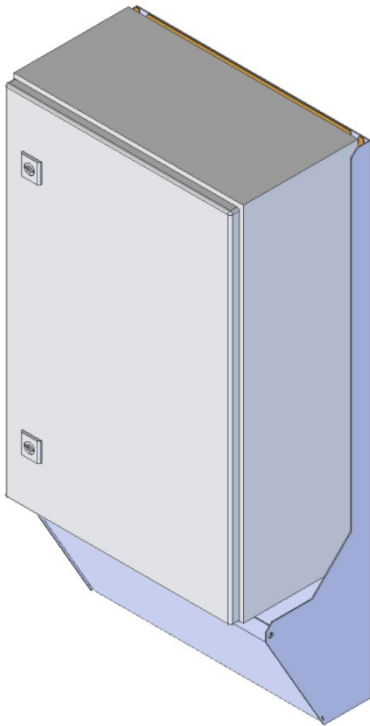
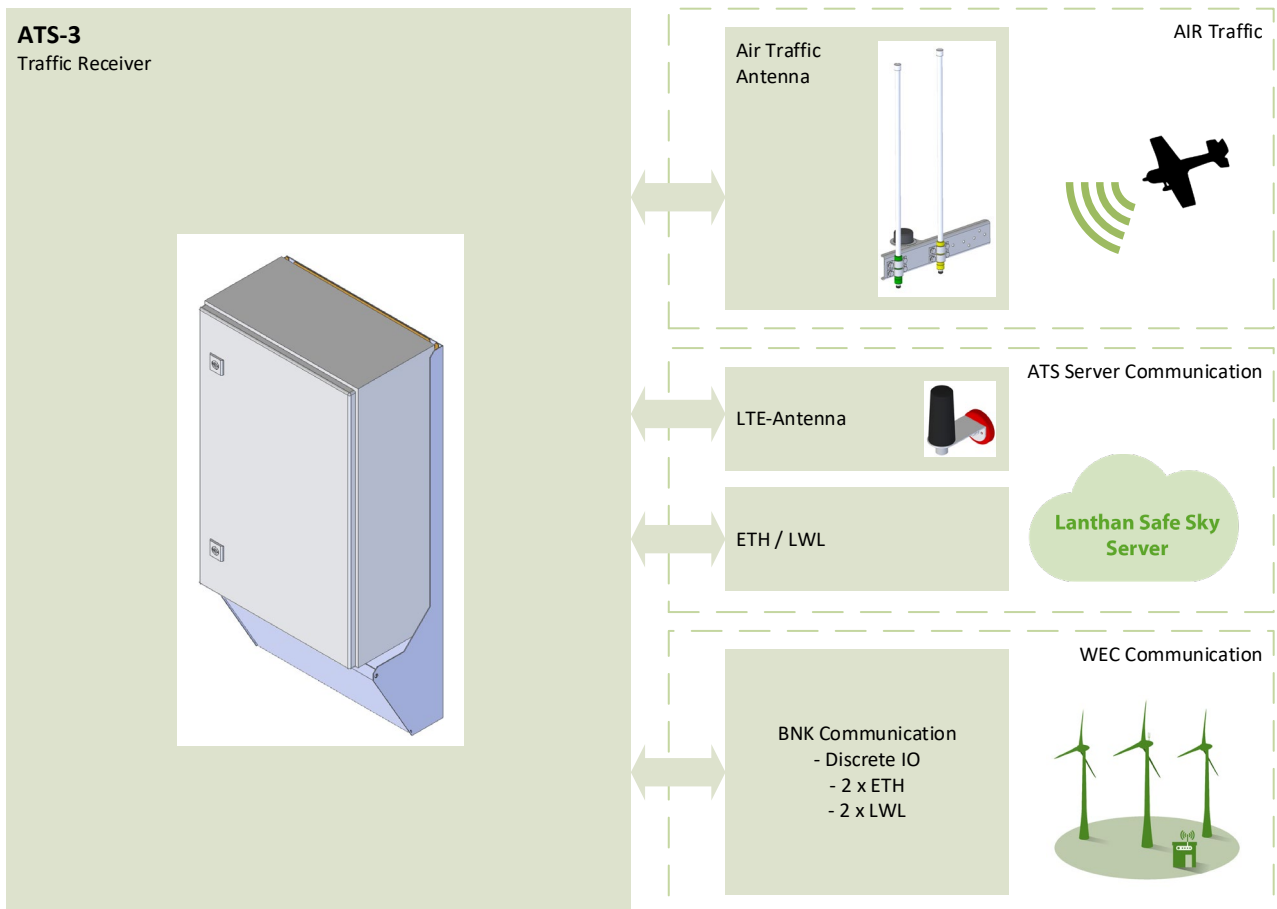


ATS-3 Datasheet



ATS-3

is the core of the Lanthan Safe Sky ADLS System. It contains the traffic receivers and the communication modules for processing the data to the central ATS Server and communication modules for processing the data from the central ATS Server to the wind farm communication network or the obstacle light system. The unit consists of a control cabinet and a mounting frame with surge suppression units. A 19"-rack mount version will be available shortly.



Picture 1: ATS-3 Communication Overview

Mechanical Data	
Dimensions (W x H x D)	390 x 810 x 230 mm (incl. mounting frame and surge protection)
Weight	max. 25 kg
Mounting	Vertical / Horizontal
Material	ATS Cabinet: stainless Steel V2A 1.4301 Mounting Frame: zinc plated steel
Temperature	-40°C - 50°C
Protection	IP65

Electrical Data	
Power Supply	230V AC, (B6A internally fused) max. 100W (15 - 20W without heating)
Antenna Interface (incl. surge protection)	1 x 1090MHz N-Connector 1 x FLARM N-Connector 1 x GPS N-Connector
Communication Interfaces	2 x LTE Antenna Connector 2 x Ethernet RJ45 6 x 24V Digital In 6 x Digital Out (Relay: COM NO NC) 2 x LWL with SFP module (optional)
Communication Protocols	Modbus TCP TCP-Socket (TLS) (according to various WEC Manufacturers)

Added Equipment	
Air Traffic Antenna (on nacelle roof)	1 x 1090MHz 1 x FLARM 1 x GPS Mounting carrier and cables according to WEC type specification
Communication Antenna (inside nacelle)	2 x LTE Antenna Mounting carrier (e.g. magnet mount) and cables to WEC type specification
Installation Material	Cables: power supply, grounding, interface Including all mounting material

Article Overview	
ATS-3 Vertical Mount	40100001
ATS-3 Horizontal Mount	40100002
ATS LWL Module	40200001
SFP Module	on specification
Added Equipment	According to WEC Type BOM