AI powered Real Intelligent Decisions

We enable enterprises to leverage **Visual AI** to improve **efficiency**, achieve faster **decision making** and improve **customer experience**

We are one of the **fastest growing** Visual AI tech companies in the region

We have a culture of innovation and are passionate to lead **Artificial Intelligence** led disruption

---

We are already working with some of the leading local and global organizations and we are just starting to Transforming Visual data to Decision Insights !

STech.AI Story

We are one of the fastest growing Visual AI tech companies in the region

We have a culture of innovation and are passionate about AI led market disruption

Our solution is an amalgamation of cognitive thinking and smart processing by which, using machine learning, we have come up with our cognitive engine, the brain behind our product range " **MechaSapien** ".

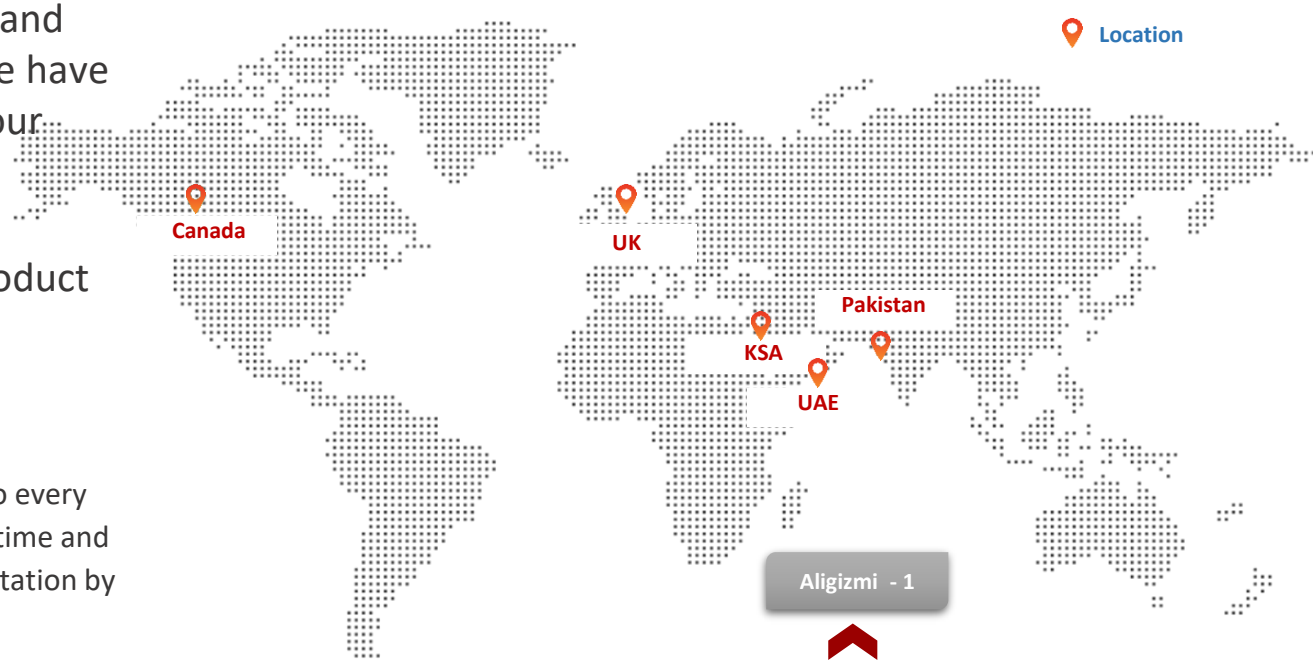
MechaSapien is currently powering 4 Algizmi i.e. 4 product domains and tens of use cases in different industries

