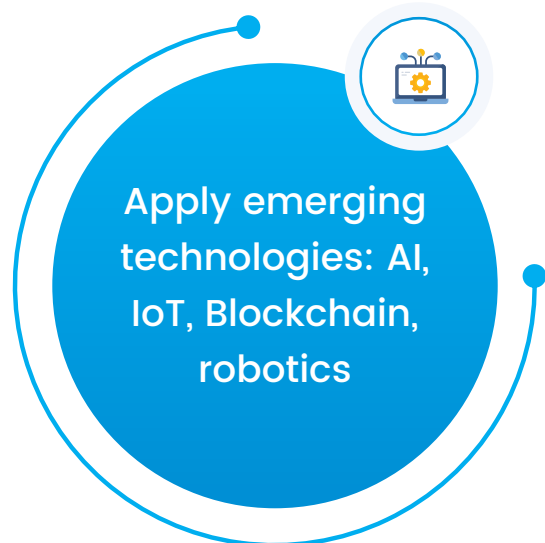
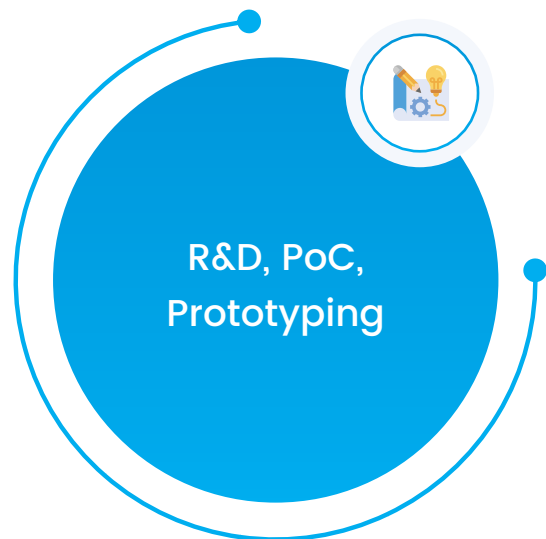
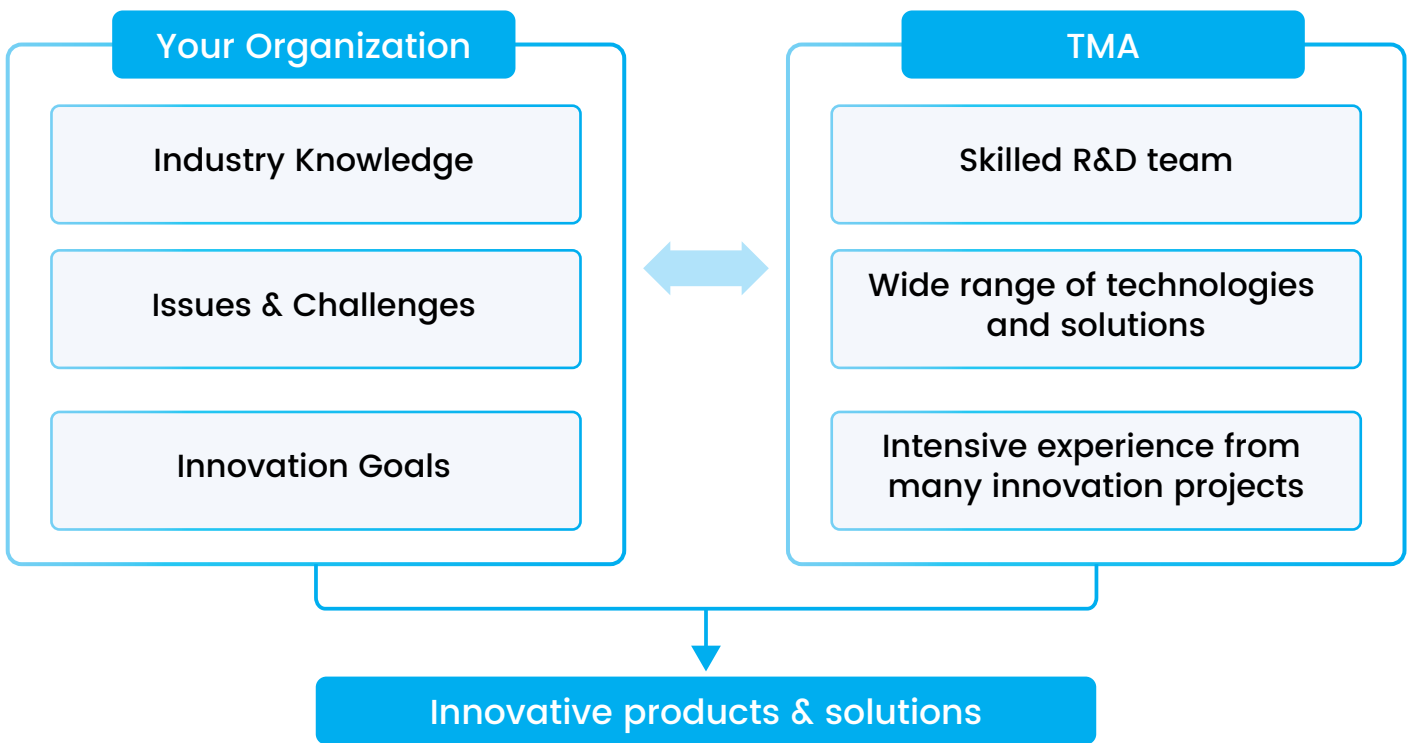


# Innovation As A Service

Discover a new era of innovation with TMA Solutions. Embrace our innovation as a service, featuring technology roadmap capabilities, driving progress through IoT, blockchain, and robotics solutions.





