OCF AI SOLUTIONS: PUBLIC & DEFENCE

SMART CITY

HIGHWAYS & SECURITY

PUBLIC SAFETY

MAPS & SURVEY

CYBER SECURITY

Artificial Intelligence (AI) is an area of research and technology application that can have a significant impact on public policies and services in many ways. Governments can use AI to design better policies and make better decisions, improve communication and engagement with citizens and residents as well as improve the speed and quality of public services. While the potential benefits of AI are significant, attaining them is not an easy task, the field is complex and has a steep learning curve. OCF's AI experience in working with public sector will ensure a seamless adoption from legacy to AI based projects.

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Smart City AI is going to play a huge role in making urbanisation smarter, the aim being sustainable growth making the cities equipped with advanced features to live, work, shop and enjoy a safe and more convenient life in such an environment. While developing cities to make "Smart Cities", several challenges like administration, sanitation, traffic congestion, security surveillance, parking management and many more that AI can help to provide a sustainable solution to habitants.

There are several applications OCF can help in implementing AI smart cities such as:
- Advance Security Camera & Surveillance System
- Vehicle Parking and Traffic Management System
- Autonomous Flying Objects for Ariel View Monitoring
- Face Detection Cameras and Movement for Public Safety
- Smart Waste and Disposal Management System

Highways & Security use intelligent video analysis systems for traffic monitoring of crossroads or parking areas. Its able to quantify, classify, and track vehicles both in indoor (parking) and outdoor (roads, highways) environments. It can be used in several contexts such as parking management, traffic management, traffic analysis, video surveillance and relevant road violations.

Public Safety encompasses a wide array of government responsibilities, from policing to responding to natural disasters.
AI technologies hold the promise of improving safety across this spectrum. Its potential to reduce, prevent and respond to crimes for example, creates a unique opportunity to establish safer communities: so far, it has been used for facial and image recognition, managing crime scenes and detecting criminal behaviours.
AI is adopted in certain areas in public safety
- Preventative Policing
- Supporting Criminal Investigations
- Combatting Terrorist Threats
- Responding to Natural Disasters
- Crowd and Traffic Control

Maps & Survey Geographical Information System (GIS) systems contain a wealth of information classified by geographical locations. This connection to AI is natural in the context of recent advances in computer vision and image recognition. This includes drones with high resolution cameras able to provide high resolution images for 3D maps; later using AI to visualise, identify, segment and predict objects and patterns on the maps.

Cyber Security Cyber warfare is becoming a growing concern for many governments and organisations. Governments are increasingly aware that we are now reliant on computer

systems to run everything from financial services to transport networks, and that an attack against these systems could be just as damaging as a traditional military campaign. OCF provides an end-to-end AI security solution for governments and organisations to detect and quickly respond to cyber security threats, using machine learning to profile and detect threats, compromised accounts, privilege abuse and other anomalies.