Ati MOTORS OVERVIEW

Customers	Team Size	Kms Run	Bots Deployed
50+	210+	800+	200+

Presence **NAM • APAC**

Backed by

true Ventures · (w)C Walden Catalyst · NGP NGP Capital · athera VENTURE PARTNERS · BLUME · exfinity VENTURE PARTNERS

RELENTLESS INNOVATION

SHERPA LINE OF AMRs

ISO 3691–4 Autonomy Safety Compliant

3D LiDAR Based Natural Navigation

VDA 5050 Industry 4.0 Ready

Global Presence

INDIA

MARUTI SUZUKI, YOKOHAMA, SIEMENS, Schneider Electric, SAMSUNG, DAIMLER, BOSCH, SANMINA, HYUNDAI, TVS TYRES, MERCK, ASHOK LEYLAND, FORBES MARSHALL, IFB Set yourself free, KEC INTERNATIONAL LIMITED, AISIN, CEAT, TEI India, TVS, Autoliv, ROYAL ENFIELD, OWENS CORNING, Hindustan Unilever Limited, DIAGEO, TOYODA GOSEI

THAILAND

TOYOTA TSUSHO, Electrolux

VIETNAM

Schneider Electric

SINGAPORE

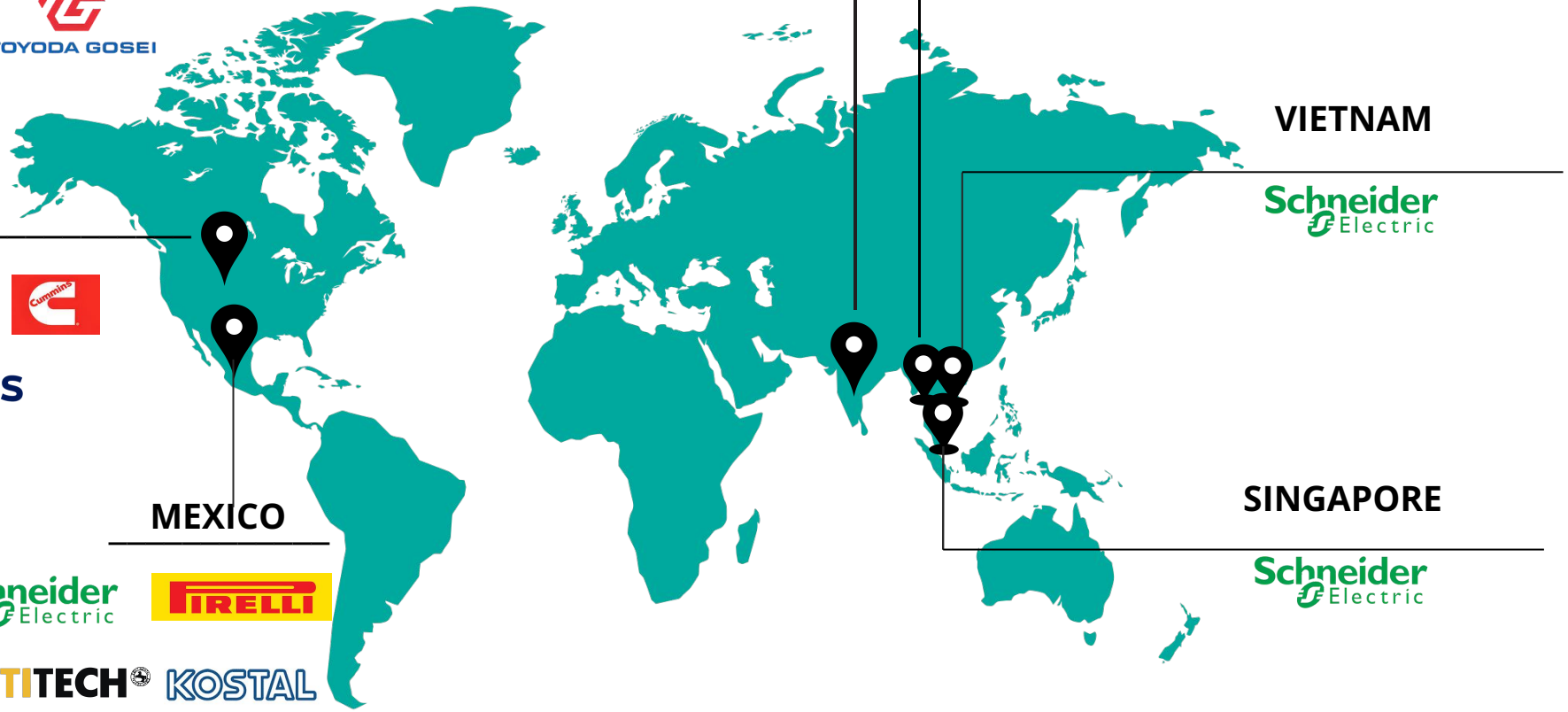
Schneider Electric

USA

Harley-Davidson, Schneider Electric, Cummins, Valeo, saft, AIRBUS, brose Technik für Automobile, TENNECO