## Our Innovation Services

### R&D

- Check technical feasibility
- Try and test new solution
- Evaluate new technologies and solutions

### PoC and Prototype development

- Rapid software prototyping services based on available solutions and frameworks
- UI prototype or application demo

### Find technical solutions

- Propose new solutions
- Compare between technical solutions
- Propose system architect

### Technology Roadmap

- Identify goals
- Propose implementation roadmap
- Estimate timeline and budget



# Case Study

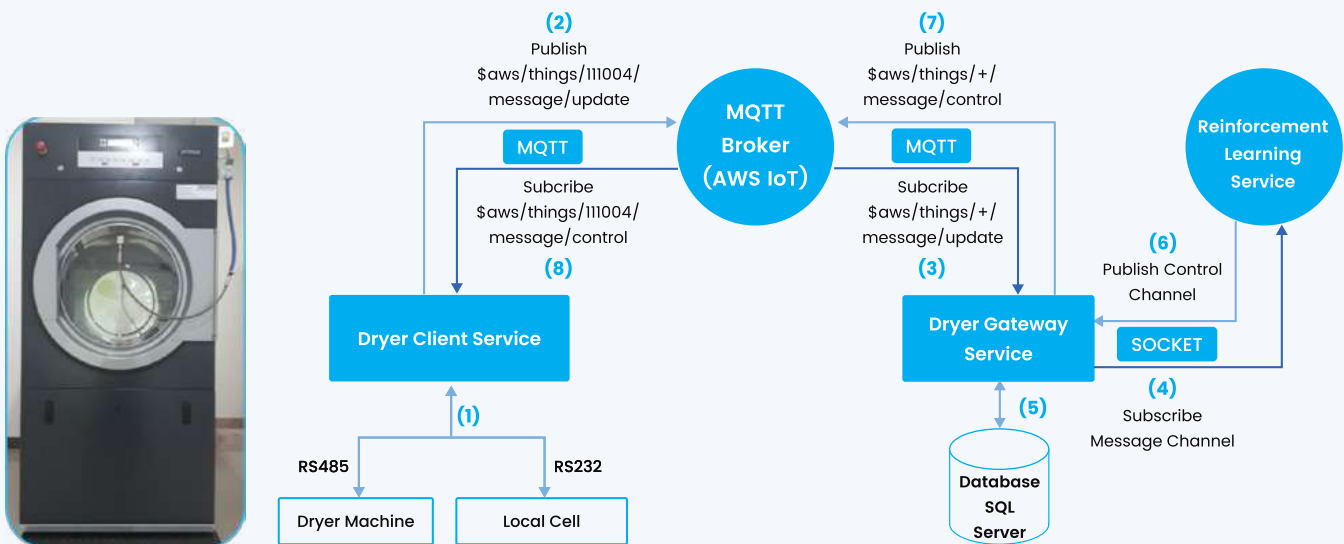
## Machine Optimization

### Scope of Work

- Next generation of machine.
- Interactive and user friendly services

### Solutions

- Apply IoT and AI to optimize machine operations
- Cloud-based data. Data analytics.
- Applications for machine troubleshooting and predictive maintenance



1. Client read all data (machine, sensor, load cell)
2. Client send data to AWS IoT on publish topic
3. Gateway will receive data on subscribe topic
4. Gateway forward received data on message channel
5. Gateway store received data into MY SQL Server DB
6. RL service process data and send controller data to gateway
7. Gateway forward controller data to client
8. Client will receive controller data and control machine



