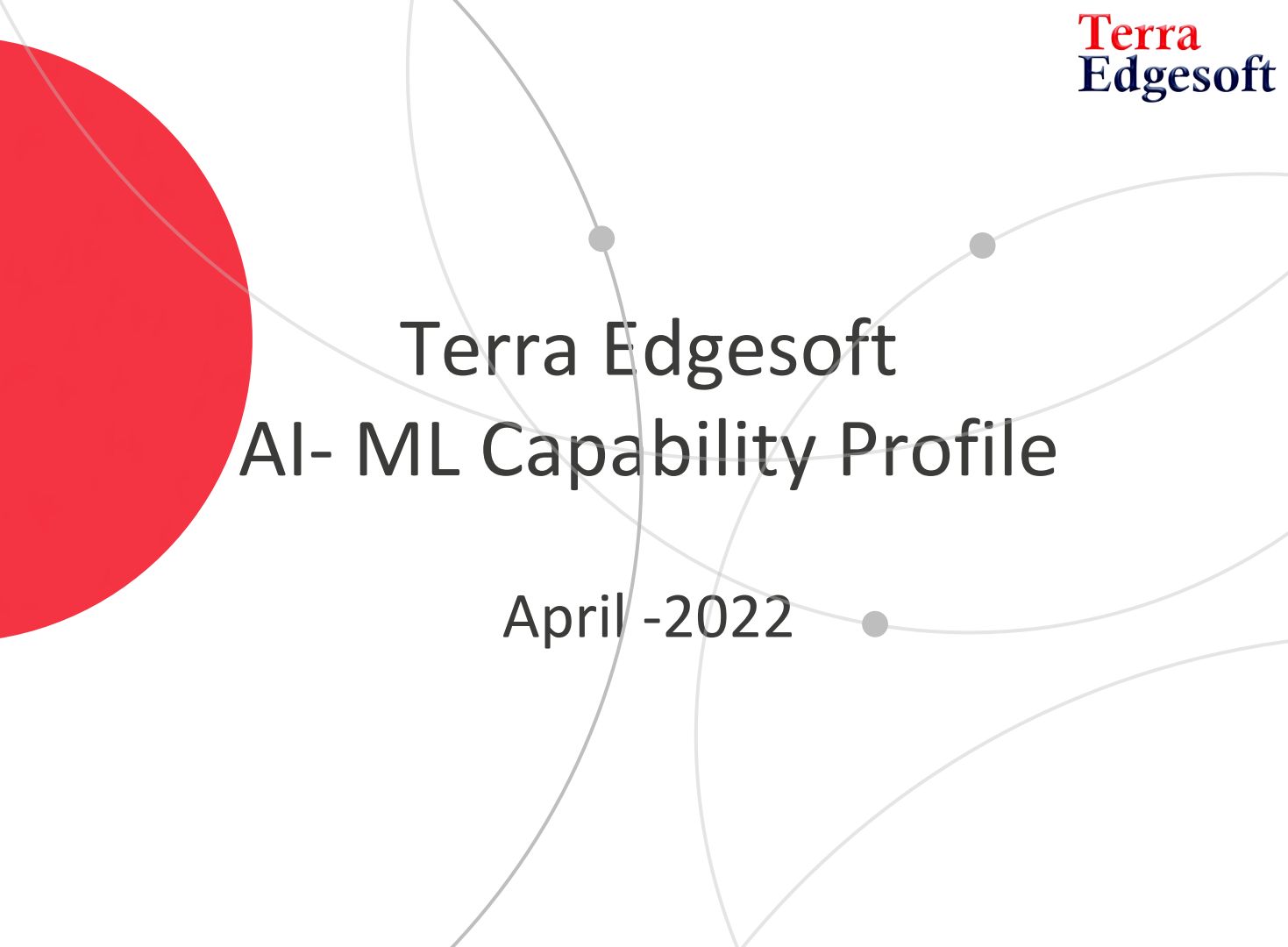


Terra Edgesoft AI- ML Capability Profile

April -2022





About Us

“Terra Edgesoft provides customised bespoke Applications & Network Services for automation of processes & systems in the field of IT & Telecom”

Core Competencies

Concept, Design, Development

- Telecom Services
- Enterprise Requirements
- AI/ML/NLP Solutions
- Telecom Cloud Module Requirements
- Enterprise Cloud Services Delivery

Development / Deployment

- Software Projects Customisation, Delivery
- Integration
- Testing / Handover
- On Premise Deployment
- Cloud Deployment

