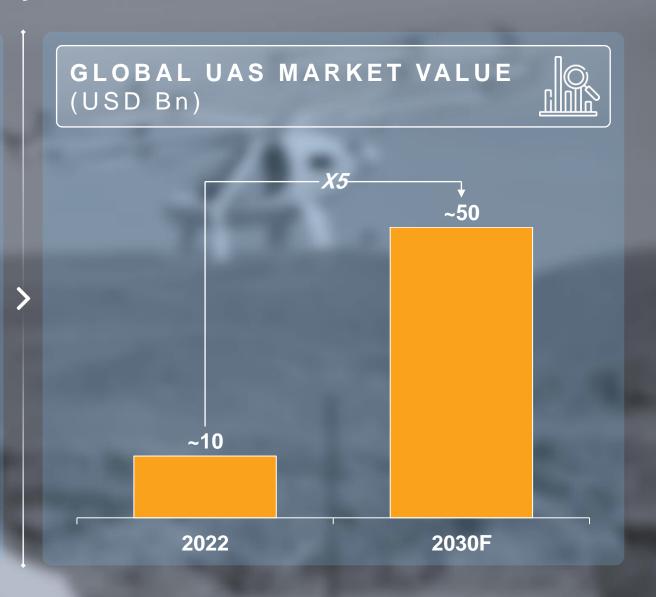


The global UAS market is expected to skyrocket in the next decade

KEY DRIVERS Public acceptance and interest on UAS solutions Growing need for sustainable air transportation **Technological developments in** propulsion and other adjacent fields



Not exhaustive

Specific use case potential for KSA



<u>[[]]</u>





INDUSTRIAL APPLICATIONS

Large oil and gas sector, requiring inspection and maintenance of facilities, e.g., offshore sites, and power infrastructure



CARGO

HRH Crown Prince
approved in August the
Master Plan for Logistics
Centers to make KSA a
Global Logistical Hub¹, a
great case for cargo UAS



PILGRIM TRANSPORT

+30 million Muslims
targeted in 2030 on
pilgrimage, while Makkah
has the highest
congestion, especially
during Hajj



REGIONAL AIR MOBILITY

KSA has a considerable number of relevant cities within 250 miles and relatively poor ground connectivity, making it a suitable market for RAM





Hence, KSA has made considerable progress in the UAS space seeking for collaboration with national and international players

Past and ongoing initiatives in KSA on UAS



Saudi Health and Saudi

carried out trials in July

to transport blood units

Hajj Season. These trips

using UASs during the

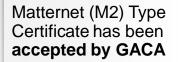
have shortened the

transportation time for blood units from 2.5 hours to 2.0 minutes.

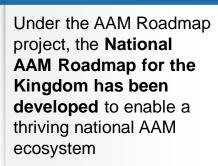
Post SPL successfully







Several Saudi
universities are testing
UAS systems, driving
local knowledge and
enabling industry
localization



















The mega project drives the development of the AAM ecosystem in KSA supporting trial flight is collaboration with international OEMs

Recent UAS progress in NEOM





First flight of an air taxi eVTOL in Saudi Arabia NEOM Experience Center, May 2023

- NEOM Advanced Air Mobility team is targeting to begin testing the VoloDrone prototype heavy lift Unmanned Aerial Systems (UAS) by Q4
 2023
- The AAM team is responsible for obtaining and coordinating all necessary approvals, permits, and permissions required to authorize the flights with the national civil aviation authority and any other relevant authority
- Full payload and range capabilities of the aircraft will be explored during the flight test campaigns



GACA has regulations governing drone operations to enable several use cases in the Kingdom

KSA UAS operations overview

Available regulations



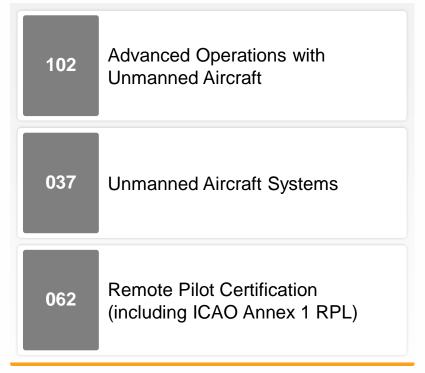
Coming regulations



New UAS regulations (to be published in Q4 2023)

Adopt ICAO standards for RPAS into national regulations





RPAS Operations Annex Airworthiness of RPAS Annex RPAS C2 Link & Detect and Avoid Annex Air Traffic Management (ATM) for RPAS Safety management RPAS Annex operators



شكــراً لكــم Thank You