MEXICO

Schneider Electric, PIRELLI, CONTITECH, KOSTAL



AUTONOMY PARTNER FOR THE FACTORY

Trolley

SHERPA 10K

SHERPA XT LITE

SHERPA XT

Bin

SHERPA LITE

SHERPA PIVOT

Pallet

SHERPA PALLET MOVER

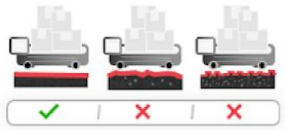
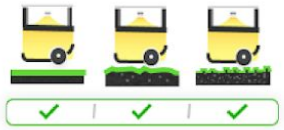
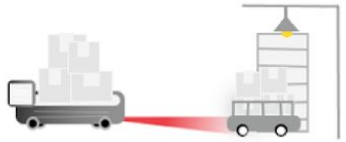
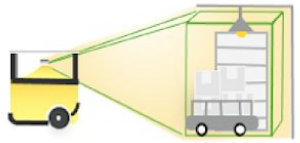
SHERPA FLEXFORK

Platform

SHERPA LIFTER 500

SHERPA LIFTER 1000

PRODUCT DIFFERENTIATORS

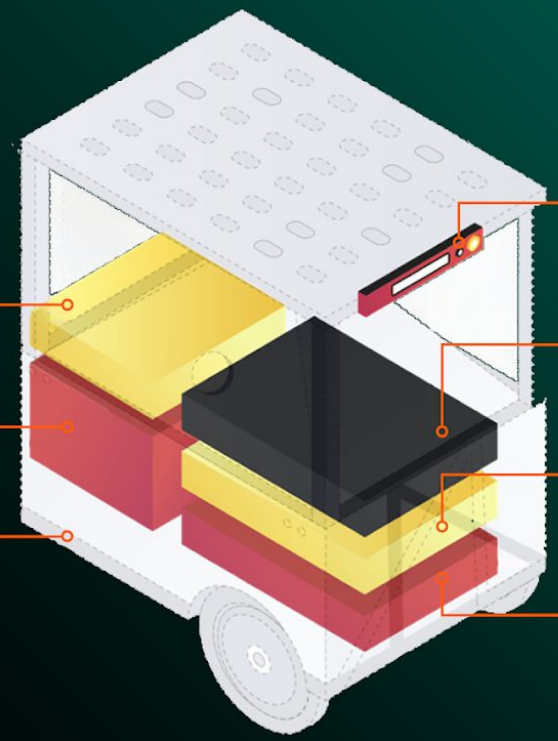
Static & 2D Lidar AMRs		Sherpa AMRs
	Cannot Climb ramps	Climb ramps
	Does not work on all surfaces	 Work on all surfaces
	Cannot Do inter-building /out door	Interbuilding & outdoor navigation
	Can detect obstacles only at ground level	 Safer due to 3D ability to detect obstacles at height

VS

TECHNOLOGY STRATEGY

Ati owns the Full Stack Product IP - AMR Hardware,
Autonomy Stack, Fleet Manager

Ati
AUTONOMY CLOUD



CONNECTIVITY MODULE

SWAPPABLE BATTERY

PURPOSE BUILT VEHICLE

3D LIDAR & OTHER SENSORS

LOCALIZATION ALGORITHM

NAVIGATION ALGORITHM

VEHICLE CONTROL UNIT

PRODUCT STRATEGY

Space

Effectively use physical space

Speed

Timely task completion

Safety

Incident-free operation

Sturdy

Consistent and Dependable

SHERPA PALLET MOVER

Designed to pick and drop loads on pallets or trolleys.

Lifting Capacity:	1500 Kg / 3300 lbs
Max Speed:	Up to 1.5 m/s / 3.3 mph
Gradient:	Up to 2%
Operating Area:	Indoors

SHERPA LIFTER

Built to perform autonomous docking, lifting, tunneling, and roller-top tasks.

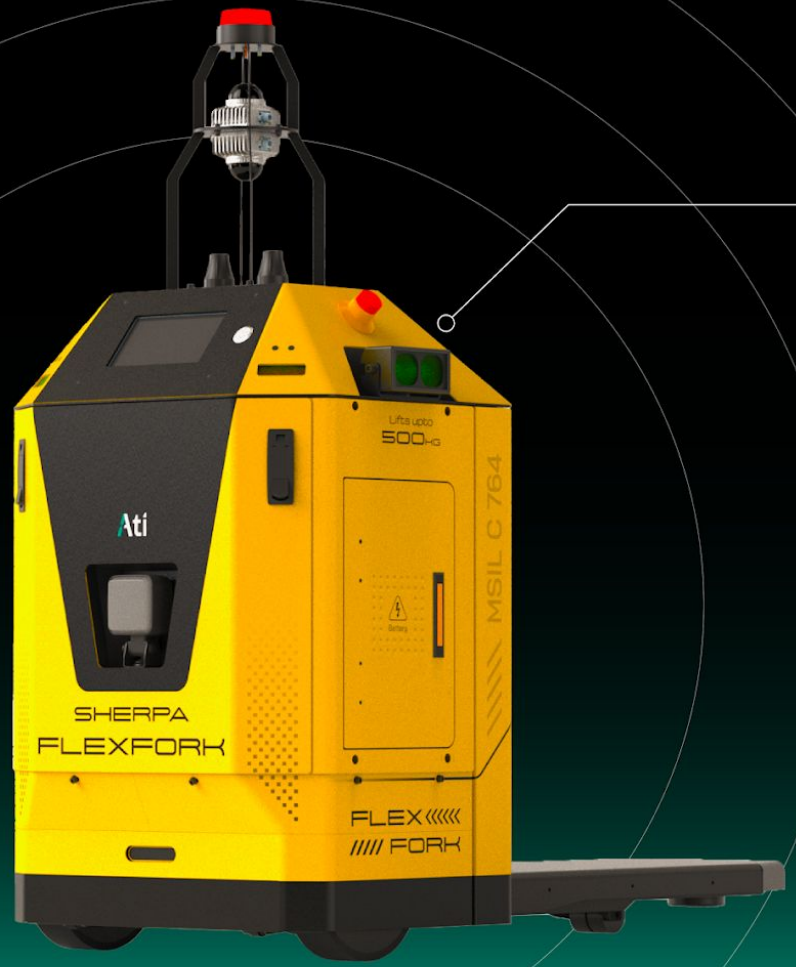
Lifting Capacity:	1000 Kg / 2200 lbs
Max Speed:	Up to 1.5 m/s / 3.3 mph
Gradient:	Up to 2%
Operating Area:	Indoors