Migration & Support Services

- Network Optimisation
- Performance Optimisation
- CI/CD
- DevOps Services
- Upgrade, Monitoring and Stabilisation

Upgrade & Maintenance Services

- Swap
- Phase wise Enhancement
- Feature Addition
- Technology Migration



Global Presence

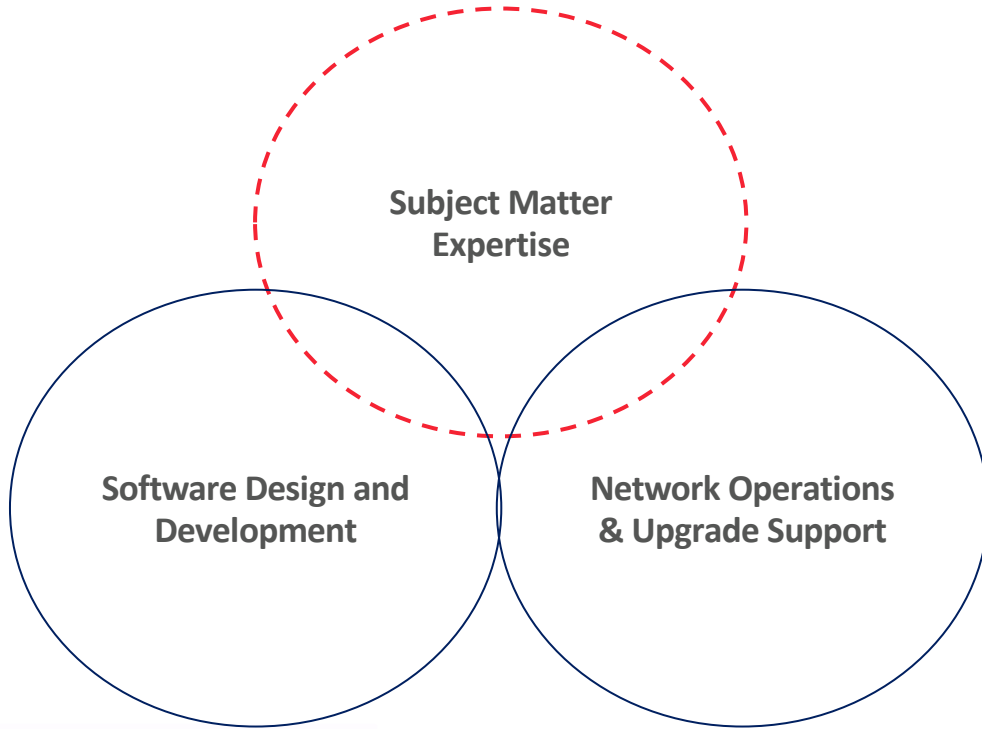
- **Terra EdgeSoft Office**

- Terra EdgeSoft Private Limited, India, UAE
- Simplex Solutions Private Limited, Japan, India, USA

- **Business Associates / Representatives**

- Middle East/North Africa :Dubai, Oman, Afghanistan, Tanzania, Egypt, Kenya, South Africa, Nigeria. Congo(DRC), Senegal, Kenya
- North America : Canada, USA
- Asia / Pacific : Sri Lanka, Bangladesh, Nepal, Myanmar
- Australia/ NZ : Australia
- UK & Europe