50+
Stech.ai Workforce

10+
AI Projects being completed

3
AI International Projects delivered

3
PhDs in AI



MechaSapien

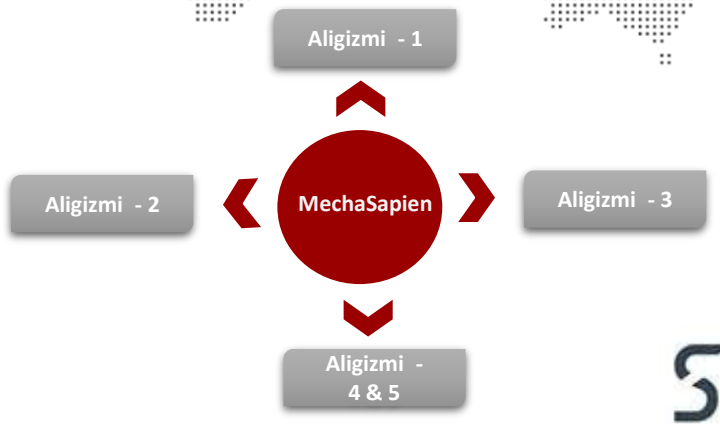
MechaSapien is an efficient , accurate and customizable engine that can cater to every problem that concerns computer vision. It has the ability to improve itself over time and ensure better accuracy and efficiency as time progresses.The engine has no limitation by means of size and scale and hence is fail-proof for its robustness

1 Algizmi 1 series- Facial Recognition

2 Algizmi 2 series- Smart Transportation

3 Algizmi 3 series- Video Summarization

4 Algizmi 4 & 5 series - Agriculture & Manufacturing Industry



Our Intelligent Visual Data Solutions

STech.AI Product Offerings

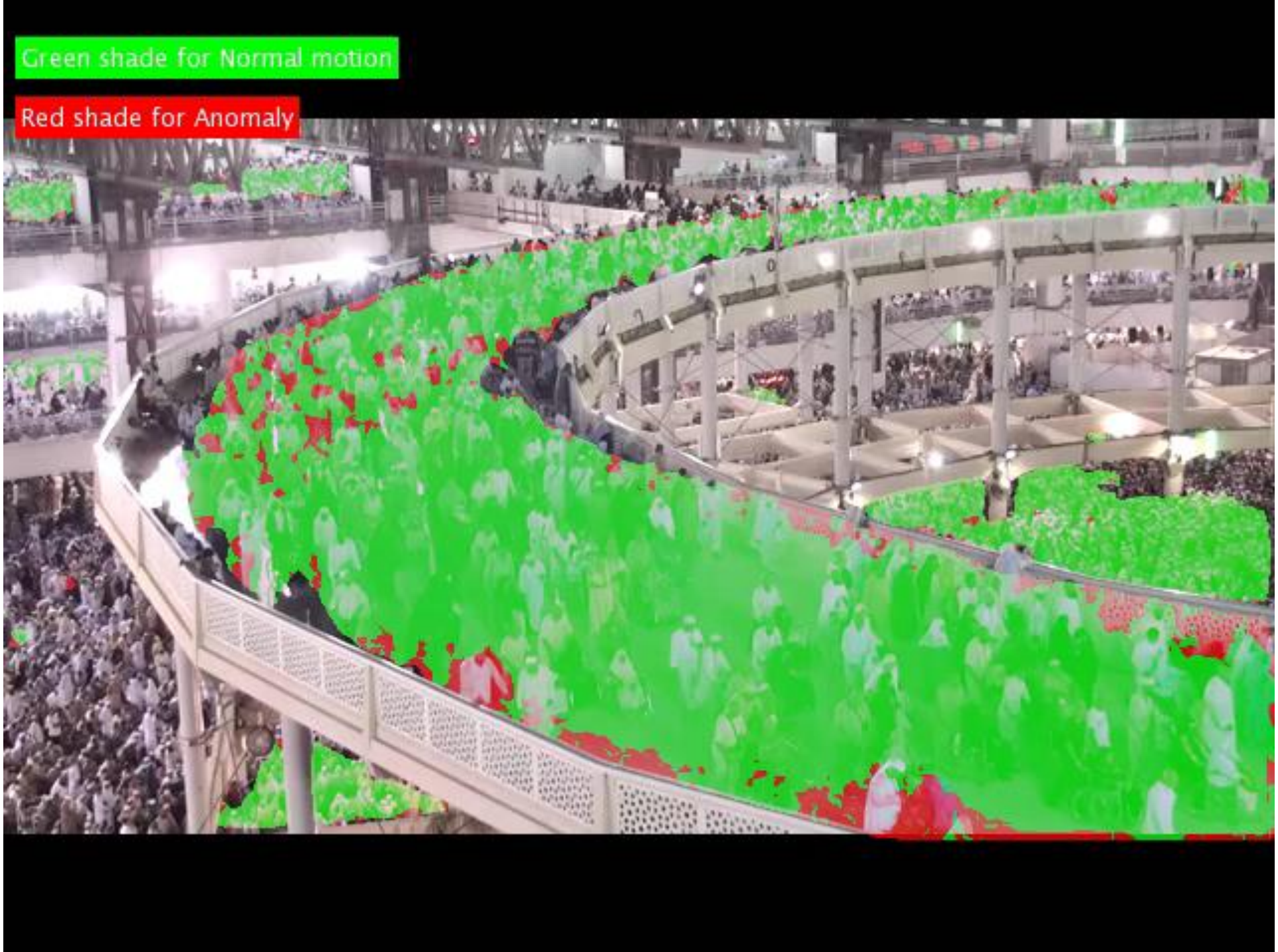
Our completely in-house developed product range currently comprises of set of visual data analytics for a variety of industries & stake holders.

