

## Implementation of advance ticketing system in Qatar

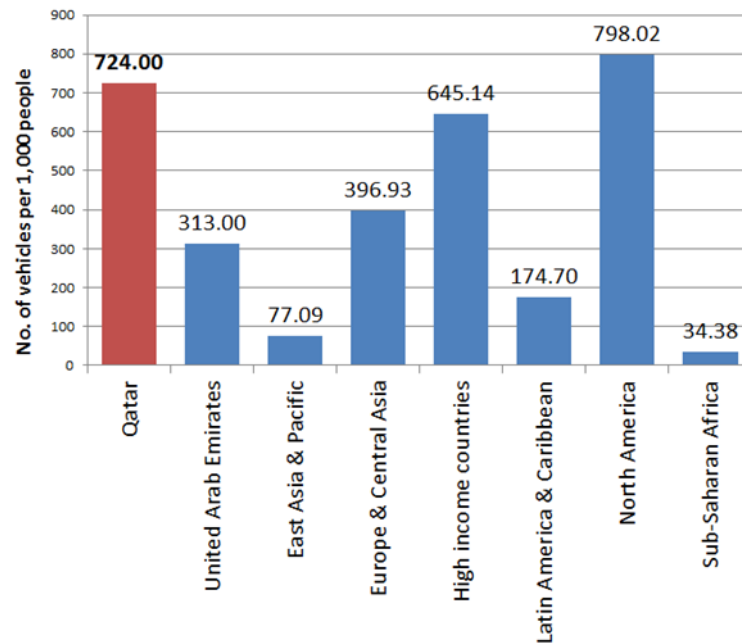
**Multimodal open and closed loop payment system is being implemented for the mass transit.**

## Where is Doha now?

- A city that has grown around the private car
- Lack of travel choice
- Highly dependent on car travel
- Massive investment in new expressways
- One of highest levels of car ownership in the world
- Growing congestion problems evident



Vehicle Ownership (World Bank 2007)



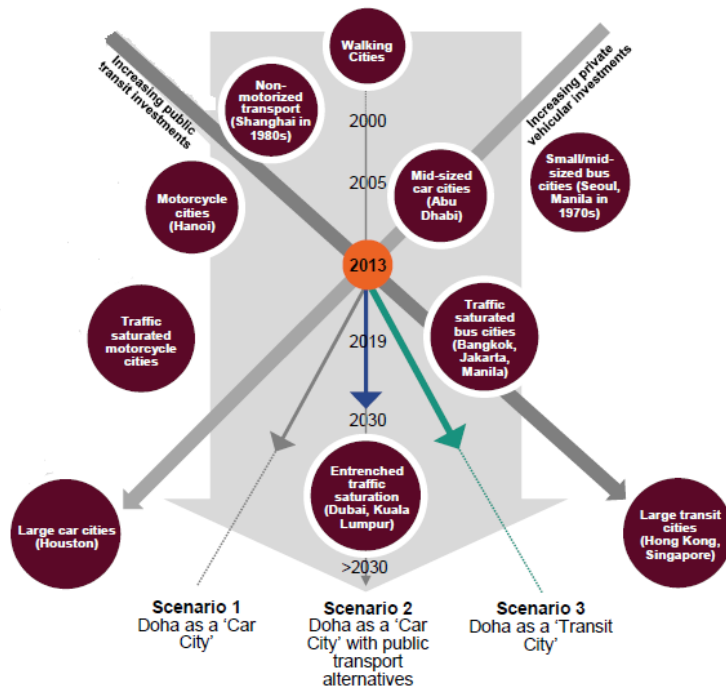
Current Vehicle Ownership 1.6 Million

[motc.gov.qa](http://motc.gov.qa)

