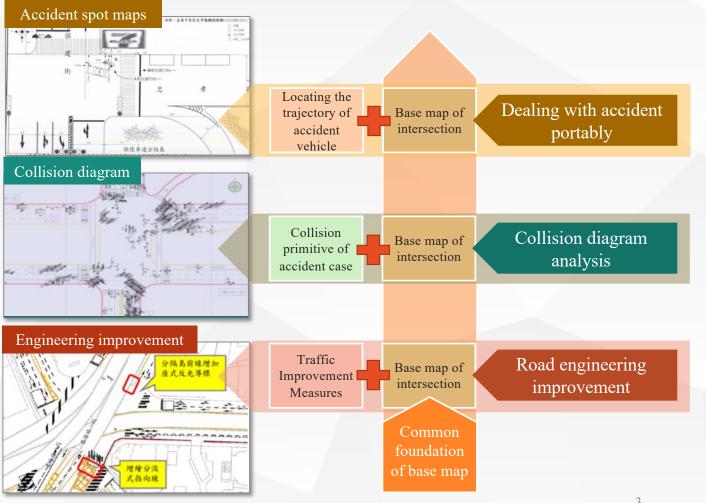


#### **Problem Analysis : Traffic Improvements Have No Scientific Backing is Like A Blind Men Feeling an Elephant**

		The citizens reported that traffic accidents often occur here, so today we convene all units to help improve.
	Village Chief	There are frequent accidents here, after the car comes over, then there is a car accident in front of it
	Traffic Division of police department	After investigation, 10 accidents occurred at this intersection this year, causing 11 injuries. The main cause of the accidents was failure to give way to vehicles in accordance with the regulations. There were 5 accidents in total, and the time of occurrence was mainly from 4 p.m. to 6 p.m.
HE 25-50# SILME RELATE		Please discuss the improvement plan of this intersection according to the reports of Village Chief and Traffic Division
	Traffic Engineering	It seems that the speed of the vehicles here is very fast, so I
	Section in Transportation	feel that there should be deceleration markings and the word
	Department	
	From the view of education	(What is the failure to give way to vehicles in accordance with the regulations)
	From the view of propaganda	( whether we need to preach to drivers that they should slow down at this intersection? )

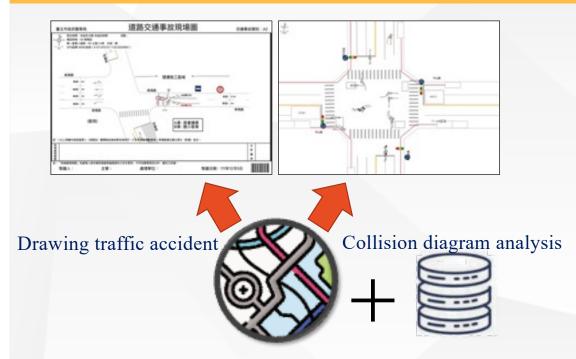
#### **Problem Analysis : Traffic Digital Governance Lack of Common Foundation**



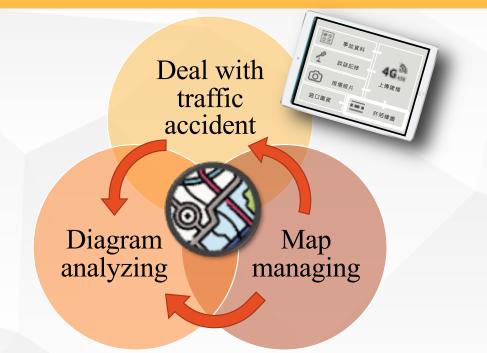


3

## **Core of Digital Governance : QianMo System**



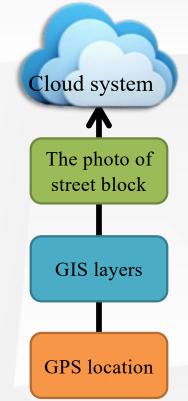
- QianMo System combines web applications and databases, and operating independently.
- QianMo System takes drawing street block as the core, which can derive traffic accident drawing and collision composition analysis.



