

# TALON DT-300

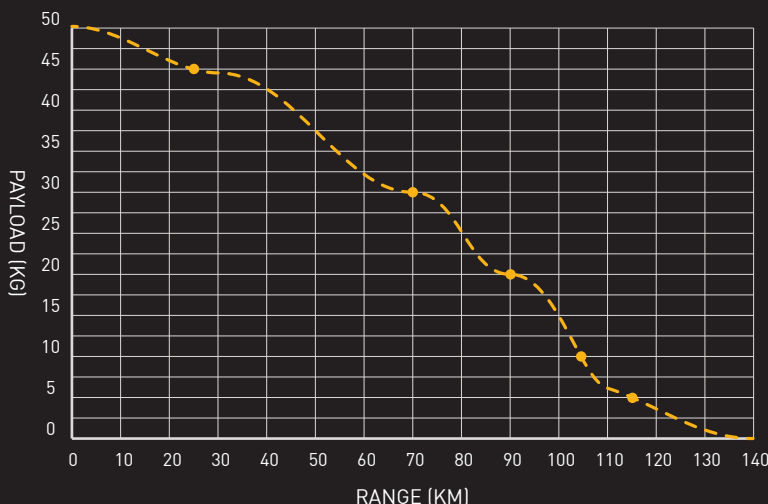
## FULLY ELECTRIC, MULTI-ROLE UAV SYSTEM

INDUSTRY LEADER IN: • PAYLOAD • RANGE • COSTS • DEPLOYABILITY

The TALON DT-300 is a fully electric, easily deployable VTOL payload delivery system that can be reloaded and reused time after time.

Powered by a fully automated twin rotor, it's unlike anything the industry has seen before - driving down costs while maximizing impact. The DT-300's versatility makes it suitable for a wide range of uses, spanning commercial ventures and humanitarian missions.

### PERFORMANCE DATA



### PAYLOAD V RANGE METRICS

PAYLOAD	MAX RANGE (ONE WAY)	*DROP RADIUS (OUT & RETURN)
0 KG	140 KM	70 KM
5 KG	115 KM	58 KM
10 KG	105 KM	55 KM
20 KG	90 KM	50 KM
30 KG	70 KM	45 KM
45 KG	25 KM	15 KM

\*FLY OUT WITH PAYLOAD - DROP PAYLOAD - RETURN WITH ZERO PAYLOAD

ZERO PAYLOAD INCLUDES RAPTOR EO/IR CAMERA AND DTC LONG-RANGE DIGITAL DATA LINK (UP TO 60KM LOS)



LEARN MORE

**MADE IN  
BRITAIN**

**ROTRON**  
AEROSPACE



**ROTOR SIZE**  
2 X 3.5M (11.5FT)



**MTOW 90KG**  
(WITH 45KG PAYLOAD)



**CRUISE SPEED**  
80KM/H (50MPH)



**BOXED DIMENSIONS**  
L:155CM W:73CM H:54CM



**MAX DROP RADIUS**  
45KM (WITH 30KG PAYLOAD)



**MAX RANGE: 140KM**  
30KG PAYLOAD: 70KM



**ENDURANCE**  
2HRS (10KG PAYLOAD)



**MAX ALTITUDE**  
5,000M (16,400FT)

**TALON DT-300**



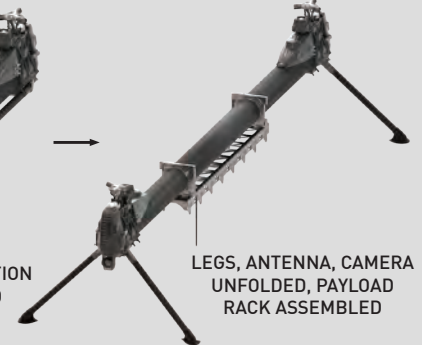
EASILY STORED &  
TRANSPORTED (SUV)



FOLDED DT-300  
REMOVED FROM BOX



CENTRAL SECTION  
UNFOLDED



LEGS, ANTENNA, CAMERA  
UNFOLDED, PAYLOAD  
RACK ASSEMBLED

- **ADAPTABLE:** TO ANY PAYLOAD UP TO 45KG (100 LBS)
- **DEPLOYABLE:** THE ROTOR BLADES AND AIRCRAFT FUSELAGE FOLD INTO A VERY COMPACT FORM FACTOR (L:1.3M x W:0.7M x H:0.5M).
- **SIMPLE:** ELECTRIC OPERATION. INDUSTRY STANDARD USER INTERFACE. OPERATOR TRAINING IN 1 HR.
- **RELIABLE:** 1000 HRS TBO (TIME BETWEEN OVERHAUL).
- **HIGH AVAILABILITY:** RAPID BATTERY CHANGING AND CHARGING.
- **STABILITY:** CYCLIC AND COLLECTIVE CONTROL OF THE ROTOR BLADES AND A HIGH THRUST TO WEIGHT RATIO ENSURES HIGH STABILITY IN CROSS WINDS AND TURBULENCE.
- **EFFICIENT:** LARGE TWIN ROTORS PRODUCE FORWARD TRANSITIONAL LIFT AND WITH NO ENERGY WASTED ON THE TAIL ROTOR.
- **HOME GROWN:** BUILT IN UK AND NOT RELIANT ON FAR EASTERN COMPONENTS.
- **COST EFFECTIVE:** USED IN PLACE OF MANNED HELICOPTERS.
- **ENVIRONMENT:** IP65 RATED.

## ABOUT ROTRON AEROSPACE



Rotron Aerospace are specialists in designing and manufacturing UAS propulsion systems and VTOL aero-systems. As industry leaders and operators of long-range VTOL air systems, Rotron Aerospace enables safe and cost effective aerial intelligence solutions for surveillance, inspection, search and rescue missions, cargo delivery and aerial deployment of FPV drone systems beyond visual line of site.

Founded in 2008 to create the lightest, most powerful, and vibration-free power units, Rotron Aerospace now supplies some of the world's largest aerospace OEMs and UAS manufacturers.