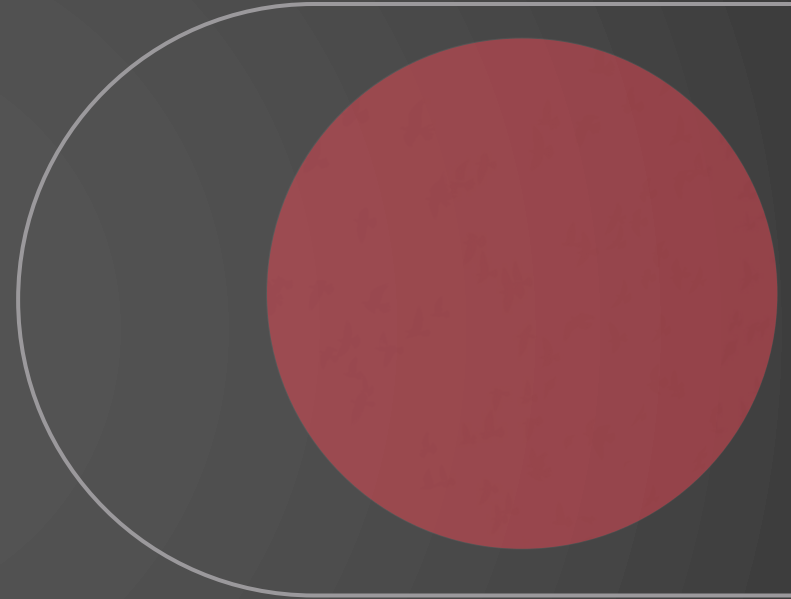
Terra EdgeSoft Offerings



Value Proposition

- **Local sourcing of Resource** : Continuity and Local Network Knowledge
- **On going operations across various geographies.**
- **Flexible Model of engagement** : Time Based/
Task
Based/ Consulting Services/ Program management
- **On Site/ Off Site services Model** : Resulting in Ontime, high quality & Cost-efficient services delivery.
- **Resource ramp up / down as per the project demand.**

Software Services and Development Centre Capability



About Our AI Group

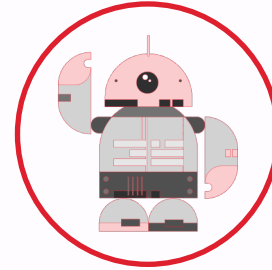
At Terra Edgesoft our AI – ML – NLP Group is focused on carrying out basic research and create platforms which are benchmarked against existing references. We have team of expert mathematicians, researchers and software scientists to address client need



Professional Services



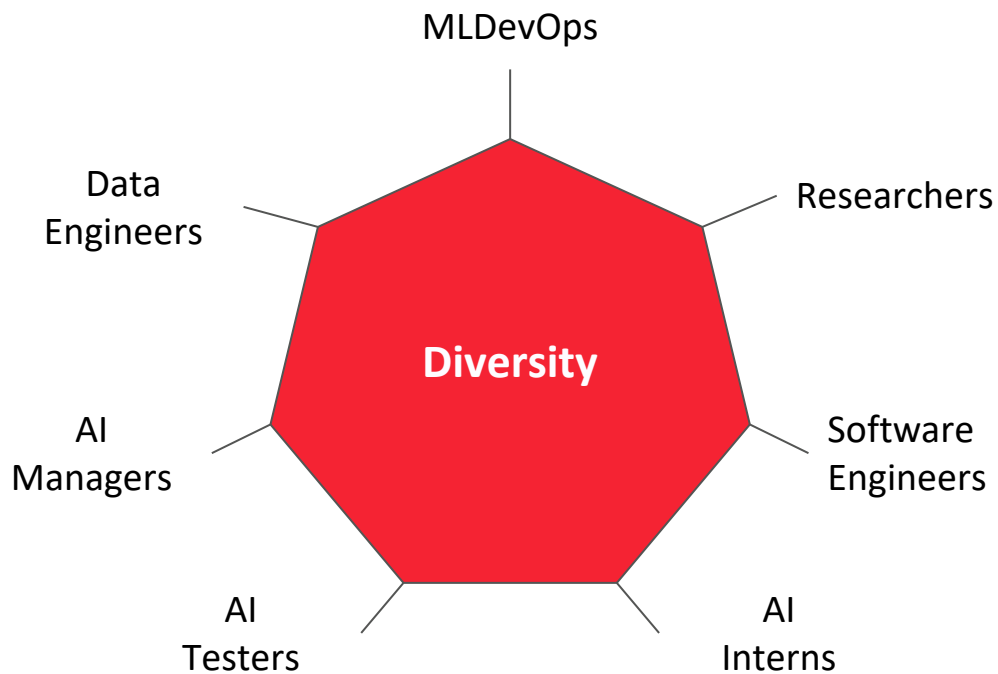
Software
Customisation /
Service Development