SHERPA XT LITE

Engineered to function effectively in narrow aisle spaces.

Tugging Capacity:	1500 Kg / 3300 lbs
Max Speed:	Up to 1.5 m/s / 3.3 mph
Gradient:	Up to 10%
Operating Area:	Indoors and outdoors

SHERPA FLEXFORK



A versatile AMR that autonomously lifts and transports trolleys using a single robust fork.

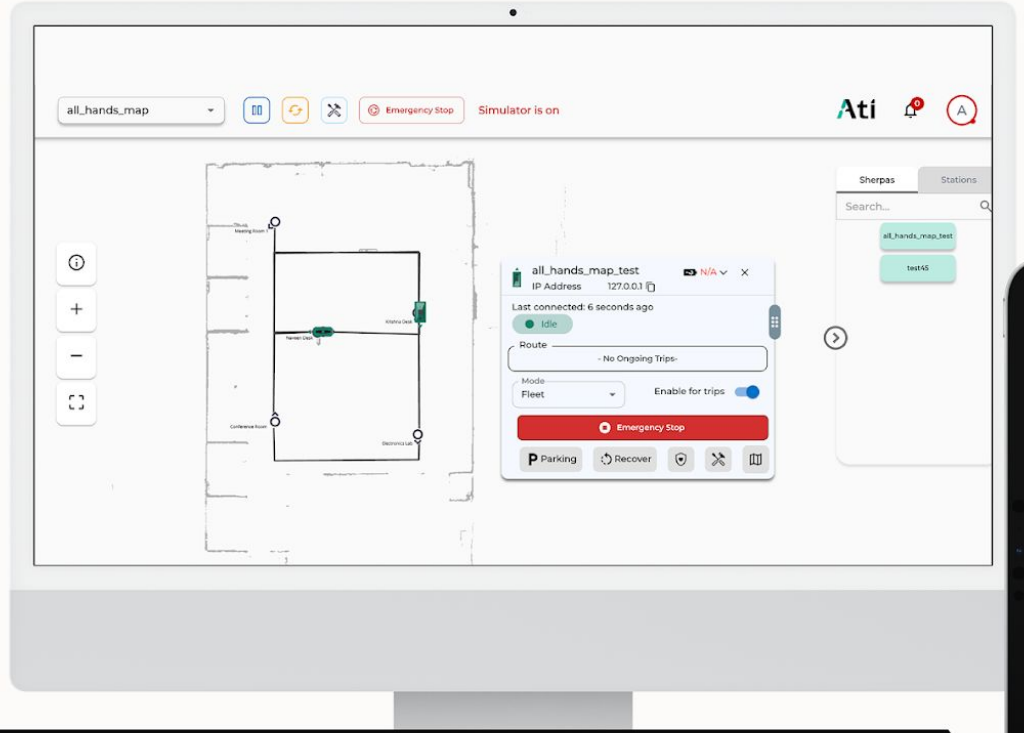
Lifting Capacity:	500 Kg / 1100 lb
Max Speed:	Up to 1.5 m/s / 3.3 mph
Gradient:	Up to 2%
Operating Area:	Indoors

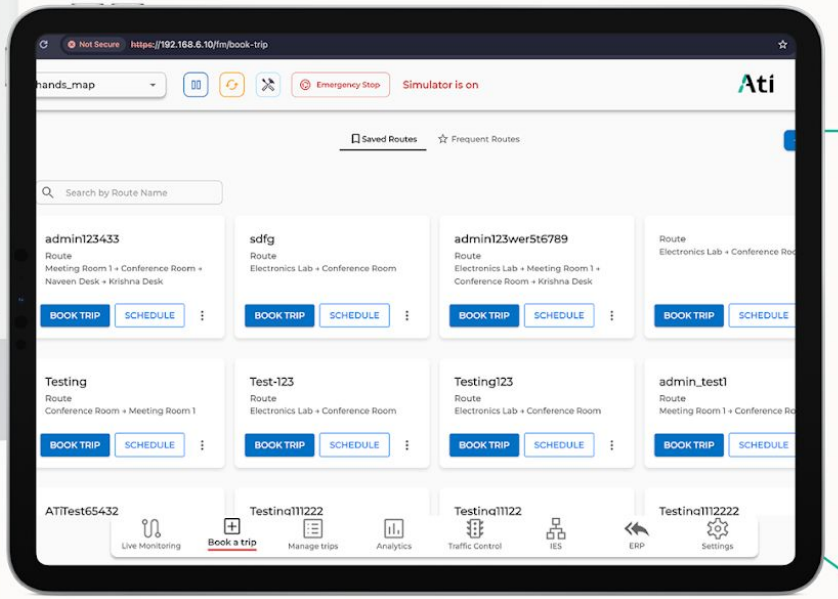
SHERPA 10K

Built tough to handle typical industrial situations

Tugging Capacity:	4600 Kg / 10000 lb
Max Speed:	Upto 2 m/s / 4.5 mph
Gradient:	Up to 10%
Operating Area:	Indoors and outdoors