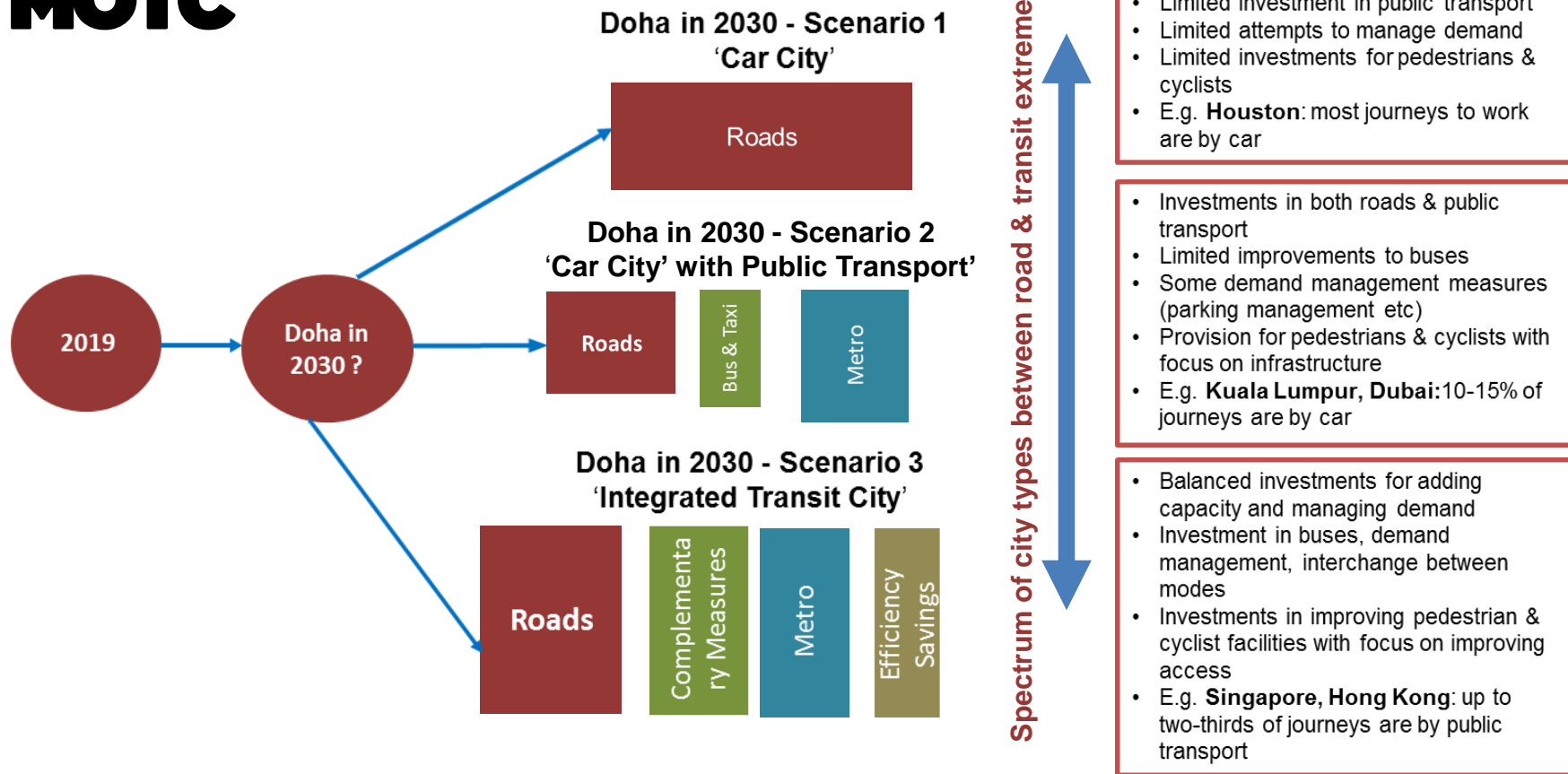
## Where is Doha heading?

- Building new major roads can offer temporary benefits
- But this comes with additional traffic growth and significant environmental and social costs

## Strategic choices for Doha - car-centric city or a multi modal city?



## Where is Doha heading?



## Qatar's 2030 vision

It aims at transforming Qatar into a most modern country that relies on sustainable development.