AI/ML Analytics /
Consulting

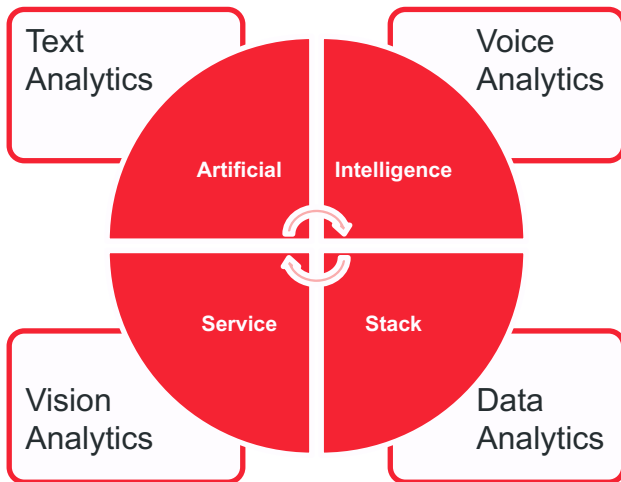
Expertise – Efficiency - Flexibility

Team Background



Experience	1 to 10+
Foundation	100% Masters, 30% PhD
AI Skills	Data Collation, Conventional Machine Learning, Deep Learning, Interpretations, Model Serving and Visualization
Language	Python, R, Java, SQL and Matlab
Cloud	AWS, GCP and Azure
Cloud AI	Google Cloud AI, Azure AI and AWS AI
Distributed	Hadoop and Spark

Offerings & Benefits



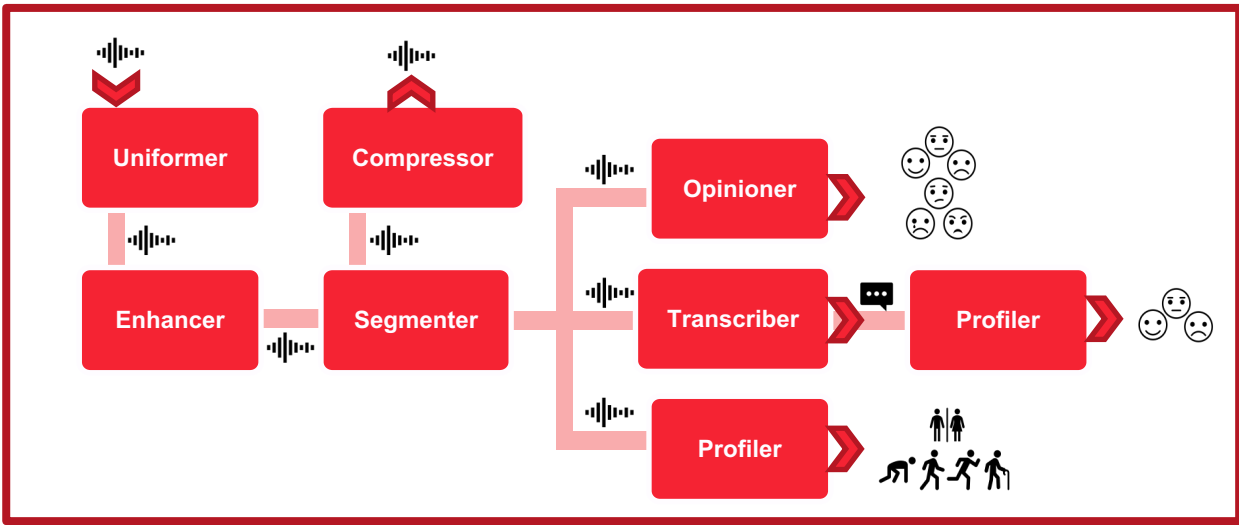
Unstructured
Data

AI Service
Stack

Structured
Information

- Deliver Structured data from any kind of Unstructured Data (Text, Audio, Image, Video and Numbers).
- Optimize the development and deployment time for early go-to-market.
- Serve benchmarked models easily on any infrastructure of choice.
- Effortlessly customize model.
- Easy Integration with Plug-and-Play Microservice APIs.
- Always stay ahead with model's continuous learning and training capabilities.

