using Computer Vision & Automated Action Detection
 - Asset Management in factories using CCTV cameras
 - Automated Attendance & people management system
 - Parts quality check using Computer Vision
- Machine vision application for production fault detection
 - Defect Detection, Classification & Segmentation using Deep Learning models (DL)
- Safety Analysis for the workers
 - Helmet detection & apparel detection
 - Face mask detection, etc.
- Data pre-processing using [ADVIT](#)
 - Data labeling, data upscaling & data augmentation
 - Real-time statistical distribution of the data
 - Automated data labelling using Deep Learning
 - Data mapping tool for ML/DL data preparation
 - Data security & Encoding

FEATURES

- Automated ML model selection
- Continuous model evaluation
- Automated evaluation matrix identification for the models
- Result analysis and ML model retraining
- Productionize
 - ML model deployment on the edge devices
 - Easy deployment using Restful APIs
 - On-prem & Cloud deployment

Contact Information

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