

Track Surveillance Drone

ID	Req	Info
	Environmental Conditions	
1	The HW shall be designed to operate from -420 m up to a maximum of 2000 m above sea level	
2	The HW shall be designed in a way that the requirements of directive 2011/65/EU are fulfilled.	
	System Architecture	
3	The drone has the logic to detect any defect to the tracks in sight.	
4	For availability reasons it shall be possible to have in a product all controller levels redundant	
	Interfaces	
5	The transport protocol for the communication with the interlocking is RaSTA.	
6	Remote diagnosis for any component fault is available.	
	RAMS	
7	The lifetime of the product is 25 years starting from installation.	
8	The availability figures according to NeuPro shall be fulfilled.	
	Installation/Commissioning/Engineering	
9	An application or engineering guideline is needed. This gives the framework conditions for a customer project how to be allowed to set together the different building blocks and what is being delivered from the generic context and what has to be done within the specific customer project context.	
	Maintenance and Diagnosis	
10	No periodical or preventive maintenance shall be necessary.	
11	All relevant information related to asset management shall be possible to be requested from remote by a centralized asset management system via a non safe connection .	