Security Level:

Al Use Cases for Smarter Cities

Safder Nazir VP Digital Industries Strategy



Smart City - Technology Trends



AI - Born 60 Years Ago

Нуре

Golden Years

- Dartmouth Conference
- Abundant funding

Dataseutic Conference: The Pounding Fathers of AI Image: Display the point of the point of



Al winter

- Failure in meeting expectation
- "expert systems"





Boom

- Big data and cloud promotes innovation
- Al rises with deep learning improvement





Timeline

Huawei Technologies Co., Ltd. | 3

1956



1970's

2000's

"By 2040 more crime will be committed by machines than by humans"

Source: https://www.raconteur.net/business/is-future-cyber-crime-a-nightmare-scenario

Al in the Real World Finding a Lost Child Using Video Analytics



Intelligent Algorithms Evolve from Simplicity to Complexity



Face recognition algorithms

Vehicle recognition

algorithms



Structured motor vehicle/non-motor vehicle/pedestrian algorithms

of various algorithms

Deep Learning Algorithms, Support Non-restricted Scenarios



Intelligent Traffic Management on The Cloud



Regional collaboration | region-based collaborative control, optimal road signal light configuration
Central control | Provides industry-leading real-time control and supports fixed periods.

Graph Engine Applications

Route planning



A few 100,000-level routing planning: 6.8 h-> minutes.

Auto insurance fraud prevention protection



Billion-level node 1,000,000,000 edge: enterprises to save XXX million

Citizen Interaction: Neural Generative Question and Answer



- Automatically extract knowledge from iCase (internal customer support document)
- Improved search accuracy by 19%
- Continuous improvement in question answering accuracy

UAE

- DEWA: Self-service, remote and robot only customer service centers
- Dubai Police: Smart Police Station with zero staff

Site Inspection: Monitor Service Provider Performance



1. Digital Inspection

Device Recognition (Accurate:80%~100%)



Site Investigate Range Error<2%



2. Automatic Check

Waterproof and quality testing

Interface, cable, label recognition and inspection



Intelligent Logistics Service Application



AI will Be Applied in Huawei's Future Business



AI: Enables Better Efficiency, Experience, and Competitiveness



"If we do not change the way we teach, 30 years from now, we're going to be in trouble."

Jack Ma, founder of Alibaba Group

Call to Action

Technology

 Understand the various elements of AI and predict how it can be incorporated into your smart city program

Legislation

- Legacy policies may need to be updated where AI adoption may be hindered as well as new policies
- Consider updating the education curriculum to refocus skills for the future

Partnerships

- Open industry and standard body collaboration to help solve our customer biggest challenges
- Learn from leading countries working AI usage and policies