

SHADOWEXTREME PRESENTATION


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Problem Statement

- To develop an automated aircraft exterior damage report system using Generative AI App.
- Existing systems requires ground aircraft engineers such as Airbus SRM system to type the report on handheld devices after inspection and select which parts have minor or major damage which can increase the delay time of a flight or aircraft or in worst case scenarios cancel the flight if the destination airport or origin airport is closed for some period of time.
- Due to increased flight turbulences and lost trustiness of Boeing, passengers may soon lose interest in airline or aircraft type.
- <https://aircraft.airbus.com/en/newsroom/news/2021-05-srm-damage-assessment>

Solution

- Generative AI Web Application that can work on both laptops and mobile devices.
 - The prototype runs on Gemini pro model and Streamlit as a frontend.
 - The system analyses the image of the aircraft, identify the parts that are in minor and major repair, calculate overall costs and decide on three status levels whether the aircraft is air-worthy or should be grounded to conduct repairs.
 - Chat AI Aircraft Assistant bot(optional): Provides more information about aircraft part when asked prompted by the user.
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Aircraft Chatbot AI Assistant

Aircraft AI Assistant

Input

Ask the question



ShadowExtreme: Aircraft Exterior Damage Report Application

Choose an aircraft image



Drag and drop file here

Limit 200MB per file • JPG, JPEG, PNG

Browse files

Generate Report

Market Target

- Airport Companies
- Airlines
- Aircraft Manufacturers
- Government
- Aircraft Maintenance Companies
- Target Countries: India, KSA, UAE, UK, USA

Business Model

- Subscription and Licensing fees with 1 year contract.
- Most probable to launch in UAE and India markets.
- Competitors: Airbus SRM system and other internal reporting systems by airlines, airports etc.
- Stakeholders: Pilots, Gate Managers, Ground Aircraft Engineers, Maintenance Engineers, Cabin Crew Leader

THANK YOU