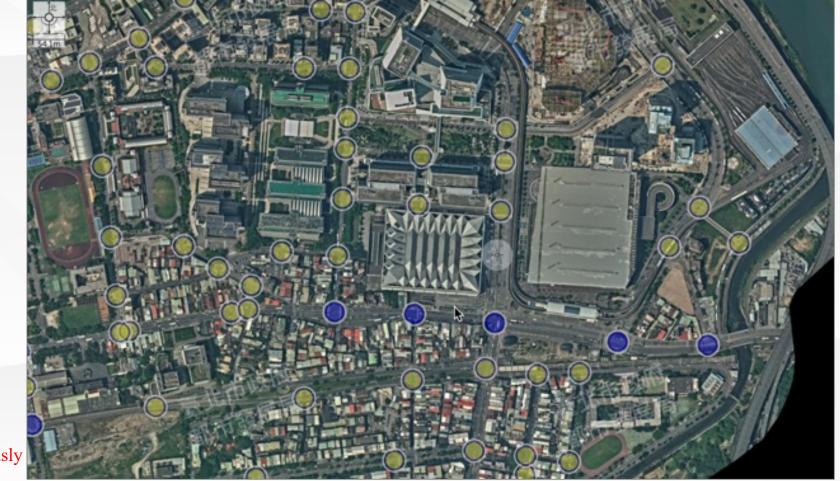
- The main design concept of QianMo System is to provide other platforms for drawing and information services
- QianMo System also can provide mobile devices, such as iPad, to develop application fot processing portably.

# **Road Geography Map : HD Mapping of Geographic Information**

GIS layer synchronous mapping technology which matching the scale and orientation



Scaling and overlapping are performed simultaneously

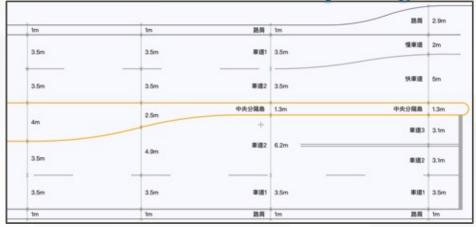


#### **Dealing with Traffic Accident : Smart Drawing with System Computing**

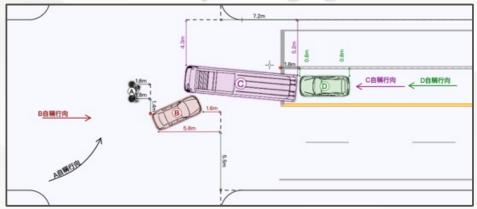
Automatically correcting angle which is more convenient for framing



Automatically displaying the road width which can avoid from repeating marking

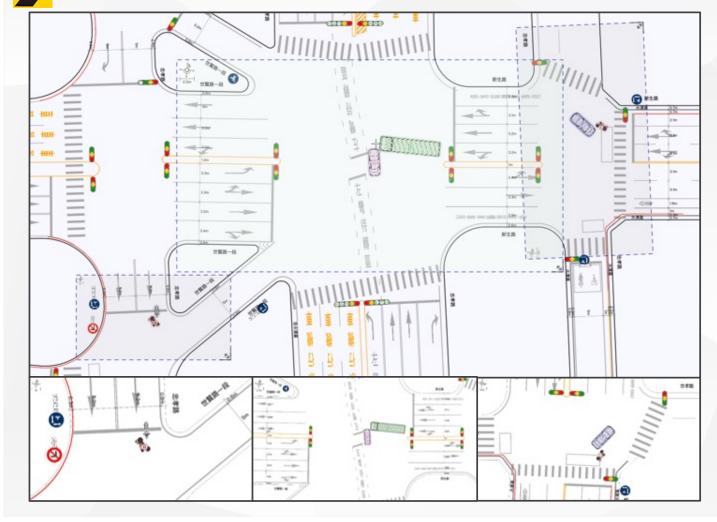


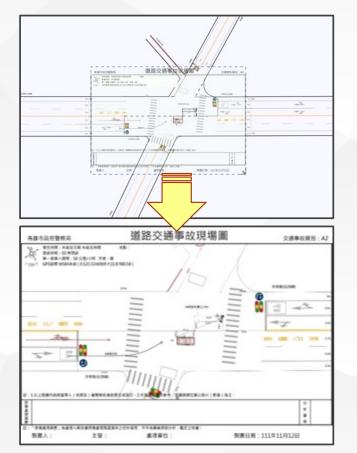
Automatically managing color



## **Dealing with Traffic Accident : Intelligent Outputting**

It's more convenient to capture the street block, and more efficient to output the accident spot map

