

DEFENCE AND SPACE

Target Systems & Services



AIRBUS

Target Systems & Services by Airbus Defence and Space

For more than 50 years

Armed Forces worldwide are supported in their Live Firings

- Ground based Air-Defence
- Ship-Defence Units and
- Air-2-Air Trainings

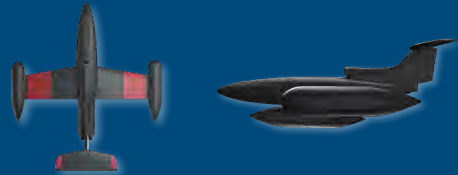
TS&S globally delivers

- Towed Aerial Targets
- Direct Aerial Targets
- Naval Surface Targets

and provides the Operational Services.

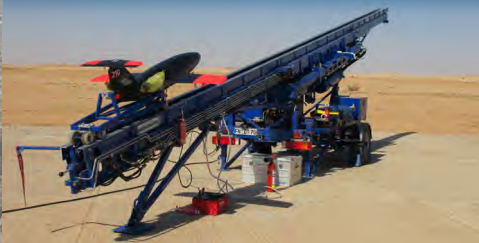
Support Services

- Live and Constructive Air Defence Training
- System Test, Evaluation & Qualification
- Unmanned Airborne Test Platform



Benefits

- Authentic Training for Operators and Crews
- Chain of Command Procedure Training
- Realistic Evaluation of Personnel and Weapon Systems



Proven Service

Guaranteed Reliability

- No downtime during Life Firing Exercises
- Guaranteed performance of Target Missions
- Pay per Performance

Proven Quality

- >2,000 Aerial Targets produced
- >3,000 successful missions worldwide
- Various RPAS Certifications

Experience

- Self-sustained mission teams
- Deployable all around the world
- Over 50 years of experience in Aerial Targets and Services

Customized to Mission

Augmentation

- Infra Red
- Radar (active/passive)
- Visual (smoke/light)
- Laser

Role

- Miss Distance Indicator
- Low Level Kit
- Electronic Warfare Kit
- Counter Measures (active/passive)

Special

- Missile Simulator DT55
- External Fuel Tank
- IFF-Transponder
- Active Radar Ermitter



Flexibility

- Various Platforms to simulate Threats
- Simultaneous operation of different platforms






Mini Drone Swarming

Swarming Mini Drones Targets

To cover training of Counter UAS – focused on the category of mini drones approaching in high numbers – the swarming capabilities of multi-copter drones as a target platform is available in the portfolio of Airbus Target Systems & Services.

Preplanned attacks will be performed with configurable numbers of drones for training purposes. Additional payload can extend the training, providing support of training with the real threat scenarios of mini drones.



<p>Performance</p> <p>Dimensions</p> <p>Weight</p>	<p>Max. Speed: 19 m/s</p> <p>Endurance: 15 - 25min</p> <p>Operating Altitude: 10m – 1,000m</p> <p>Operating Range: 2,200m</p> <p>MTOW: 1,900g</p>	
<p>Payload Options</p>	<p>Visual Augmentation: Light</p> <p>Payload options: Marking material Drop item for attack simulation</p> <p>of up to 400g can be carried</p>	
<p>References</p>	<p>Operation of drone swarms since 2019</p>	



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DO-DT25

The Multipurpose Aerial Target

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DO-DT25 – The Multipurpose Aerial Target

The Do-DT25 is the autonomous medium-speed Multi purpose Aerial Target. Designed to provide threat simulation for surface-to-air and air-to-air missile training and evaluation for radar as well as infrared guided missile systems and gunnery. It is capable of carrying a variety of external and internal payload options.



Performance @ SL, ISA	<ul style="list-style-type: none"> • Max. Speed: 300 kts • Endurance: 60 min (mixed speed) • Operating Altitude: 35 - 30,000 ft • Operating Range: 110 km (LoS)
Payload Options	<ul style="list-style-type: none"> • RCS Augmentation: Passive / Active • IR Augmentation: Permanent / Flares • Laser Augmentation: Laser Reflection Foil, Laser Prism • Visual Augmentation: Smoke, Light • Special Role Equipment: Video Camera, IFF transponder, Miss Distance Indicator, LowLevel Kit, Electronic Warfare Payload, Countermeasures, external Fuel Tank, Missile Simulator (Do-DT55)
Dimensions and Weight	<ul style="list-style-type: none"> • Length Overall: 3.1 m • Wing Span: 2.5 m • MTOW: 144 kg
Experience / References	<ul style="list-style-type: none"> • Family in Service since 200 • 2 Family Units built >2,500 • Patriot • Stinger • IRIS-T SL • CIWS • RAM • ESSM • NSSM • Sidewinder • AMRAAM • Standard Missile • Sparrow • Umkhonotho • Mistral • Crotale • Shahine • Spyder

