



# AI Drives Smart City Development

## The Road Path to Urban Intelligence

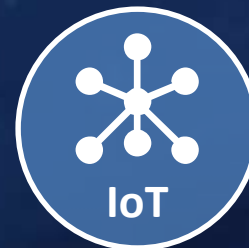
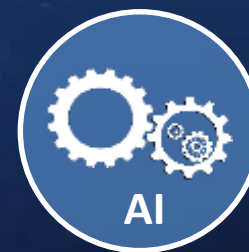
**LEADING NEW ICT**

# Build Digital Twins for Cities and Create an **AI-Based City System**



Central nervous system  
**City Brain**

Peripheral nervous system  
**Sensing Network**



City's KPI



# Building the Smart City Digital Brain

Situation Awareness

Decision-Making Analysis

Monitoring & warning

Event Management

Emergency command

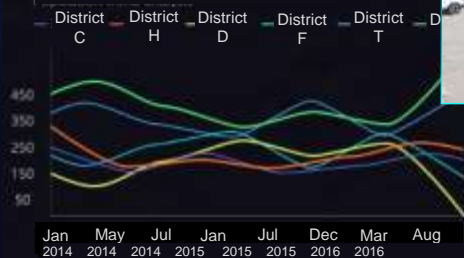
## Overall Situation (Macro)

Current location: South District, Science and Technology Park, District T, Beijing

### Economic innovation



### Population trend analysis



### Public safety



## Smart Operations Monitoring Center (Center of District T)



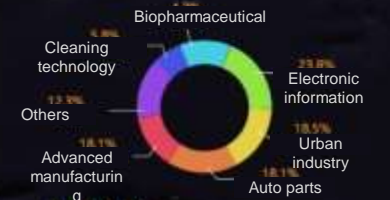
## Regional Monitoring (Meso)



## Detailed Analysis (Micro)

March 5, 2017 10°C

### Total industrial output composition



### Water supply



### Electric power supply



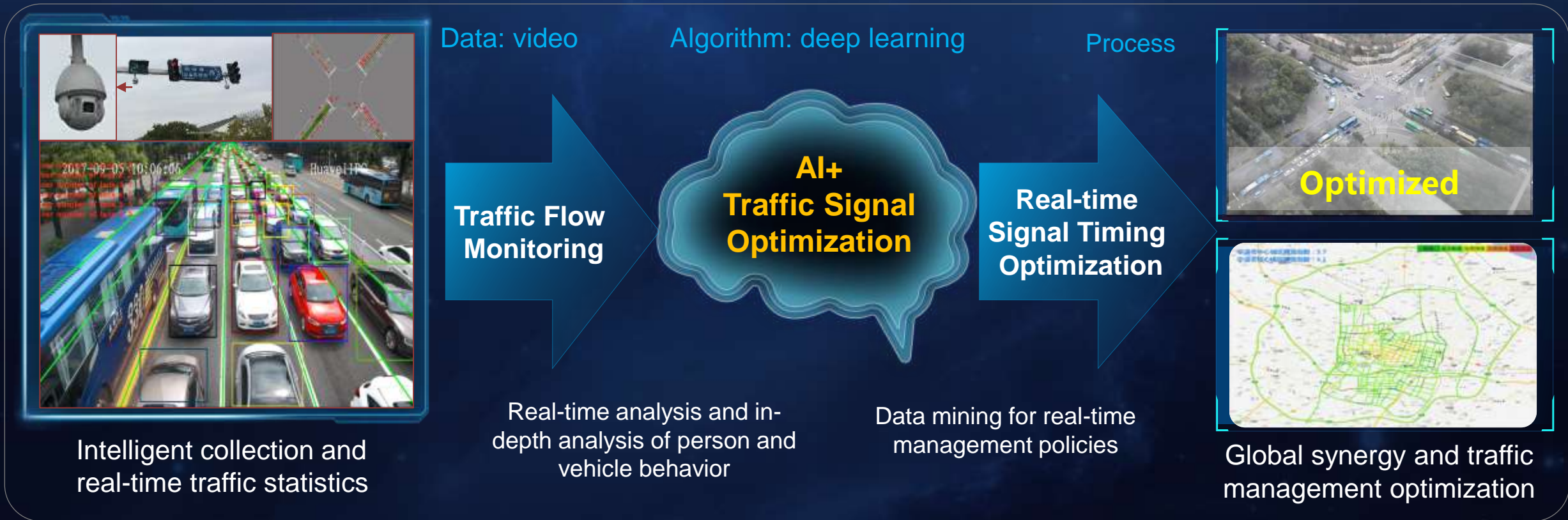
### Legend

- Municipal government offices
- District-level government offices
- Sub-district offices (township and town government)

# Transportation + AI

From regulating traffic with traffic lights towards letting vehicles pass based on vehicle quantity

The **TrafficGo Solution** has been deployed at 8 intersections in Shenzhen (Bantian),  
shortening the waiting time by **17.7%**



# Public Safety + AI

Longgang Smart policing is using Video Cloud and Artificial Intelligence to improve safety

Jacky Cheung held a concert at Nanchang International Sports Center, which accommodates **60,000 spectators**