Ati FLEET MANAGER





SMART

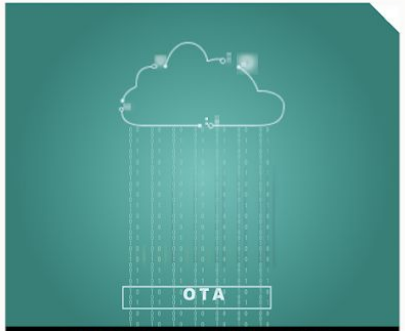
INTUITIVE

SCALABLE

Smart Solutions for Seamless Fleet Operations

Real-Time Insights

Interoperability of AMRs (VDA 5050)

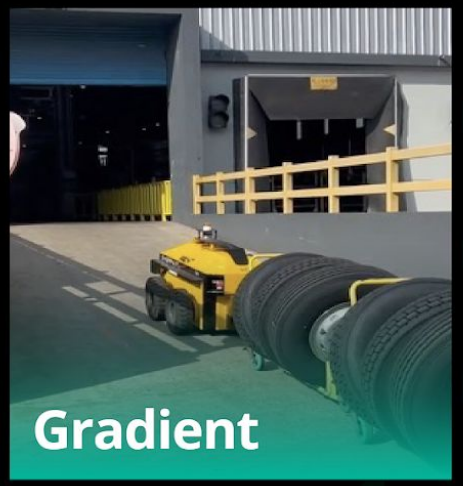


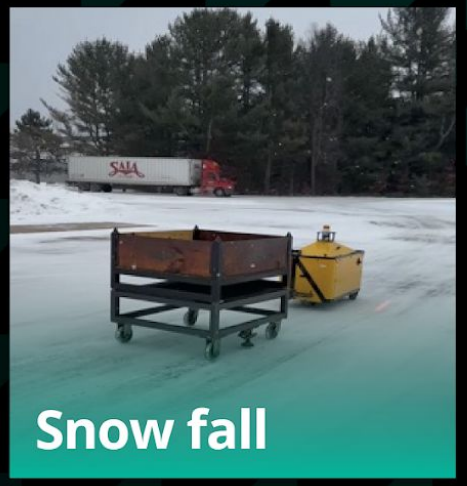
OTA (Over-The-Air) Software Upgrades

Unified control for Multiple fleets

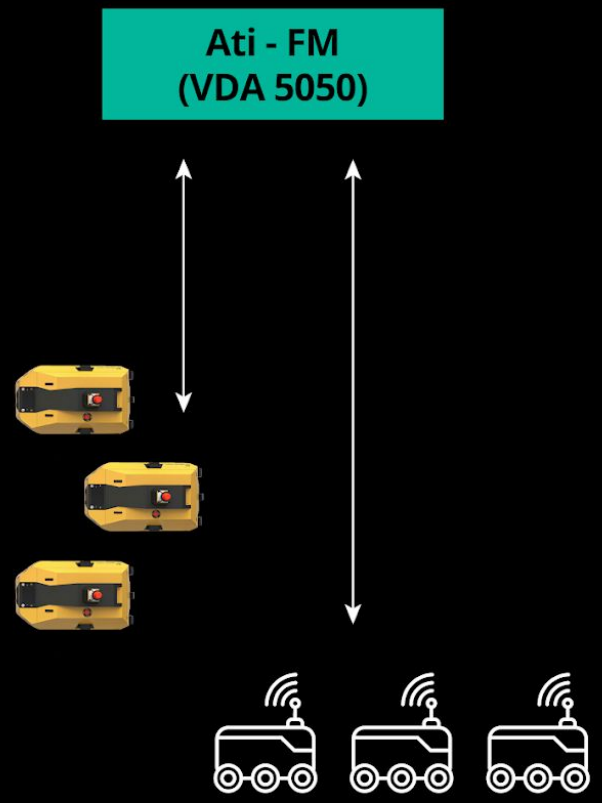
Industry 4.0

AMR IMPLEMENTATION IN FACTORIES IS CHALLENGING

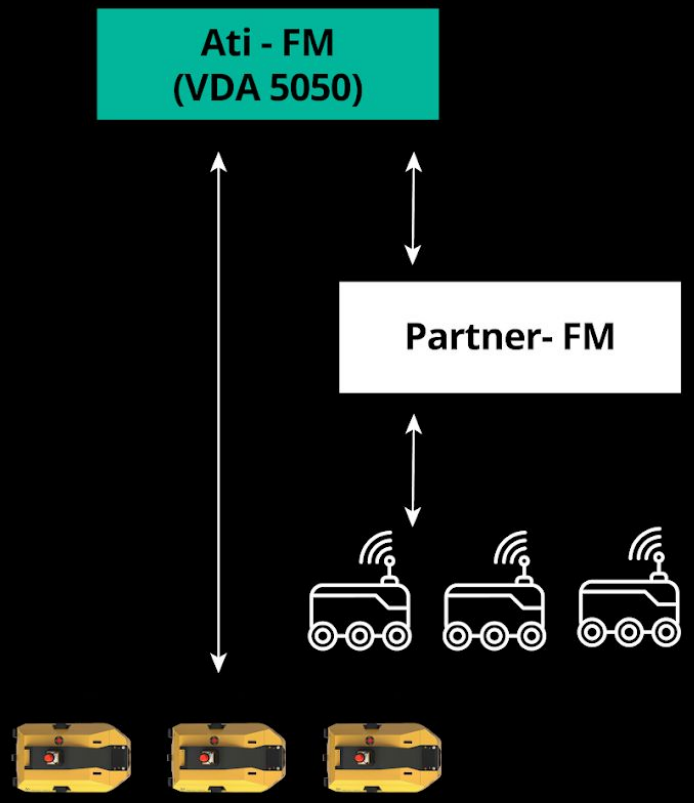




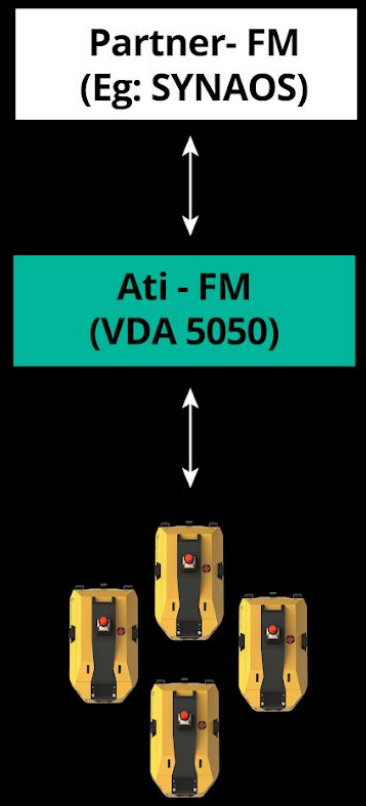
Ati VDA 5050 Compliance



Ati-FM Managing both Ati Fleet and partner fleet directly.
(VDA-5050 Compliant)



Ati-FM managing Ati fleet directly and partner fleet through partner's FM proxy.
(VDA5050 compliant)



Ati-FM operating under the aegis of partner's fleet manager.
(VDA5050 compliant)