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DEFENCE AND SPACE

DO-DT45 neo

The High Speed Aerial Target

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DO-DT45 – The High-Speed Aerial Target

The Do-DT45 is the autonomous high-speed Aerial Target, designed to provide threat simulation for surface-to-air, air-to-air and ship-to-air missile training and evaluation.



Performance @ SL, ISA	<ul style="list-style-type: none"> • Max. Speed: 450 kts • Endurance: 40 min (mixed speed) • Operating Altitude: 35 – 30,000 ft • Operating Range: 110 km (LoS)
Payload Options	<ul style="list-style-type: none"> • RCS Augmentation: Passive / Active • IR Augmentation: Permanent / Flares • Laser Augmentation: Laser Reflection Foil, Laser Prism • Visual Augmentation: Smoke, Light • Special Role Equipment: Video Camera, IFF transponder, Miss Distance Indication, LowLevel Kit, Active Radar Emitter
Dimensions and Weight	<ul style="list-style-type: none"> • Length Overall: 2.3 m • Wing Span: 1.8 m • MTOW: 95 kg
Experience / References	<ul style="list-style-type: none"> • Family in Service since 2002 • Family Units built >2,500 • Stinger • IRIS-T SL • Patriot • CIWS/SkyGuard • Main Gun • RAM • Standard Missile • ESSM • NSSM • Umkhonthono • Sidewinder • AMRAAM • IRIS-T • VL-Mica • Mistral

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DO-DT55 neo

The Air-Launched Missile Simulator

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DO-DT55 – The Air-Launched Missile Simulator

The Do-DT55 is the autonomous high-speed Aerial Target drone, designed to provide simulated air launched threats for surface-to-air, air-to-air and ship-to-air missile training and evaluation. The Target will be air-launched from the Do-DT25 CA (Carrier) and is designed to simulate Anti-Radar or Anti-Ship Missiles.



Performance @ SL, ISA	<ul style="list-style-type: none">• Max. Speed: 485 kts• Endurance: 5 min• Operating Altitude: 30 - 25,000 ft• Operating Range: 110 km (LoS)
Payload Options	<ul style="list-style-type: none">• RCS Augmentation: Passive / Active• Laser Augmentation: Laser Reflection Foil• Special Role Equipment: Video Camera
Dimensions and Weight	<ul style="list-style-type: none">• Length Overall: 1.6 m• Wing Span: 0.5 m• MTOW: 22 kg
Experience / References	<ul style="list-style-type: none">• Family in Service since 2002• Family Units built >2,500<ul style="list-style-type: none">• Patriot• Mantis• Standard Missile• ESSM• NSSM• Spyder

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DEFENCE AND SPACE

DO-TP 25

The Unmanned Airborne Testplatform

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DO-TP 25 – The Unmanned Airborne Testplatform

The unmanned aerial testplatform. The proven system support for your development.

- System of System Development
- Single UAV Technology Development
- Equipment Development



Performance @ SL, ISA	<ul style="list-style-type: none">• Max. Speed: 300 kts• Endurance: 60 min (mixed speed)• Operating Altitude: 35 - 30,000 ft• Operating Range: 110 km (LoS)
Payload Options	All Direct Target Standard Payload plus <ul style="list-style-type: none">• Enhanced Mission Computing• Extended Power Management• High bandwidth Datalink• Sensor Suite (Optical, RF, IR)• Space for your requirements• Extended Power Management
Dimensions and Weight	<ul style="list-style-type: none">• Length Overall: 3.1 m• Wing Span: 2.5 m• MTOW: 144 kg• Payload Capacity: 34 kg
Service	<ul style="list-style-type: none">• Serialised UAV platform• Flexible adaptation to any payload needed• Test planning and organisation• Achievement of Permission to fly• Flight Operations• Data collection and analysis

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