



HATS

Air Vehicle Transfer Systems

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SONITUS Engineering is a company that continues its design activities in Teknopark İstanbul and GOSB Hightech which produces its products in the Factory in Dilovası İMES.+

SONITUS Engineering serves with superior technology, high brand quality and a dynamic and experienced staff in many fields, especially in the Defense, Maritime and Marine Construction Industries

SONITUS Engineering takes part in important projects by offering technology based solutions and products In this context, it continues its R&D activities intensively and produces new methods and solutions with its innovative structure.



Product

HATS

Air Vehicle Transfer System

Air Vehicle Transfer System (HATS) is specially designed to transfer aircraft in and around the landing areas.



HATS provides high maneuverability to air vehicles within the tight spaces of the flight deck, ship's hangar, and a ground apron.

HATS saves up to 40% of valuable hangar space, that makes it ideal for Navy, Coast Guard or commercial applications. Environmentally friendly HATS carries out its operations silently in the work space.

The control mechanism of HATS is provided by the operator by remote or wired connection, so that the operator is fully aware of the surroundings. Additionally, autonomous versions are designed to be offered as an option.



HATS has the power to tow an aircraft weighing up to 12 tons. Moreover; an advanced version that can carry 60 tons of aircraft is optionally available.

HATS can reach a maximum speed of 4 km/h.

HATS has the ability to rotate 360 degrees around the towing point. Thus, HATS provides transportation for the air vehicle to the desired location in a much shorter time, with low maintenance costs and maximum energy savings

HATS

Advantages

Air Vehicle Transfer System (HATS) is specially designed to transfer aircraft in and around the landing areas.

- High Maneuverability
- Up to 40% space saving in the hangar
- Can rotate 360° around the landing gear
- Maneuverability with a smaller rotation circle
- Rechargeable batteries
- Zero emissions
- Easy maintenance
- Quiet operation thanks to batteries
- Operation capability in a wide range of weather conditions
- Usability in enclosed spaces





HATS

Technical Solutions

Air Vehicle Transfer System (HATS) is specially designed to transfer aircraft in and around the landing areas.



Chassis System

- Frame
- Lifting Arms
- Carrier Turntable

Electrical System

- DC Batteries
- DC Battery Controller
- Electric Cables
- Relays
- Circuit Breakers



Automation System

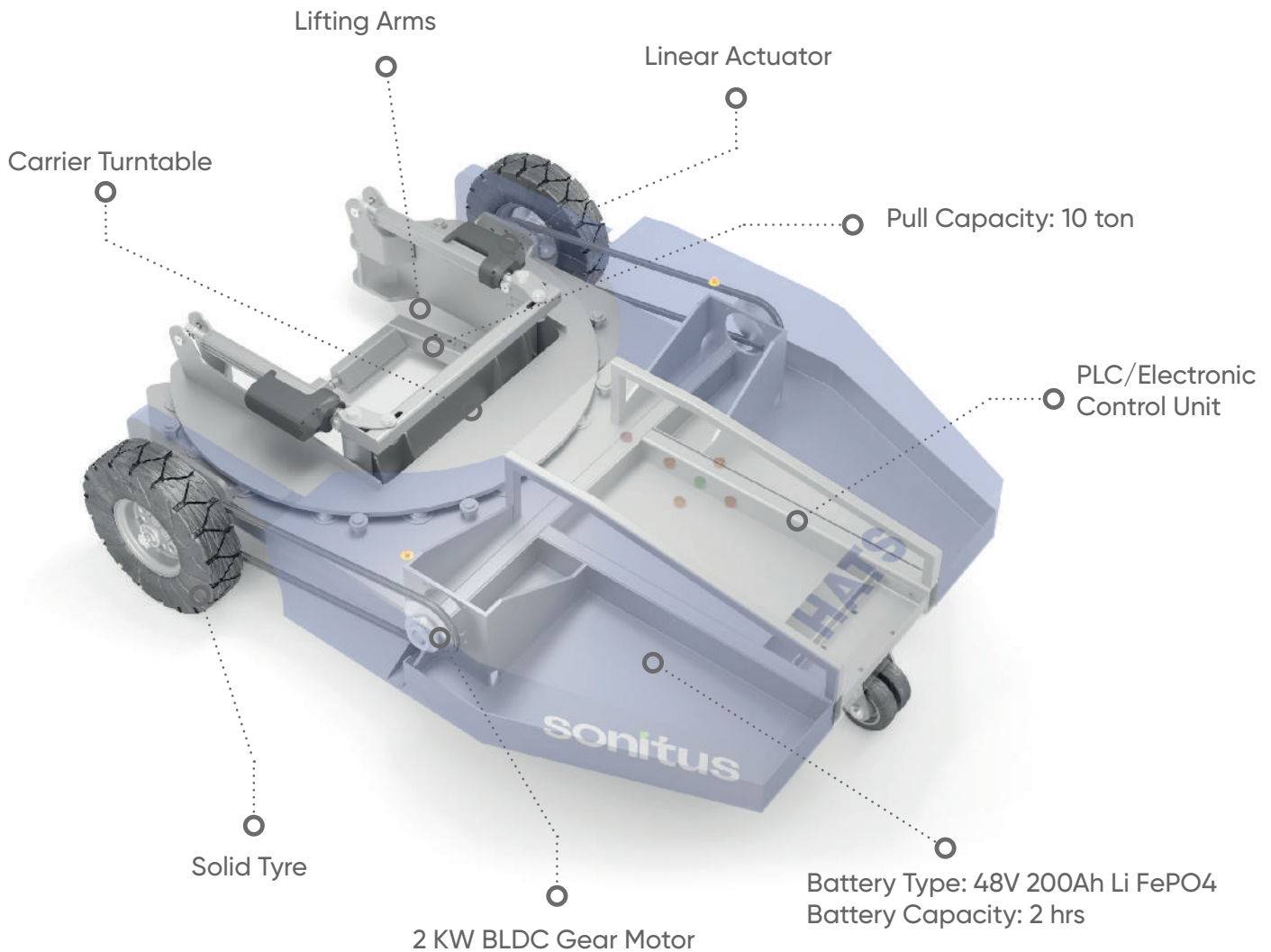
- BLDC Gear Motors
- Linear Actuators (Lifting)
- Castor Wheels
- DC Motor Driver
- Electromagnetic Brakes
- Control Panel and Cable
- Environmental Sensors
- Emergency Stop Buttons

HATS

Technical Solutions

Air Vehicle Transfer System (HATS) is specially designed to transfer aircraft in and around the landing areas.

System Distribution General Arrangement



HATS

General Features

●	Dimensions	2100 mmx1600 mmx470 mm
●	Weight	1,2 ton
●	Drive System	Electric drive
●	Max Speed at Full Weight	4 km/h
●	Voltage	220V
●	Battery Type	48V 200Ah Li FePO4
●	Battery Capacity	2 Hrs
●	Pull Capacity	12 ton
●	Turning Circle Diameter	800 mm





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Innovative Tech Company





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