Ati VERSE

- Multi-Floor with Lift Integration
- Cobot Integration (Handy)
- Conveyor Integration
- Barcode Scanning
- SAP Order Batching and Integration
- Ati Eye (Perception Plugin)
- Smart Summon
- Traffic Light Integration External
- Hooter/Realtime obstacle Buzzer

TOUCH FREE AUTOMATION

OTA Sherpa config. mgmt. and software updates

Network mgmt., alerts/alarms

CUSTOMER DATA CENTER

Ati MOTORS FM

- Sherpa X task assignment Optimal from usage/ROI
- Sherpa Configure Management
- Sherpa software updates
- Network Management, alers/alarms
- Analytics (Ops data store min 4 days

SAP S/4HANA

APIs INTEGRATING ENTERPRISE SOFTWARES

Software Push

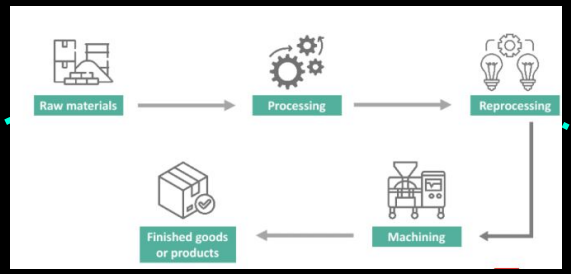
Diagnostic Data Pull

- Laptops connecting to individual Sherpa on 4G
- System alerts delivered to dashboard and mobile devices.