Voice-in-Sights



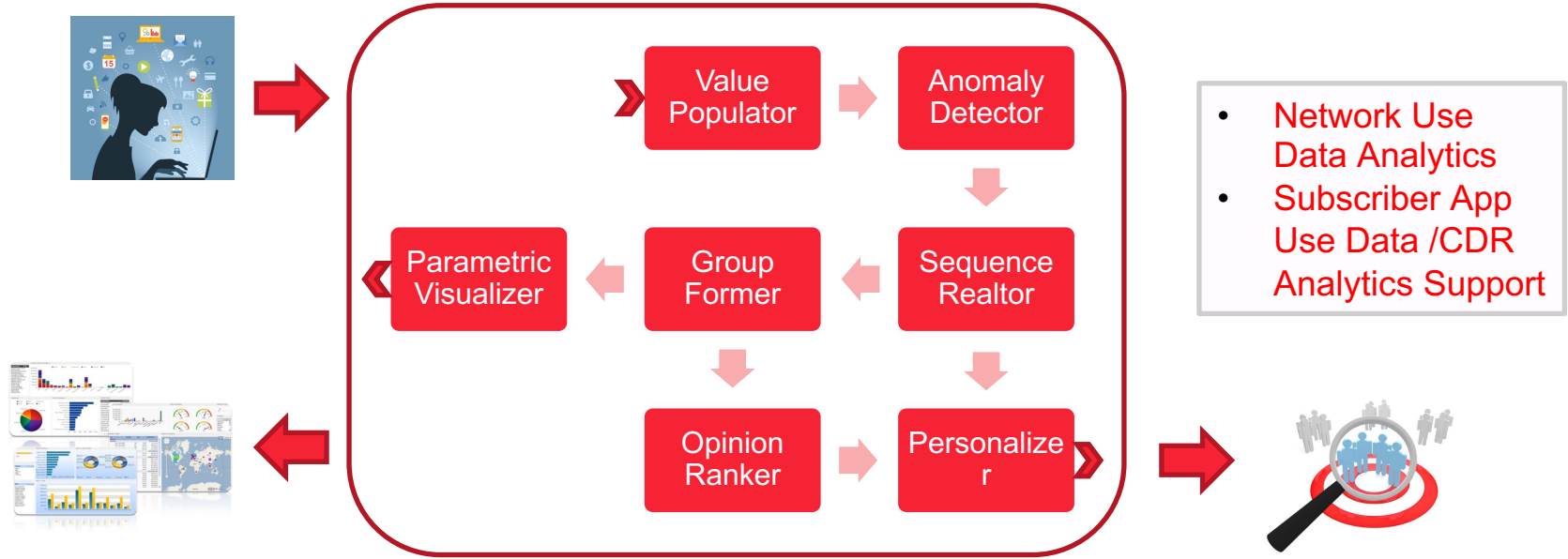
Unstructured Data

AI Service Stack

Structured Information

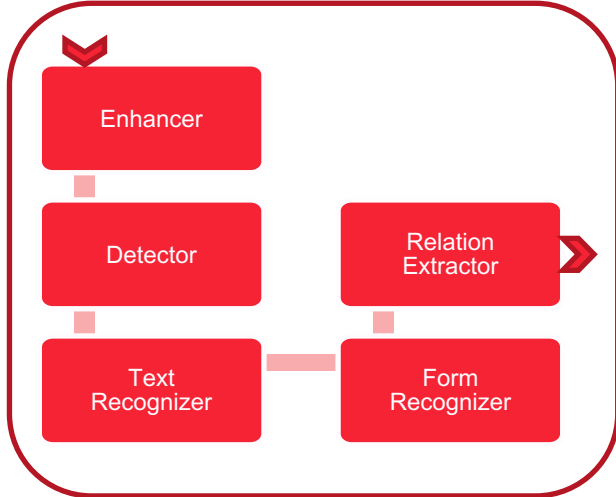


Log-in-Sights



Unstructured Data > AI Service Stack > Structured Information

Form-in-Sights



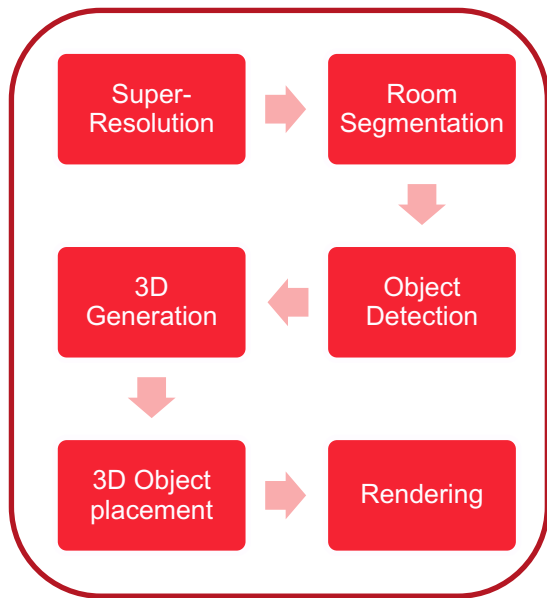
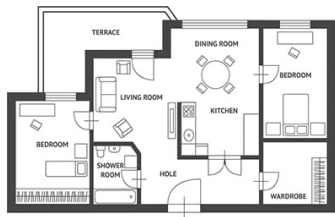
	CommArea_Name	CommArea_Num	Area_KM	community_area_clean
1	KENWOOD	39	2.700750	Rogers Park
2	LINCOLN SQUARE	4	6.628739	West Ridge
3	HYDE PARK	41	4.190262	Uptown
4	WOODLAWN	42	5.370997	Lincoln Square
5	ROGERS PARK	1	4.762104	North Center
6	JEFFERSON PARK	11	6.026453	Lake View
7	FOREST GLEN	12	8.280517	Lincoln Park
8	NORTH PARK	13	6.529976	Near North Side
9	ALBANY PARK	14	4.974190	Edison Park
10	PORTAGE PARK	15	10.237543	Norwood Park
11	IRVING PARK	16	8.325097	Jefferson Park
12	DUNNING	17	9.624357	Forest Glen

