

➔ **System AMS is designed for control, signalling and monitoring of the following airport systems and equipment**

- airfield ground lighting (AGL)
- constant current regulators (CCR)
- radionavigation equipment and systems (RNE)
- equipment En Route
- electric power systems (EPS)
- meteorological equipment (ME)
- protection zones
- control and monitoring of distant objects
- receiving, sending and processing of data from the Aviation Fixed Telecommunication Network (AFTN)
- central time
- monitoring and processing of basic information (weather, traffic restriction, ATIS, occupation, databases, emergency cases) designated for air traffic control
- the necessary pre-requisite is furnishing of appropriate input signals from monitored equipment and devices stations evaluation of data for the needs of CAT II and CAT III
- archiving of exploitation and failure states

➔ **Selection from many modifications in dependence on**

- airport category according to ICAO (NO CAT, CAT I, CAT II, CAT III)
- number of take-off / landing runways
- number of required working sites for airport operation
- number of airfield ground lighting systems
- requirements concerning convenience of operation
- number of connected devices



➔ **Certificate basis**

- system fulfils requirements for control and monitoring in accordance with ICAO ANNEX 14, STANAG, MAK, FAA
- system complies with regulations for air traffic under low visibility conditions CAT II / III
- system satisfies procedures for operation under conditions LVP / LVTO

SYSTEM AMS	PICO	MICRO	MINI	STANDARD	MAX
Airport category according to ICAO	NO CAT	NO CAT	CAT I	CAT II	CAT II/III
Number of take-off / landing runways	1	1	1	1	1 or more
Maximum number of working sites	1	2	2	3	1024
Acoustic alerting	signal	signal	voice	voice	voice
Monitoring and control of power system equipment	-	yes	yes	yes	yes
Full monitoring airfield ground lighting	-	-	yes	yes	yes
Connection of meteorological station	-	-	yes	yes	yes
Time synchronization with use of GPS	-	-	yes	yes	yes
Archiving of operational and failure states	-	-	yes	yes	yes
Watching of objects and fire alarm	-	-	yes	yes	yes
Remote servicing supervision	-	-	yes	yes	yes
Monitoring and control of radio-navigation equipment	-	-	-	yes	yes
Compatibility with the system LMS	-	-	-	yes	yes

chapter:

2.1

AMS

