



DESCRIPTION

Qods Aviation Industries (QAI) as one of the subsidiary industries of Iran aviation organization, produce a wide range of Unmanned Air Vehicles. (U.A.V) that are used for surveillance and reconnaissance missions and target acquisition. Having commenced the design and manufacture of UAVs in 1985 QAI now finds itself with a wide portfolio of success fulfilling a number of requirements.

In addition to the UAVs, this industry produce several types of parachutes such as: personnel parachutes, cargo parachutes, recovery parachutes, and para gliders.



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SAEGHE 2 AERIAL TARGET SYSTEM

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PIC: 000913

DESCRIPTION

SAEGHE 2 is a medium to high performance remotely controlled missile target designed for surface-to-air armament systems training and evaluation. The **UAV** airframe is constructed mainly of composites.

This system can be equipped with three **IR** flares, and a radar corner reflector to enhance **IR** radiation and radar image (**RCS**).

GUIDANCE AND CONTROL

Full microprocessor-based autopilot control, programmable with or without control. Two alternative ground control systems: in-sight flight unit for visual control without telemetry data, and **GPS** - based programmable navigation system which allows target to be controlled, tracked and viewed on monitor during both in sight and out-of-sight missions.

GROUND CONTROL STATION

The ground control station (**GCS**) provides all of the functionality necessary for mission planning and in flight monitoring of the **UAV**. The **GCS** is designed as a mobile or portable.

POWER PLANT: One 25 hp Two-cylinder, two-stroke engine, two-blade propeller.

Launch: by booster rocket from a short-length ramp

Recovery: parachute recovery system, belly skid landing on land (Emergency)



SPECIFICATIONS

TYPE	SAEGHE2
Air Frame:	Composite
Wing Span (m):	2.60
Length (m):	2.81
Max. Take-Off Weight (kg):	60
Operating Range (km):	50
Endurance (min):	45
Operating Ceiling (ft):	11,000
Max. Speed (km/h):	250



MOHAJER 2 UAV SURVEILLANCE SYSTEM

PIC: 000903

DESCRIPTION

MOHAJER II was designed as a reconnaissance and surveillance **UAV** system. This **UAV** can be based on shipboard or deployed on land to carry out different missions such as: real time video imaging reconnaissance, aerial picturing and battle areas surveillance for covering various targets on the surface.

GUIDANCE AND CONTROL

MOHAJER II can be operated either under remote control from the **GCS** or automatically, controlled in the latter case by its GPS-based onboard automatic navigation system. Flight path is governed by a digital autopilot set to either automatic (preprogrammed-99 waypoints) mode or to semi-automatic mode for **GPS** operator.

Launch: Pneumatic Launcher

Recovery: Skid landing or Parachute recovery system

MAIN TASKS AND FUNCTIONS OF THE UAV :

- Aerial reconnaissance and battle field surveillance
- Border patrol
- Aerial photography
- Target positioning, artillery shooting adjustment
- Communication relay
- Traffic control



SPECIFICATIONS

TYPE	MOHAJER 2
Air Frame:	Composite
Wing Span (m):	3.80
Length (m):	2.91
Max. Take-Off Weight (kg):	85
Operating Range (km):	50
Endurance (min):	90
Operating ceiling (ft):	11,000
Max. Speed (km/h):	200



ABABIL 2 - UAV SYSTEM

PIC: 000918

DESCRIPTION

With simple commands, the target area will be in your hand in real time. **Ababil 2**, is an UAV highly automated and simple to use, full pre-programmed, in flight programmable and/or pilot controlling from the ground station for:

- Observation and target location
- Reconnaissance and surveillance
- Communication relay
- Police and civil safety
- **Launching:** by jato
- **Recovery:** by parachute or skids



SPECIFICATIONS

TYPE	ABABIL 2
Operational Radius (km):	100
Endurance (min):	75-120
Flight Altitude (ft):	11000
Max. Speed (km/h):	250



ABABIL 3 - UAV SYSTEM

PIC: 000907

DESCRIPTION

Real-time situation awareness is a critical matter for decision-makers in every operation, both in civil and military conditions. The key of success depends on timely delivery of information.

Ababil 3 is an UAV with a low radar-cross section used for:

- Surveillance and Reconnaissance
- Communication relay
- Electronic war

CAPABILITIES:

- Real time transmission of the acquired data
- Digitized map with aircraft position and main flight data
- Full pre-programmed, in flight programming and/or semi automatic programming
- Photographing according to the program
- Reconnaissance and surveillance
- **Take off:** by wheel or rocket-assistant
- **Recovery:** by parachute or runway