The vision has four pillars

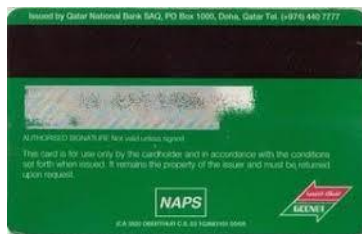
- Social
- Economic
- Environmental and
- Human development

## Country wide Integrated automated Fare Collection System

### Several Modes of Transport



## With several Payment options



## Benefit of having new payment modes

### Customer benefits:

- Faster journey through quick entry times to stations, buses, trams, taxi etc
- Make it easy to pay for public transport, whether on the system, online or at other convenient outlets.
- Make tickets available to suit a wide range of customer types and need to increase take up of public transport. This includes smartcards, bank cards, mobile phones and even retaining paper tickets if necessary.
- Flexible fares and ticketing, for example higher peak period fares, free fares for school children or elderly customers, discounted fare on national holidays or off-peak periods.

### Business Benefits:

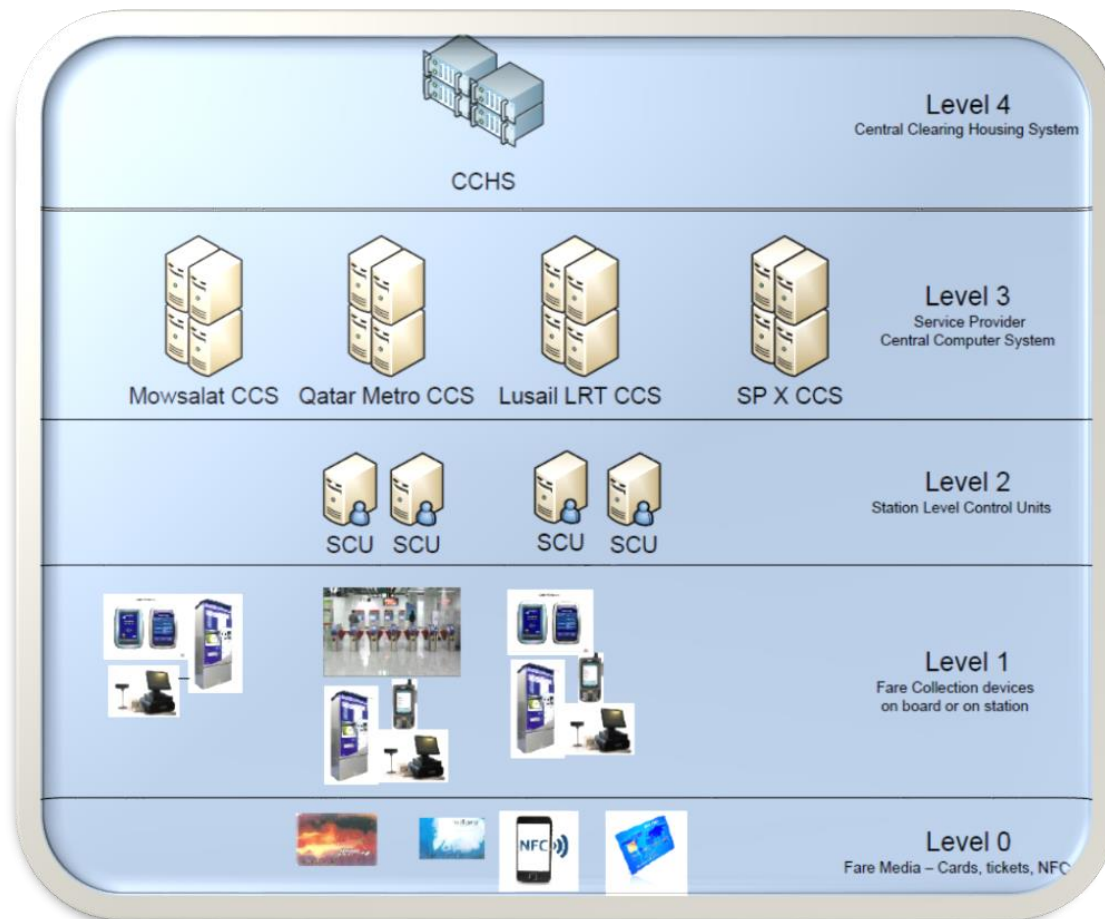
- Continuous provision of comprehensive data on system usages, for reporting and planning future operations or fare initiatives
- Minimum revenue loss through staff and passenger fraud
- Efficient and effective back office system through rapid delivery of data for revenue analysis and allocation
- Reduce need for surveys as demand data and travel pattern will be readily available