Unstructured Data

AI Service Stack

Structured Information

FloorPlan-in-Sights

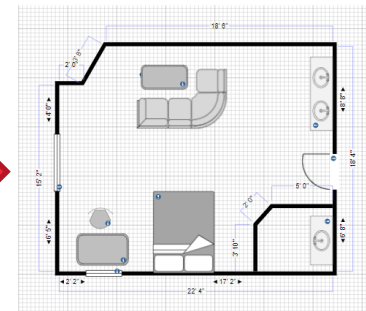
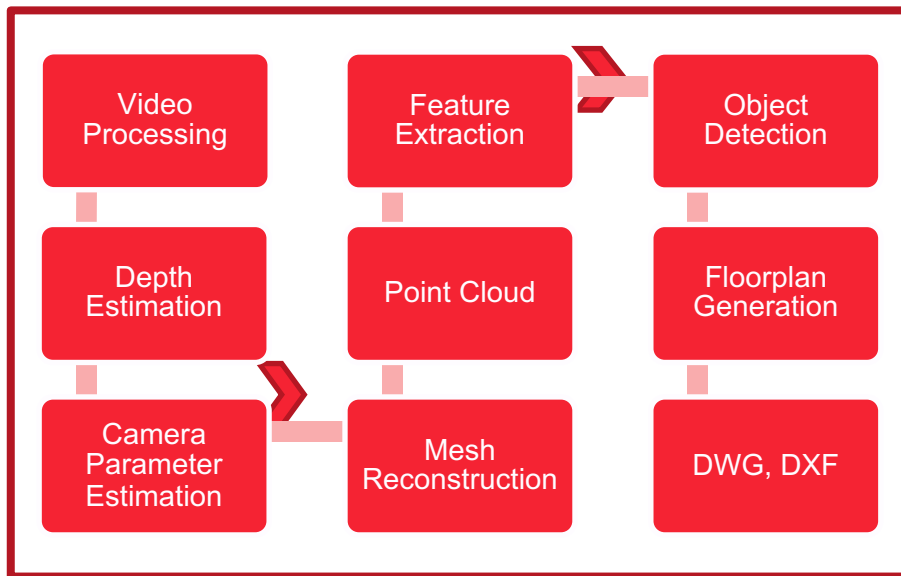


Unstructured Data

AI Service Stack

Structured Information

PointCloud-in-Sights



Unstructured Data

AI Service Stack

Structured Information

Data Analytics and Data Science -Domain Knowledge

Domain	Tasks	Applications
Text	Text Classification	Sentiment Analysis, Intent Classification
	Named Entity Recognition & Relation Extraction	Information Extraction, Data Augumentation
	Text Classification, Named Entity Recognition & Relation Extraction	Chatbots, Question Answering systems
	Text to Text	Type a head, Grammer Correction, Decoder for OCR & Speech to Text, Machine Translation
Image	Image Classification	Face , Form layout , Cheque type , Form type identification, Emotion Identification
	Object Segmentation	Separation of floors, Separation of backgrounds
	Object Detection	Geometrical Shape , Machining feature, Number plate, Face Detection, Floor Plan , Pose Estimation
	Image to Text	Handwritten and Printed Text Recognition
	Image to Image	2D to 3D imaging, Video to Point Cloud Conversion
Speech	Speech to Text, Speaker Diarization	Extract text from the speech signals
	Text to Speech	Generate Speech Signal from the text
	Speech Classification	Sentiment and Emotion Recognition, Speaker Recognition, Key Word Spotting
	Speech to Speech	Noise Removal, Voice Cloning
Numeric	Recommendation System	Recommendation Engine
	Visualization	Data Visulaization, Inference Justification, Feature Importance
	Sequence Analysis	Fraud Detection, Anti Money Laundering, Stock Market Prediction, Vibration Analysis



Partial List of Customers

Thank You