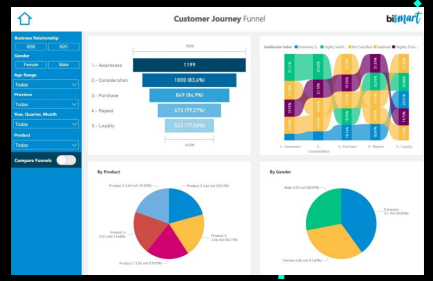
Ati Service Network

Ati

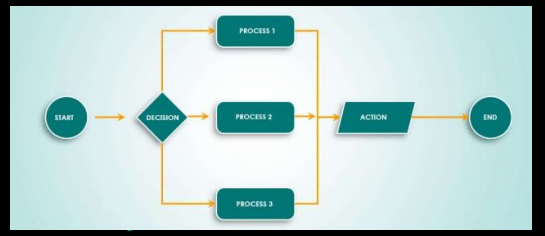
Material Flow



Dashboards

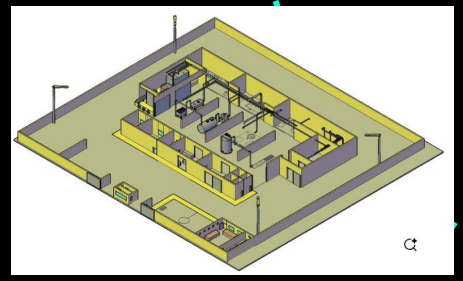


Information Flow

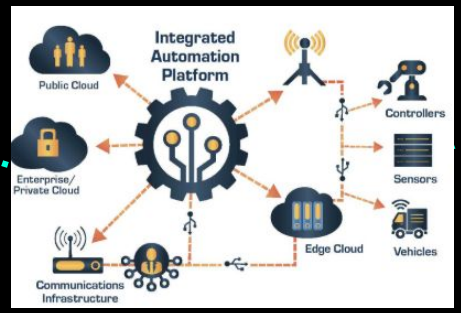


TOTAL AUTOMATION WITH

MOBILE ROBOTS



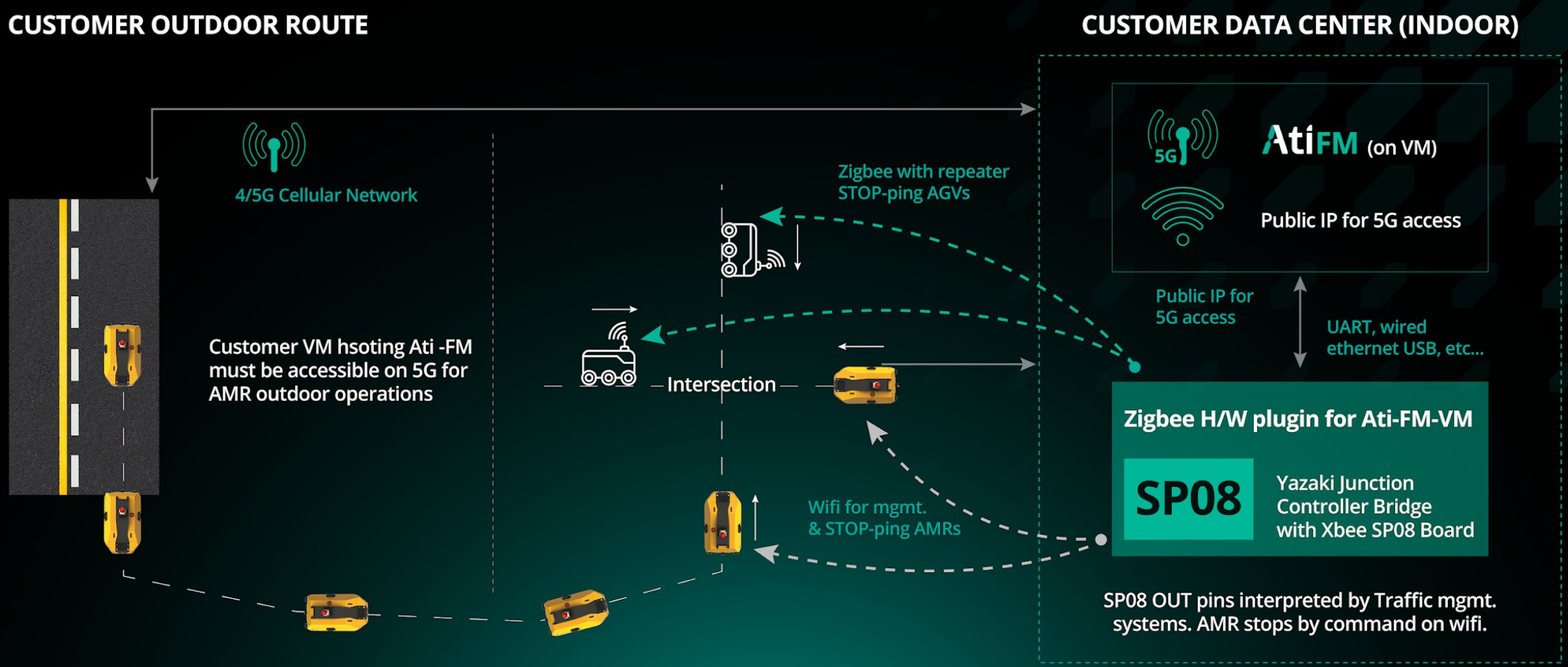
Plant Layout Change with Trolley Modifications



