**PURCHASE SPECIFICATIONS FOR A MILITARY PORTABLE AIRFIELD LIGHTING TRAILER**

**MODEL: MILITARY TRAILER**

##### General Overview

Military Portable Airfield Lighting Trailer is intended to store, charge and transport mobile airfield lighting system.

The Trailer shall be designed the following way:

* Shall have enough space to accommodate an entire mobile airfield lighting system,
* Shall provide safe/secure storage and transportation of airfield lighting equipment,
* Shall allow for charging of lighting equipment inside the Trailer.

**Description**

The Trailer shall be divided into 5 compartments:

* Two compartments shall be placed on the left and right side of the Trailer,
* One compartment shall be placed at the rear part of the Trailer,
* Hermetic lockable box with switchboard shall be placed at the front of the Trailer,
* Hermetic lockable box with UR-201 Control & Monitoring Unit shall be integrated into a Trailer.

The Trailer shall accommodate the following items:

* up to 120 x SP-401 portable airfield lights (to cover min. 3.000 m / 10.000 ft RWY length),
* up to 1 x full portable PAPI system (PAPI = 4 x PAPI projectors),
* 1 x UR-201 Control and Monitoring Unit,
* 1 x UR-101 Handheld Controller,
* 2 x electric generators,
* 2 x power banks for portable PAPI.

**Physical and Mechanical Characteristics**

* The height, length, and width of the Trailer shall comply with the road regulations of the country (countries) where the Trailer is going to be used,
* The walls of the Trailer shall be made of aluminum,
* The chassis of the Trailer shall be made of stainless steel,
* Shall be equipped with automatic retractable high mast flood light,
* Shall be equipped with the following types of lighting:
	+ internal lighting (color red),
	+ internal lighting (color white),
	+ external lighting (color white),
	+ internal NVG flood light,
	+ external NVG flood light,
* Shall have braking system,
* Aluminum blinds (doors) shall be lockable,
* Shelfs where lights are placed shall be extendable (optional),
* All compartments when closed shall be waterproof and dustproof.

**Electrical & Charging**

* Shall be capable to use minimum two power sources for charging airfield lights:
	+ 110-230 VAC,
	+ electric generator (optionally),
* Shall be equipped with drop-in charging platforms for mobile lights,
* Shall have internal battery of min. 100Ah to support off-grid Trailer operations.