

2021/CTI/WKSP4/011 Session: 2

Smart Transportation for Sustainable Development

Submitted by: DiDi



Workshop on Building Capacity in Promoting Inclusive and Responsible Business for Sustainable Growth in Digital Society 19-20 May 2021

DiDi

Moving the Future



Juan Andrés Panamá General Manager for Mexico & Argentina



The Cities of the Future

1.3 million Tons less of CO2 Emissions



Autonomous vehicles in China



Electric bikes fleet in China



Electric vehicles

1 million

Autonomous vehicles by 2030 Currently available in the app 6.7 trillion

km traveled with electric bikes in 2019

🛡 DiDi

1 million

electric vehicles worldwide and counting



Electric Vehicle D1 | Promotional photos



Jean Liu, Chairman of DiDi | Cheng Wei, Founder and CEO of DiDi



Assisted driving system

Includes automatic emergency braking, lane departure and pedestrian collision warning.



DiDi Smart Driver

Control panel that assists the driver at all times, maintains battery efficiency and allows fleets to be managed remotely



Better experience

It has color codes, sliding doors, greater control of the atmosphere and entertainment.



Showroom electric vehicle in the event | 2020



Cheng Wei, Founder and CEO of DiDi | Launching Event 2020

D1: The world's first electric car designed for platform travel

Big data in mobility: The key for urban development





Smart Cities

Smart street lights



Reversible lanes



Digitalization of bus routes

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Airport Experience







Dashboard in China



Smart Transportation Brain Global

+2,500 intersections analyzed globally

10% to 20%

decrease in road traffic on average

42%

Increase of speed in main corridors



Dashboard in Mexico

Smart Transportation in Mexico



- First cities in Latin America: Guadalajara and Puebla.
- Possible through direct collaboration with local state Governments.
 - No additional infrastructure, analyzing 490 intersections with *big data*.
 - Local authorities have exclusive access to a virtual and interactive dashboard.
- Allows for direct optimization of smart traffic lights.



First projects under the DiDi brand in Latin America

Expected benefits





Evidence-based decision making



Smart transportation: process



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The Smart Cities dashboard



2 Real-time congestion alerts 3

Monitoring of intersections + day and time

Visualization of delay per intersections



Name and general information of intersection

Signal plans per intersection



Our experience in Mexico

490 intersections in Mexico & +2,500 globally



320 intersections in Guadalajara



170 intersections in Puebla



Optimization in Av. Hidalgo in Guadalajara



In Guadalajara, DiDi was able to reduce the stop delay between 14% and up to 29%.

Results have been consistent over time, even when considering the effect of COVID-19 related restrictions.



- 1 Av. Hidalgo & Juan N. Cumplido
- 2 Av. Hidalgo & Jesús
- 3 Av. Hidalgo & Av. Federalismo
- 4 Av. Hidalgo & Mezquitan
- 5 Av. Hidalgo & Mariano de la Bárcena
- 6 Av. Hidalgo & Contreras Medellín
- 7 Av. Hidalgo & González Ortega

Before the optimization: 2021-01-04 to 2021-01-08 After the optimization: 2021-01-11 to 2021-01-15

This optimization has been active only during weekdays.

Saving time and costs

This type of projects could yield great benefits for our cities...

1,100 hours saved per day

400,000+ hours saved per year

\$3,600 USD saved per day \$1,300,000

+ USD saved per year

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