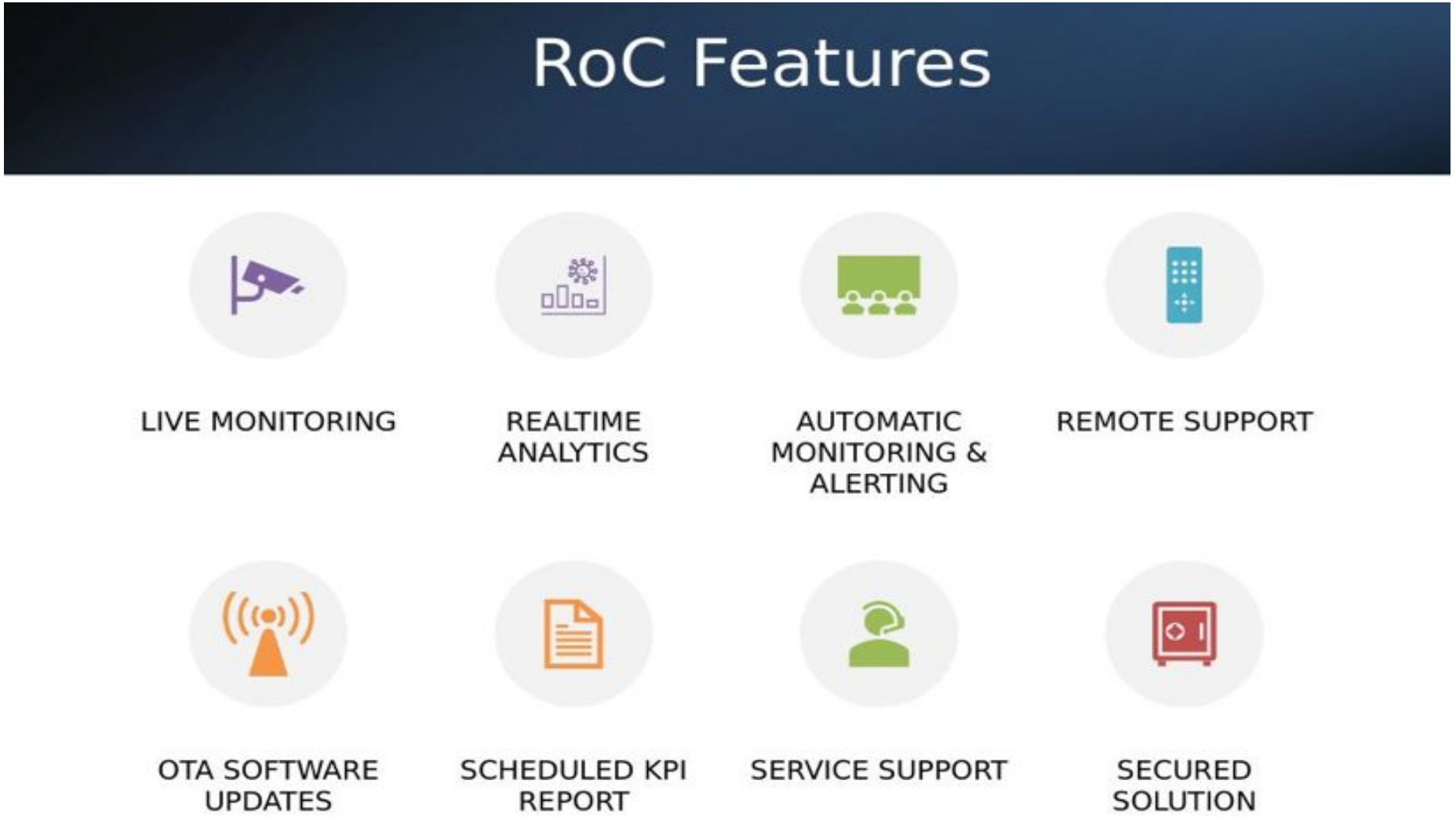
Integration

Automation

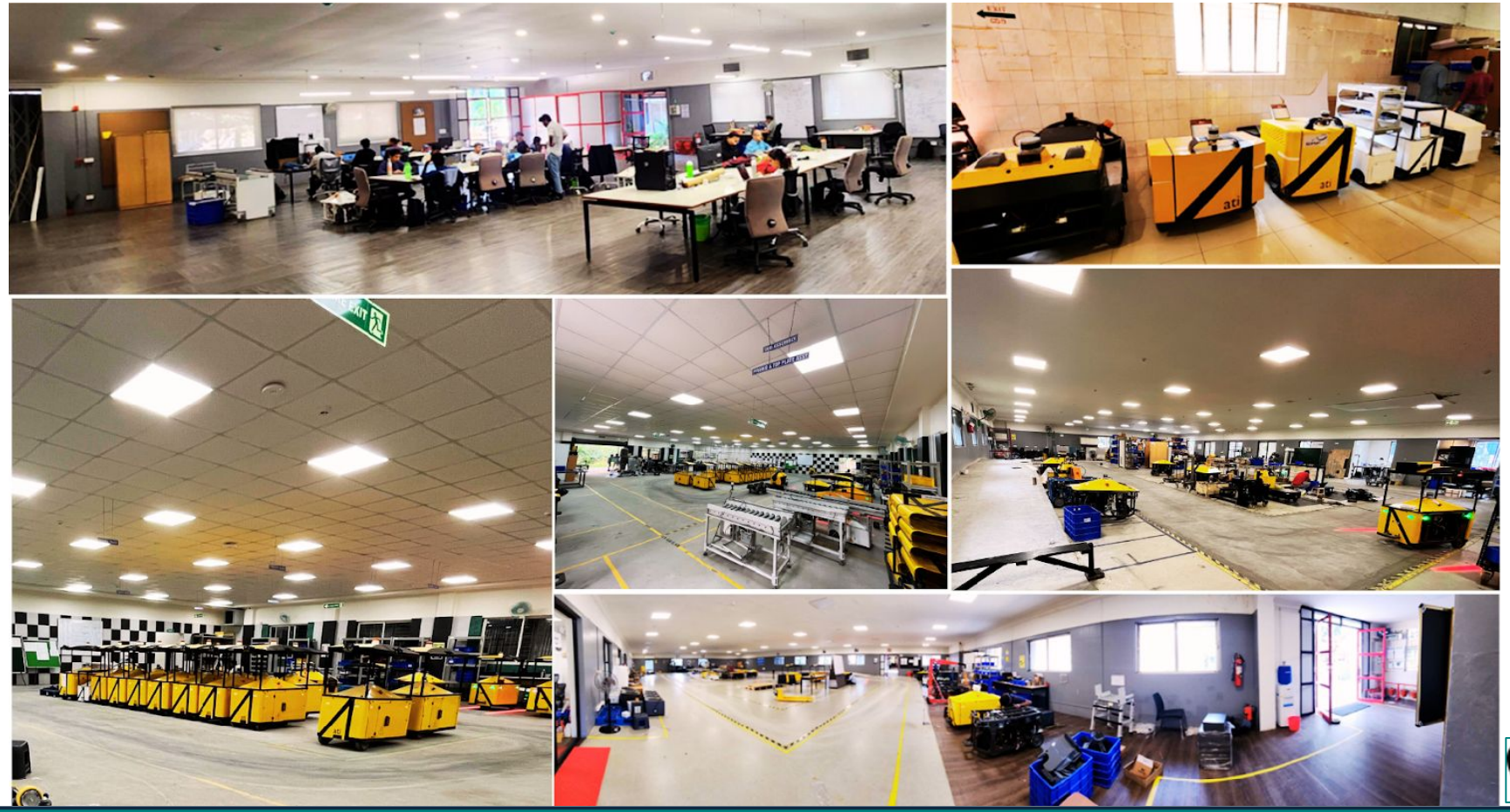
Ati AMR / AGV Integration



Robotics Operation Center – 24x7 Support



Manufacturing & Engineering - COE

