



BENEFITS

- ▶ **Transportable system**
- ▶ **Control of airstrips and landing zones for up to 72 h (helicopter, aircraft and parachute operations)**
- ▶ **All weather capability**
- ▶ **Total weight of equipment approximately 60 kg**
- ▶ **Designed for servicing a total runway length up to 1.400 m**
- ▶ **Wireless activation and data transfer**

The system is designed to support special forces (CCT) for setting-up and operating landing zones and airstrips for up to 72 hours. It provides the technology to assist air transport and parachute operation in different environments i.a.w. NATO regulations.

For operation with fixed wing aircraft 18 remote controlled LIGHTS are available to illuminate airstrips with powerful LED technology.

The LIGHTS are fitted with white (15cd/50cd), red (10cd), green (10cd), blue (< 10cd) and INFRARED LEDs and can be detected by pilots beyond a distance of 5 NM.

For daylight operation RUNWAY MARKINGS can be used to provide the aircraft pilot additional support for safe landing.

The load capacity of the airstrip and the landing zone will be checked by using a PENETROMETER. The CENTRAL INFORMATION AND CONTROL SYSTEM consists of two small ruggedized LAPTOPS (one active, one back up).

On each LAPTOP weather data can be displayed, which are transmitted wireless from a small WEATHER STATION to the laptop. Afterwards the weather information is transmitted to the pilot by using radio communication.

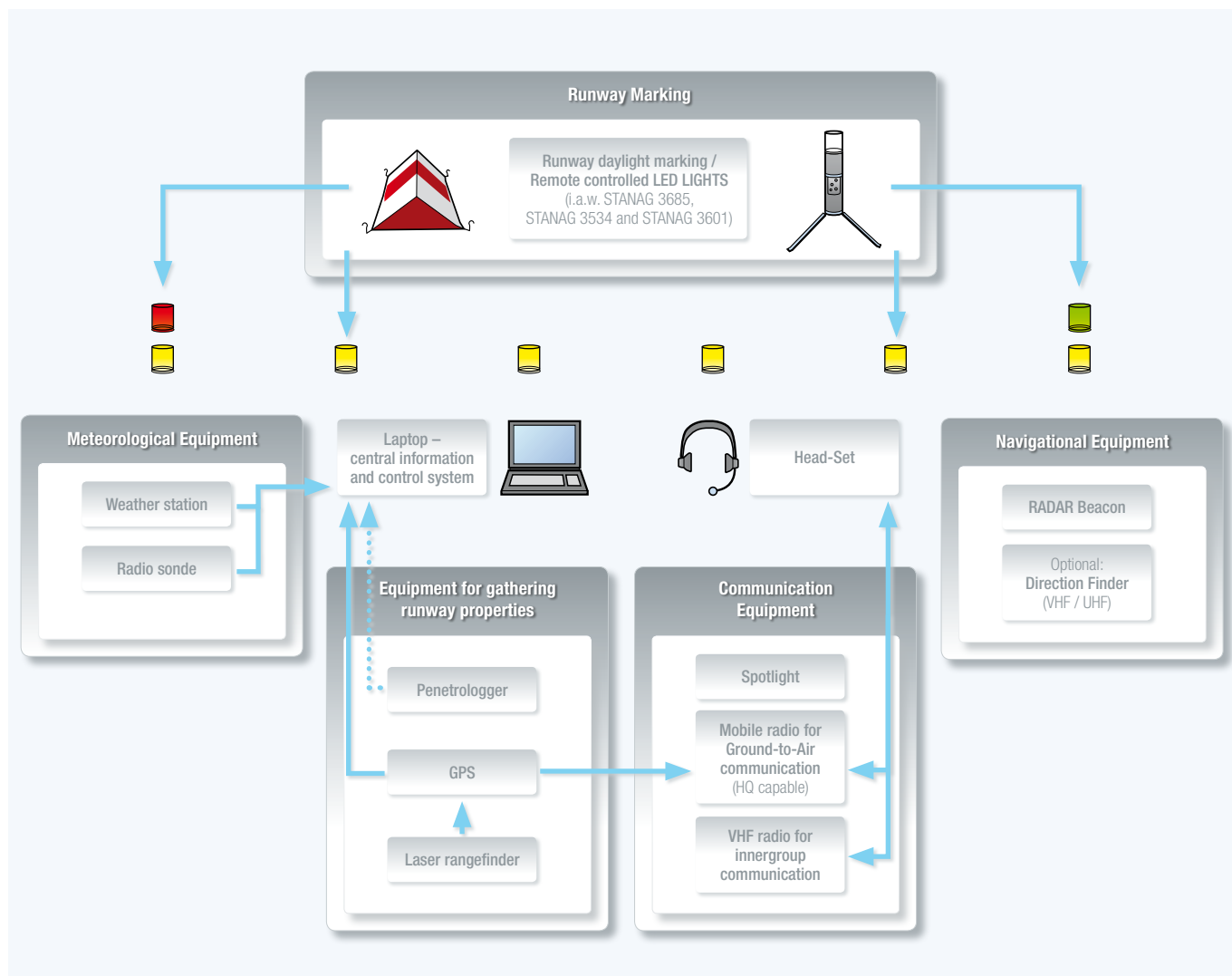
An analyses program for RADIO SONDES data is installed on the laptop to plot the average wind speed and direction in a predefined altitude band. RADIO SONDES are lifted by BALLOONS filled with helium gas. The sondes' signal is received by a COMMUNICATION RECEIVER which is connected to the laptop via the audio port.

Equipment for Special Forces – Operation of Airstrips by Combat Control Team (CCT)

A GPS receiver can be connected to a high end LASER RANGEFINDER and to the LAPTOP to record geographical points with a very high accuracy. The RANGEFINDER has night vision capability and can measure the position of objects up to a distance of 12 km. The recorded points are displayed in map software on the laptop, e.g. to

show the runway extension or point out max. obstacle height within the approach or departure area. To support navigation and enable identification friendly for the system includes a RADAR BEACON to assist the pilots. As an alternative navigation aid a very small and light DIRECTION FINDER system can be offered.

Every soldier is equipped with a HEADSET with BONE RESONANCE MICROPHONE offering connections to radios for ground to ground and ground to air communication. In case of radio failure, communication can be conducted by using a powerful SPOTLIGHT.



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