AvliS

Mobile Air Traffic Control Tower

"AUTONOMOUS AND MOBILE ATC"

Air Traffic Control

AvliS has developed and manufactured a Mobile Air Traffic Control and Command Tower, for both civil and military applications. It consists of an ATC Cabin installed on a sturdy trailer, the cabin houses the systems which support the Air Traffic Control in the ATZ (Aerodrome Transit Zone) and CTR (Control Zone) sectors.

Equipments

The Mobile Control Tower carries out the same functions as a Fixed Control Tower. Control is drived via Voice Communication Switch (VCS) for ground/air radio communication equipment using VHF and HF frequencies, ground to ground communications radio using UHF/VHF, digital recording, meteorological system, master clock system, UPS, batteries, electric generator. It is also possible to establish telephonic communications among different ATC airports.

Civil applications

Replacement of a permanent non-operating tower damaged or undergoing renovation works.
- Temporary ATC facility shared by several airports to ensure ATC services in case of :
- Airport modernization
- Airport expansion
- Temporary ATC tower on big events (sportive meetings, aeronautical shows)
- Training centers
- All equipment required to provide ATC services Complying with ICAO standards

Flexible

- Height adjustable up to 6m (higher on request)
- Transportable by road, sea and Air (Hercules C130, IL76)
- Rapid and flexible Deployment
- Military applications
- Civil applications

Trailer

Several towing systems available on request.

Towed by single and standard vehicle. Hydraulic stabilizers.

Specifications: Power supply independent (power generator), general and partial electric switch unit and hydraulic control.

- Equipped with 4 stabilizer arms
- Double scissors lifting system
- Suited for 2 or 4 operators version

HF SSB RADIO | UHF FM Radio | VHF AM Guard Radio | VHF AM Radio

VCCS - Voice Communication Control System

2X

Digital Voice Recorder | ATC Controller | Meteo | LAN AFTN/AMHS TrunkLines GSM

System Architecture
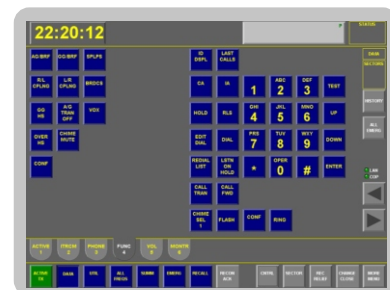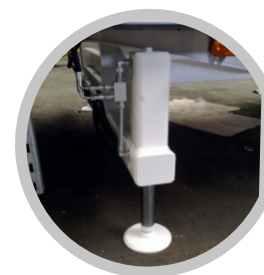
Voice Communication Switch (VCS)

Maximum reliability, matchless versatility, and unparalleled flexibility place the digital voice communication system in a category of its own.
The architecture integrates redundancy schemes on many levels. In the event of an internal fault, system components are engineered to recover without service interruption. The System offers extremely high availability to meet your critical communications requirements.

Intelligent Weather Monitoring

The Weather System uses an "intelligent" touch-screen console Weather Display. With its programmable microprocessor and abundant memory, the console can display weather information, perform complex computations, and store relatively large amounts of weather data. The Weather Display is flexible and can be factory-modified to meet specific market and industry needs.

A cloud ceilometer is also included as a stand-alone instrument designed for fixed and mobile installations with a digital display.

The best price/quality ratio on the market

Designed for Africa and/or hostile environments

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