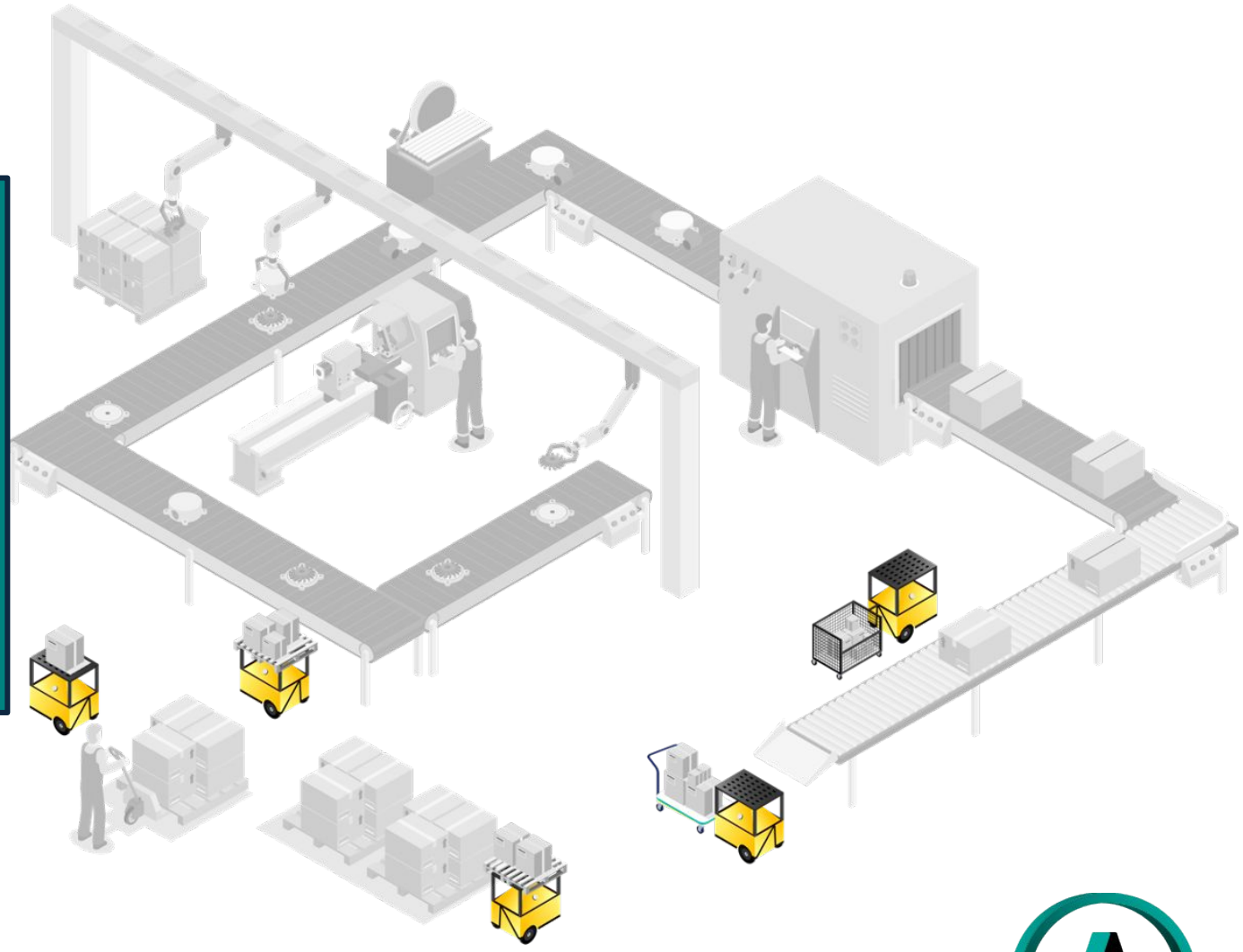


Bangalore

40,000 sq. ft
Current Size

500 bots
Annual Production Capacity

2,000 bots
Capacity Expandable

80+ Members
Multi disciplinary Engg & R&D

LET’S TALK!