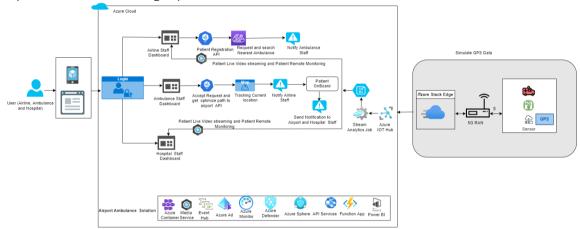# USE CASE 1 - AIRPORT AMBULANCE TRACKER

SLOW SERVICE RESPONSE TIMES FOR AIRPORT OPERATIONS EMERGENCIES

With ever-growing numbers of flights, airline operations are more complex than ever. And with thousands of aircrafts landing and taking off every day, even one or two minor mishaps may lead to emergency.

During any emergency, it's important to safeguard the life of passengers and staff at the airport. For which, it's essential to provide immediate medical aid to the victims in the vicinity providing quick medical support to the affected person proper co-ordination amongst all the stakeholders, such as airport staff, ambulance Staff and hospital staff.

AIRPORT AMBULANCE TRACKER

In order to minimize delay in providing medical help and save precious lives, there is a necessity for automating the process of airport medical assistance. HCL's Airport Ambulance Tracker solution aims to leverage Azure Cloud and 5G to provide faster medical aid to the victims in the airport vicinity. This solution will have different modules likes Web portal, Mobile App, Bing map tracker etc. It aims to integrate all the stakeholders, such as airport staff, ambulance staff and hospital staff within a single platform.

VALUE PROPOSITION

- This helps in automating the process of medical assistance in cases of emergencies such that delay is minimized and precious lives are saved.
- Proposition to reduce up to 40% of the delay in response times in case of medical emergencies.

Following 5G sensors will be use in ambulance.

- Blood pressure
- Heart rate
- HRV (Heart Rate Variability)
- GPS sensors
- 5G Supported Camera (Live Monitoring)

Network

- 5G RAN
- 5G Core MS Azure

Azure Services:

- Azure Cloud

- Azure AD
- Media Services
- API Services
- Azure Monitor
- Azure Sphere
- Azure Container
- Azure IOT Hub
- Azure Defender
- Stream Analytics Job
- Function App
- Power BI
- Stack Edge
- Bing Map
- Cosmos DB