# Case Study

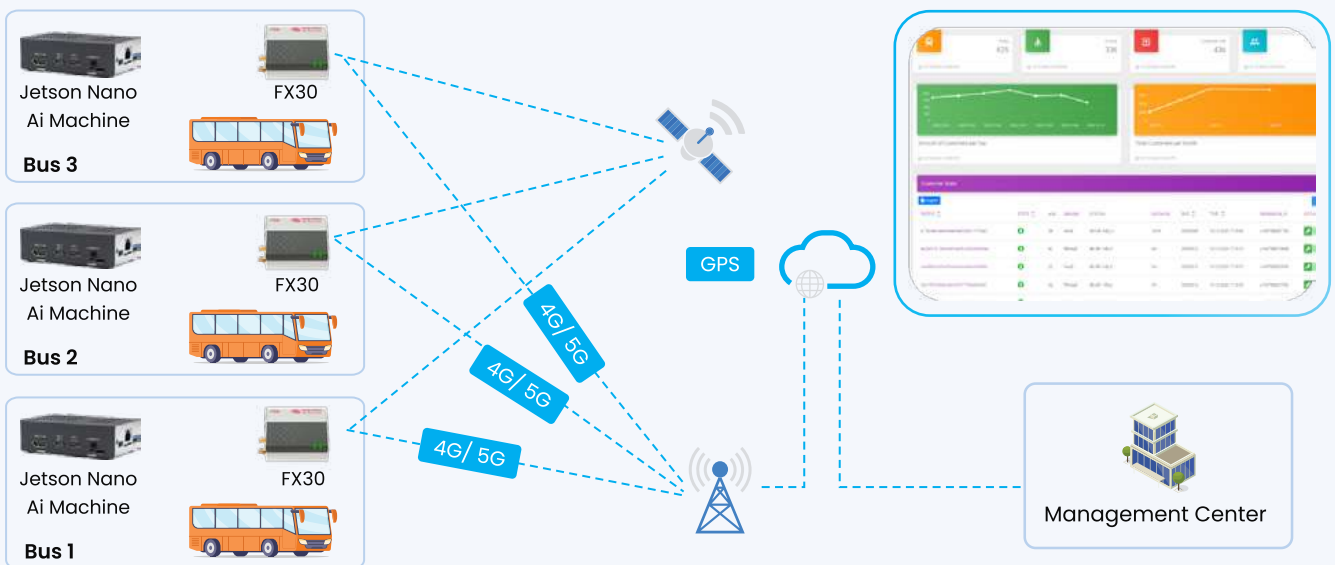
## Bus Tracking

### Customer's needs

- Bus location tracking:
- Passenger load monitoring
  - Tracking bus passenger load by hourly, daily, weekly
  - Age/Gender analysis

### Solutions

- IoT solution for bus tracking
- AI for passenger analytics (counting, age, gender)





# Case Study

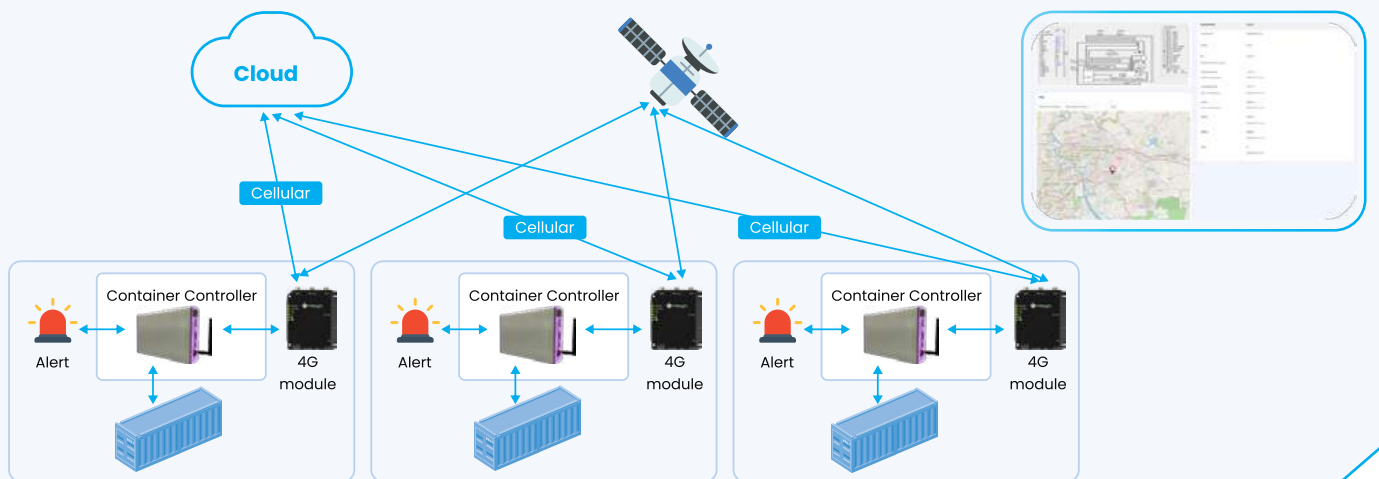
## Container Environment Monitoring

### Customer's needs

- Remote monitoring container environment on port or on truck
  - Temperature
  - Humidity
  - GPS location

### Solutions

- End-to-end IoT solution. Cloud-based data management.



## Interactive Furniture Selection

### Customer's needs

- New level of customer interaction and customer experience in furniture purchase

### Solutions

- Apply the latest 3D and AR (Augmented Reality) technologies on mobile/tablet/Web to create innovative customer interaction applications







## Contacts

Vietnam: +84 28 3995 1060

+84 28 3995 1059

Australia: +61 411 276 342

Email: [sales@tmasolutions.com](mailto:sales@tmasolutions.com)

North America: +1 844 224 4188

Europe: +33 7 44 77 49 24

Japan: +81 50 5490 9867

Website: [www.tmasolutions.com](http://www.tmasolutions.com)