Product Offerings

- Facial Recognition
- Vehicle Detection, Counting and Classification
- Automatic License Plate Recognition (ALPR)
- People Detection and Counting
- Event Detection for Video Summarization
- Heat Map Generation
- Aerial Video Analytics
- Crowd Flow & Anomaly Detection
- Prediction based on historical events

Industry & Use Cases

- **Banking**: Priority, Privilege Customer Service
- **Automation**: OCR recognition and document storing
- **Government**: Crowd Management, anomaly detection
- **Agriculture**: Crop Plantation and prediction
- **Traffic Management**: Vehicle Count, toll tax planning
- **Parking Intelligence**: Parking Management & alerts
- **Retail Analytics**: Heat map, Conversion analysis
- **Landscape Analysis**: Water level, plantation changes
- **Manufacturing**: Fabric quality control, Defect identification, Volume quantification


Green shade for Normal motion
Red shade for Anomaly

head 84%
head 76%
head 85%
head 78%
head 71%
head 64%
head 74%
head 69%
head 68%
head 72%
head 78%

Count: 0002

01-02-2004 Fri 20:56:27
Sugar Bag Count: 0
12705
Sugar Bag Weight: 0 kgs
CHASHMA SUGAR MILLS LIMITED
D.I.KHAN
WHITE REFINED SUGAR
EXPORT QUALITY
NET WEIGHT 50.000 KGS
GROSS WEIGHT 50.105 KGS
SEASON 2020-2021
EXPIRY DEC, 2024
MADE IN PAKISTAN
Camera 01

Production Line Optimization and Accuracy Improvements

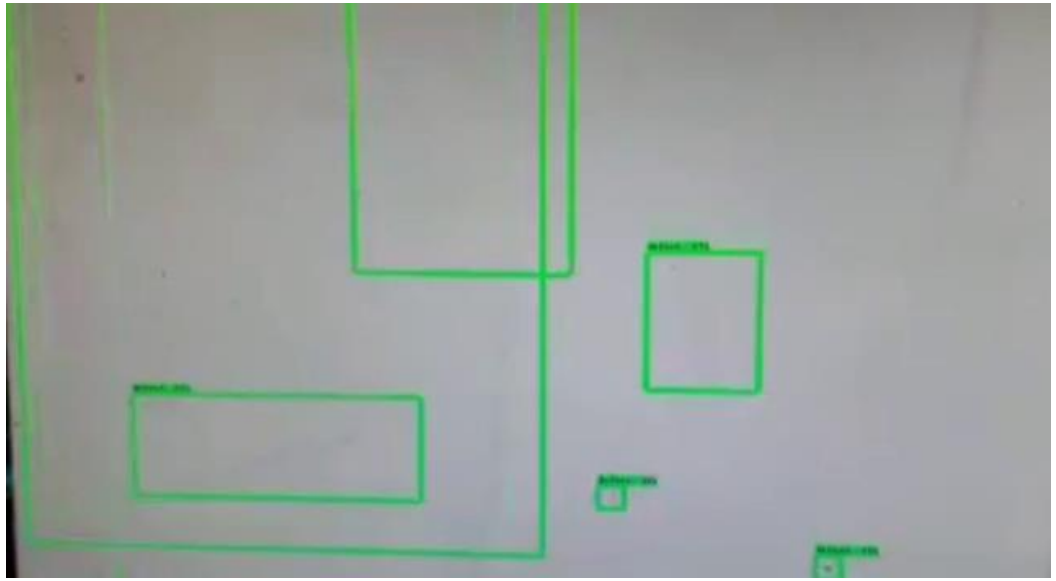
Deployment of AI based system on production lines of various industries. Replacing manual visual inspection with automated AI driven solution performing various tasks:

Quality Control, Count and classification including hardware integrations (different sensors, weight etc)

Count & classification

Weight integration & Anomaly detection

Cloth Quality control and defect classification



Algizmi 2.2 - Vehicle Classification
SUV/Jeep/Truck
SUV/Jeep/Truck
SUV/Jeep/Truck
Car
Car
SUV/Jeep/Truck
Others
Car
SUV/Jeep/Truck
Car
Car
Car
Pedestrian
Pedestrian
Pedestrian
Pedestrian
Pedestrian
Pedestrian
Pedestrian
Pedestrian
Pedestrian
Pedestrian
Pedestrian
STECH

Traffic Management for NHA

Completely Automated the Toll identification process on Open loop highways duly integrated with Boom barriers & other hardware. Record of every vehicle with its respective image, License plate number, time log etc. Complete forensic availability and data for analytics, planning and prediction.

End to end Integration and provision

Existing infrastructure

Custom UI and reports/Dashboard

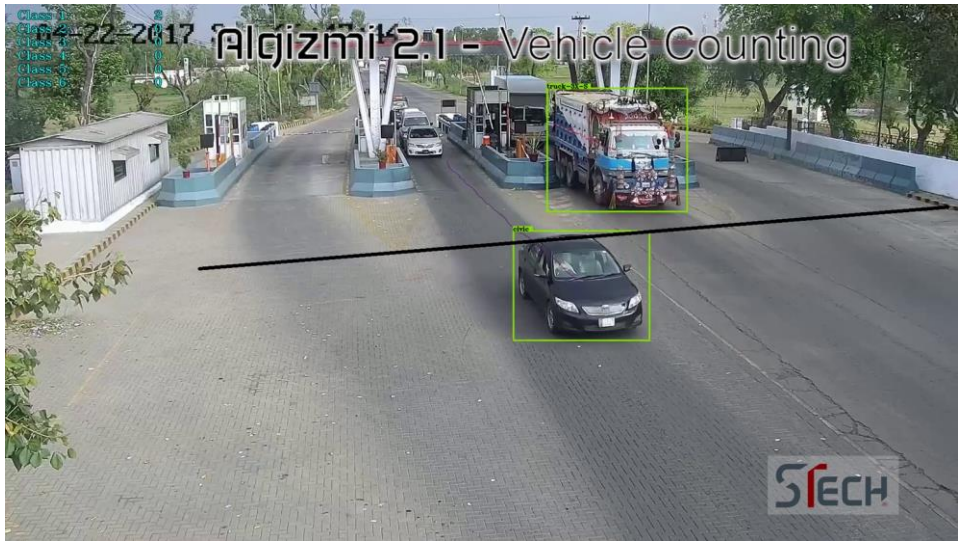
H.W & S.W Integration with all core systems

Vehicle NPR, Classification, Count

Toll automation

Alerts and Triggers.