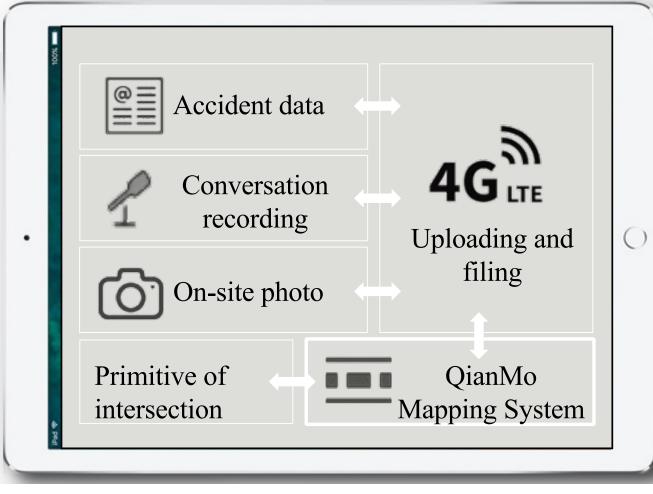




Accident at the intersection of Xinyi Rd. and Zhongxiao Rd. in Alian Dist. 7

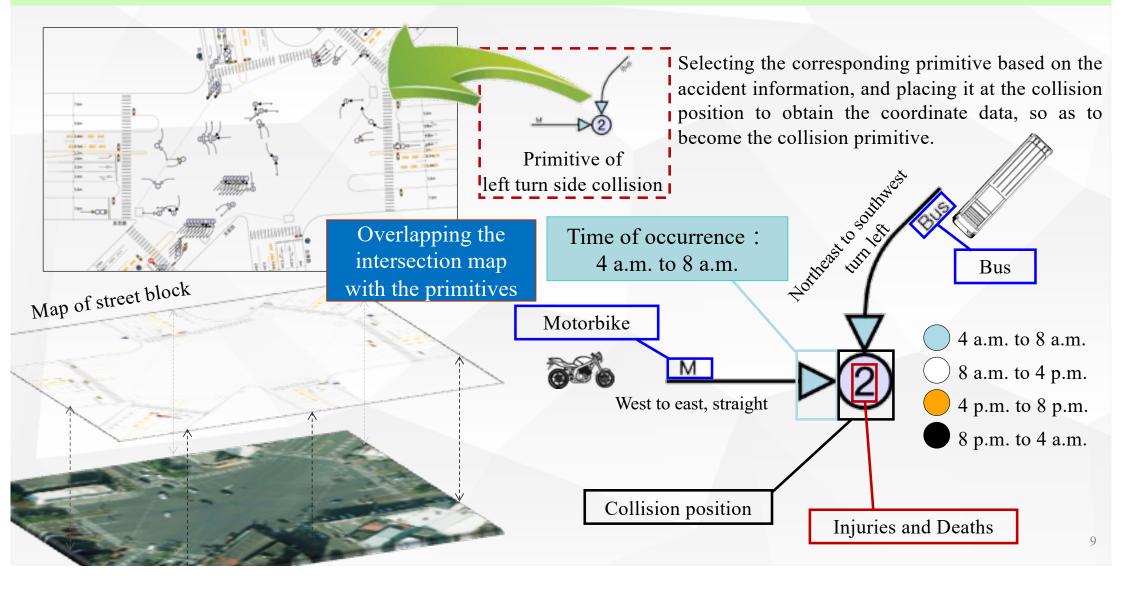
## Using the Application in Mobile Phone to Deal with the Traffic Accident

Solving problems through mobilization once in time, and using cloud archives to achieve full digitization