### Wider Benefits:

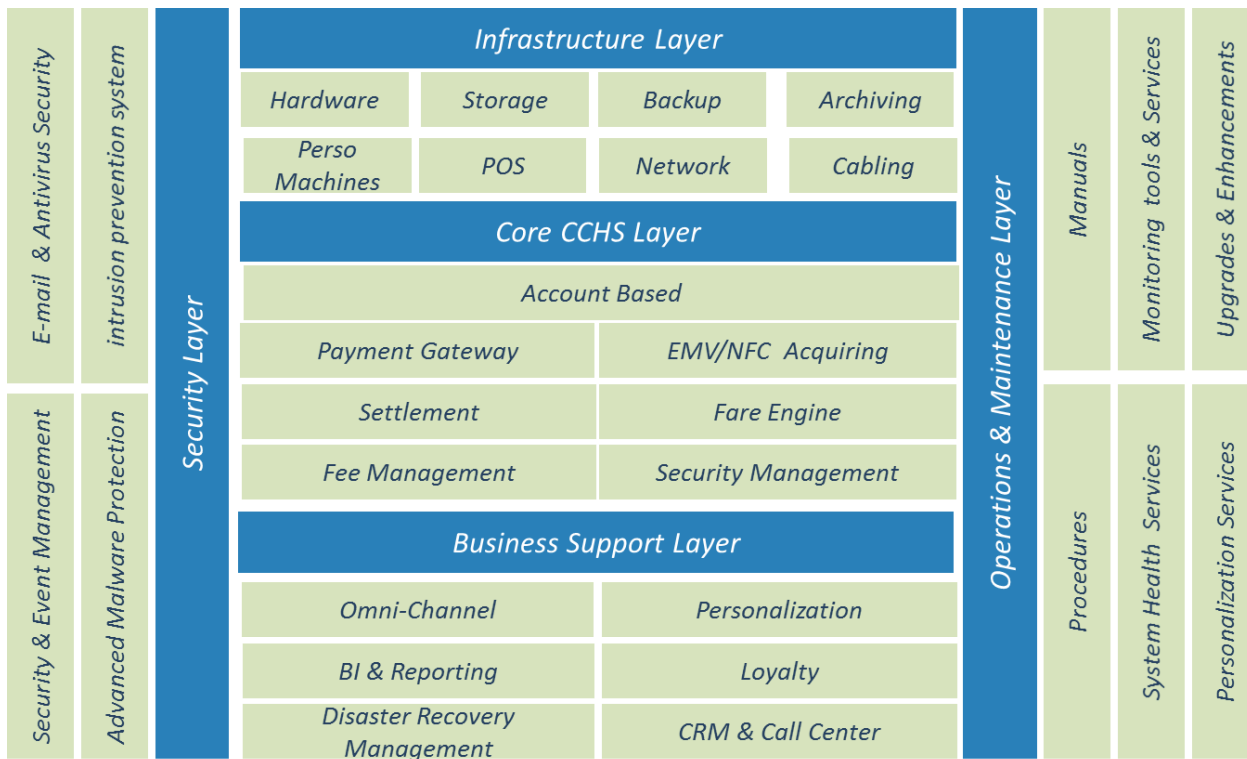
- Platform to provide payment and/or permits for car parking, congestion charging (if needed) or more exclusive transport services such as Education city
- Provision of platform to extend the ticketing functionality to (or integrate with) e- government (for example, ID card, utility payment) and/or purchase of private sector goods and services.