Identification of improvement with AI tools



100%
Automation

30%
*Reduction in Pilferage

50k+
*Vehicles per day

SAAS
Deployment Model

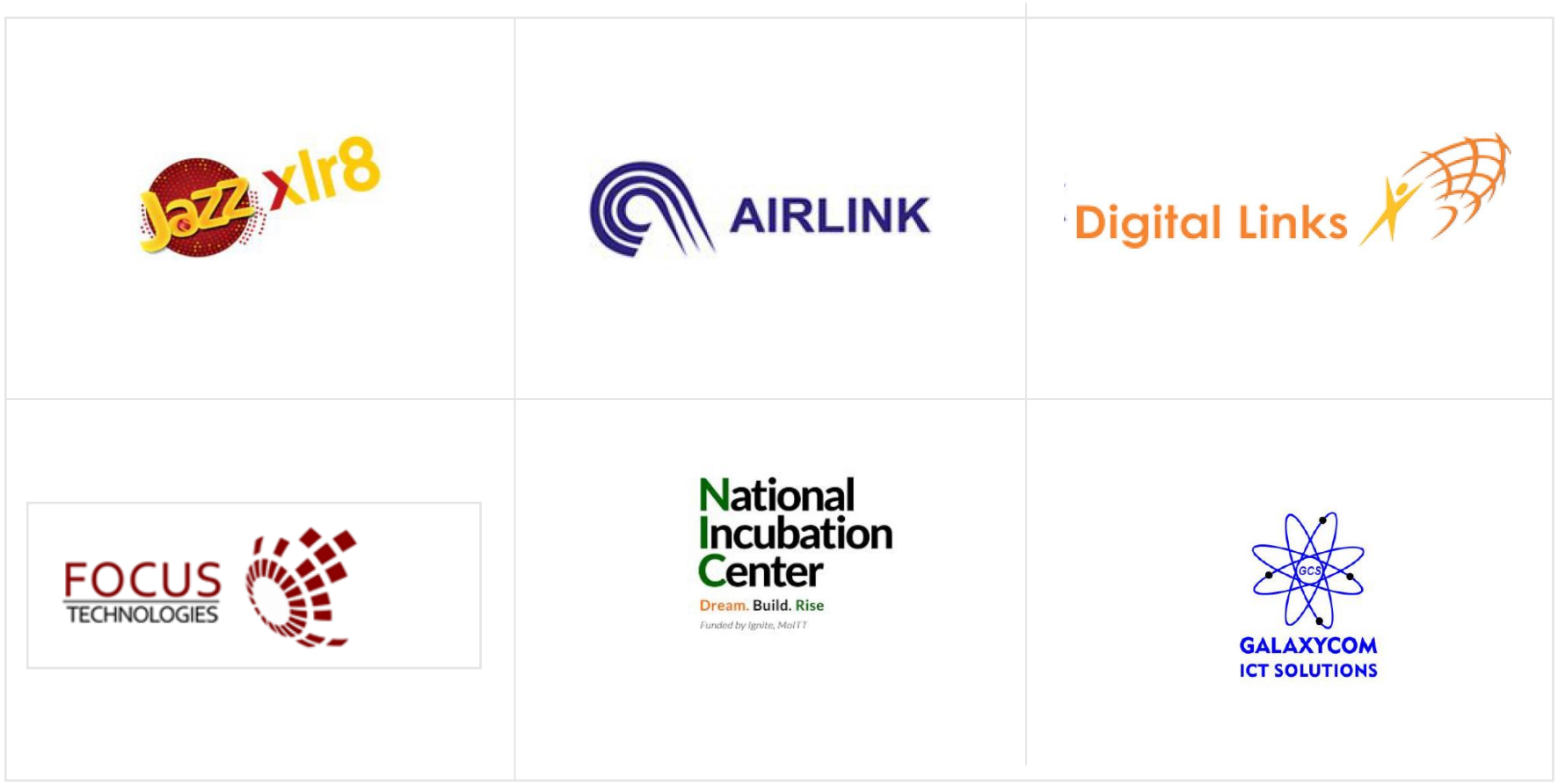
STech.AI Clientele

We are proud to have partnered with several state owned and private global and regional entities, which positions us uniquely in the region

NHA	PAKISTAN National Disaster Management Authority NDMA	NLC	NAYAtel
ALEC	Texas Department of Transportation	CoStar Group™	MKT

STech.AI Partnerships

As a premium AI solution provider, we partner with several local and global organizations



Thank You!