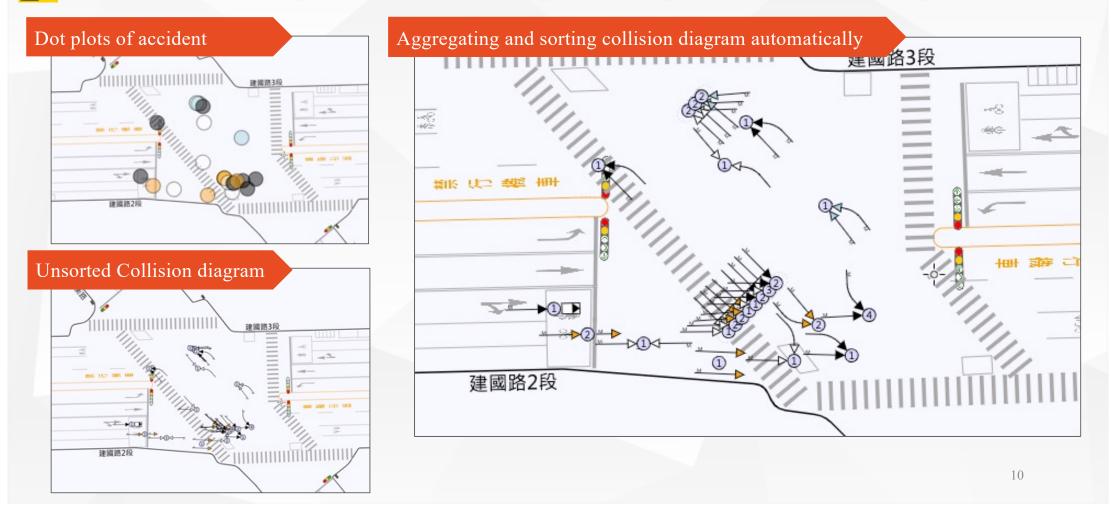


#### **Analysis of Collision Diagram : Visualizing the Trajectory of Accidents**

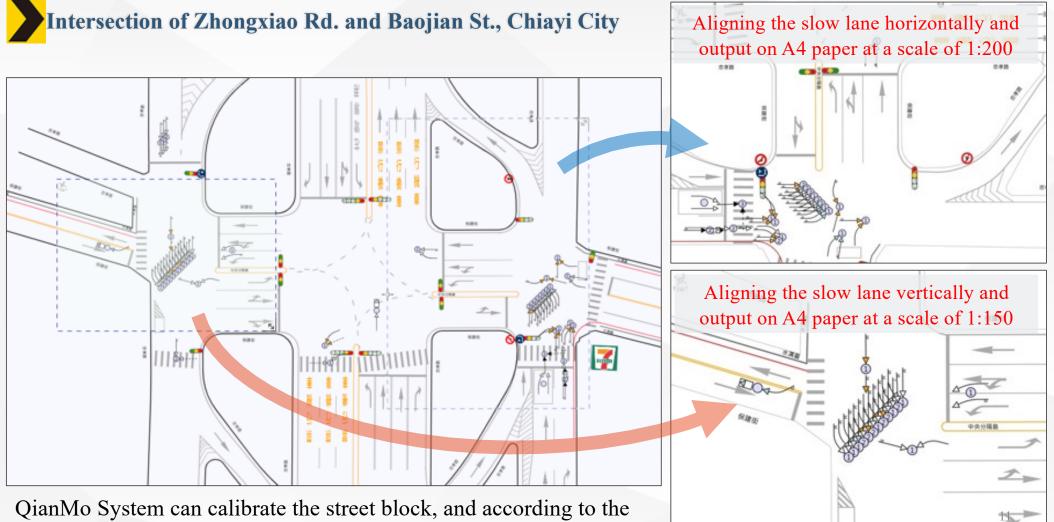


# Analysis of Collision Diagram : the Function of Aggregating and Sorting

Intersection of Jianguo Rd. and Wenheng Rd., Fengshan Dist., Kaohsiung City

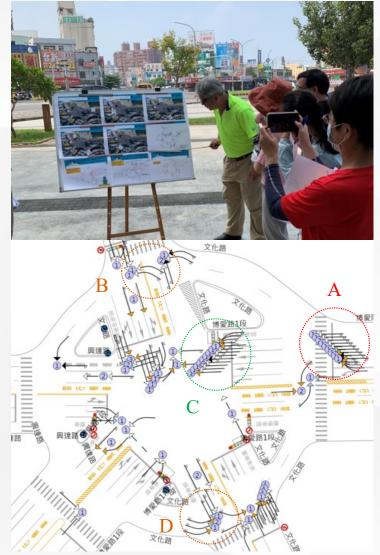


# **Analysis of Collision Diagram : the Function of Framing and Exporting**



QianMo System can calibrate the street block, and according to the specified scale, output the any position in collision diagram.

## **Analyzing accident : prone intersection and cross-domain improvement**



Traffic Division of police department

Traffic Engineering Section in Transportation Department

From the view of education

From the view of propaganda -

The police department informed that traffic accidents often occur at this intersection, so today we convene all units to help improve.

Please read the files at hands. The cause of the accident shown in the collision diagram of this intersection is that the right-turning car which driving from bridge to ordinary road crush the straight-going motorcycle, and the second cause is...

May I request the traffic engineering section to report the improvement plans developed for each accident cause.

According to the accident cause presented by the collision diagram, in order to reduce the interweaving of cars and locomotives, we can use traffic poles to extend...

Informing nearby schools to strengthen education on accident risks, and reminding parents who pick up and drop off children to pay attention for this issue

There are many accident cases between turning vehicles and straight-going vehicles, so it's necessary to strengthen publicity that turning vehicles should give way to straight-going vehicles.



# Thanks for Listening