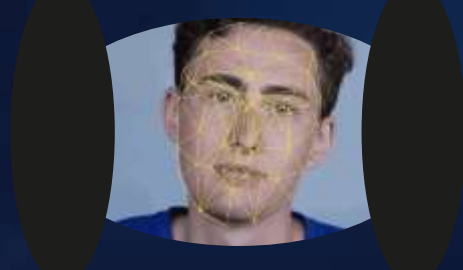
The crime rate is decreased by **28.79%**

**Data:** video



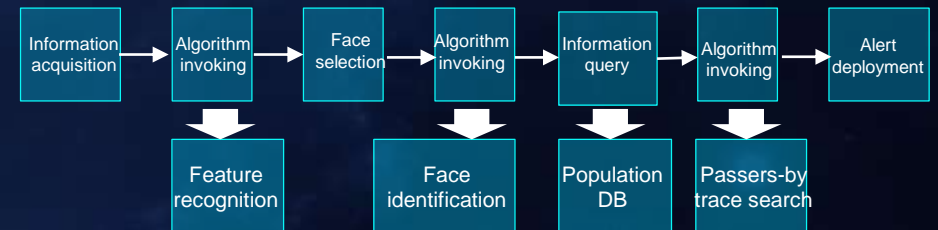
Mass data aggregation

**Algorithm:** deep learning



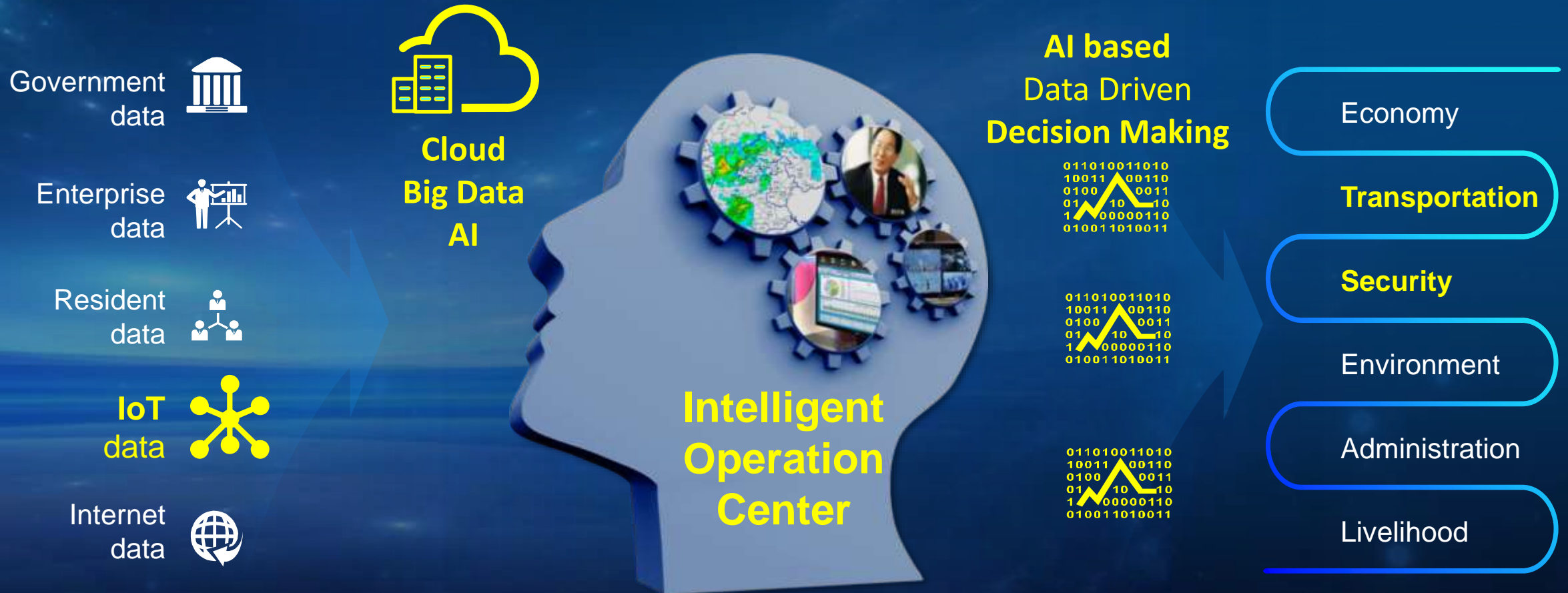
Elements for innovation

**Process:** from discovery to capture



Service innovation and transformation

# Artificial Intelligence + Intelligent Operation Center for an Innovative Data-Driven Decision Making



1. Links the physical and digital worlds by data
2. Uses data to help closing the monitoring-alarm-decision-action circle.

# The City's Digital Platform Achieves Urban Intelligence

Developed by Huawei & Ecosystem Partners

## City O&M

Smart Brain

## Smart Application

Ecosystem cooperation

## Digital Platform

AI as the core

Coordination of five  
resources

Industry enablement

## Infrastructure

Everything connected

Everything sensing



An aerial night view of a city, likely Shanghai, with a glowing network of white lines and dots overlaid on the cityscape, symbolizing smart city infrastructure. The city lights are visible through the network pattern.

# Global Smart City Footprint **160+** Cities in **40+** Countries

# THANK YOU

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