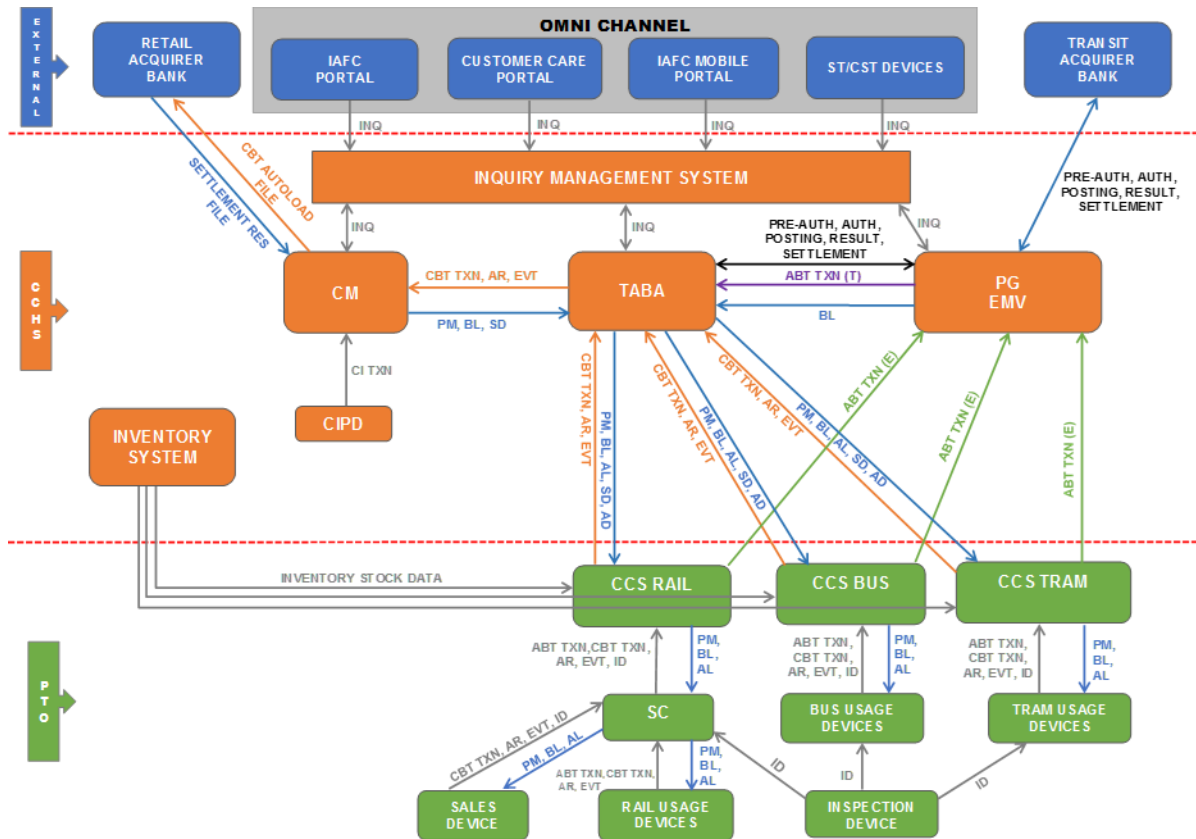
## IAFC Architecture



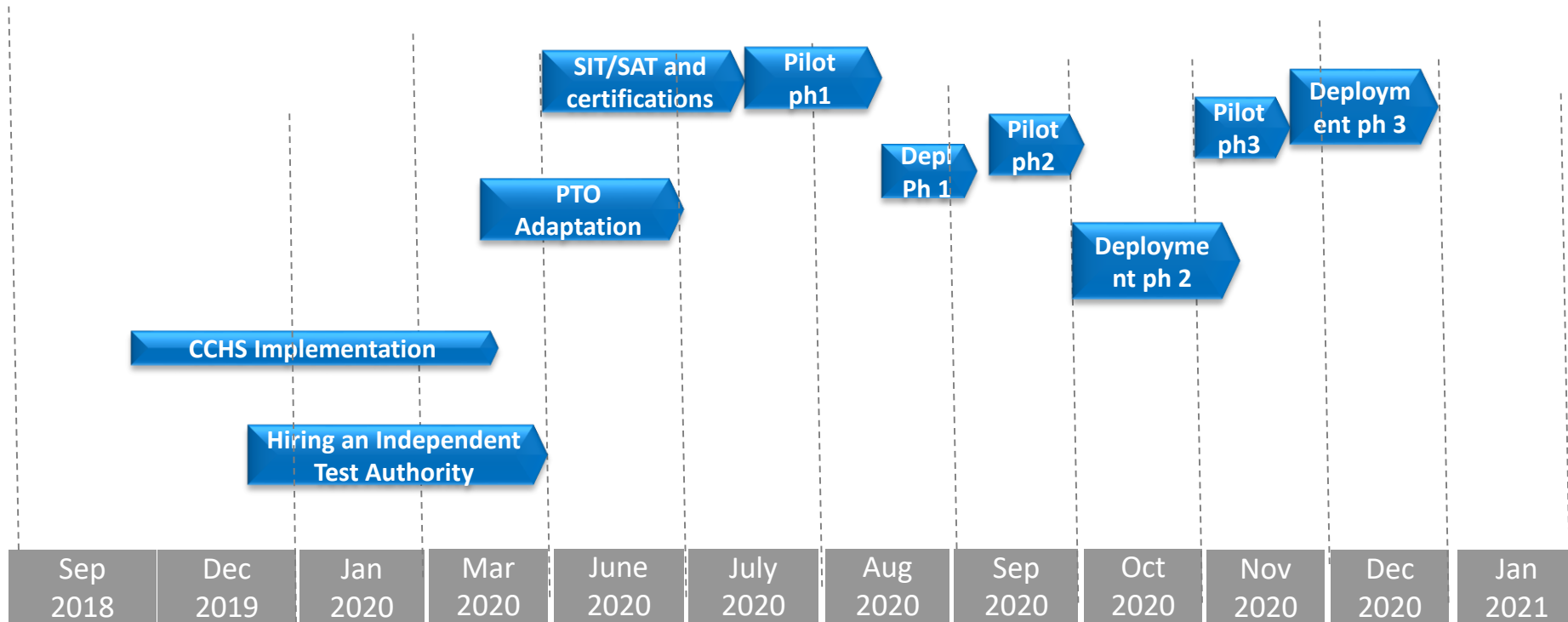
# Overall Solution



## System Architecture

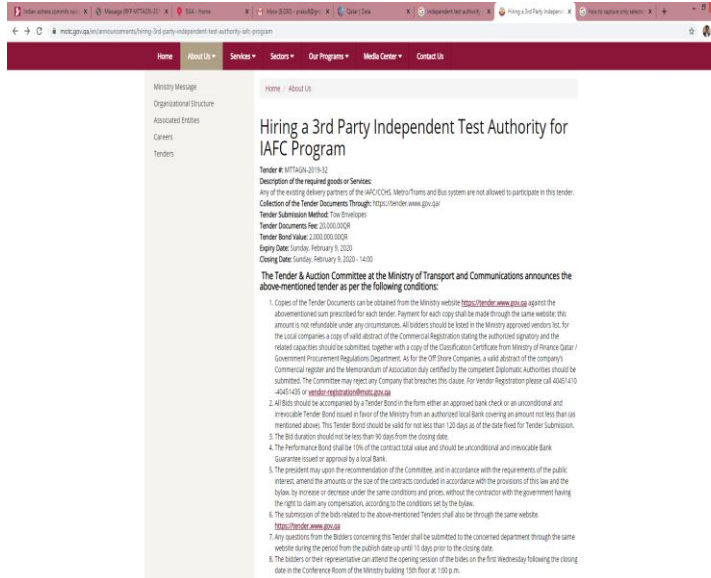


## Project Time Line



## Requirement of hiring an Independent Test authority

<https://www.motc.gov.qa/en/announcements/hiring-3rd-party-independent-test-authority-iafc-program>



# Challenges we are facing

- ❖ Lack of Transit model
- ❖ No transit payment association
- ❖ Adaptation by the existing vendors
- ❖ Test Lab preparation
- ❖ Centralized CRM etc

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MINISTRY OF TRANSPORT  
AND COMMUNICATIONS



# Thank You

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