Henri Coanda Airport is the main airport in Bucharest and the largest in Romania, hosting around 500 flights per day. The ground control tower was build in 2001 and has been in need for redesign to bring it to a more modern environment at todays standards.
The challenge

The control tower agents had previously issues in seeing all platforms depending on the weather, depending on whether it was snowing, foggy or very sunny. The redesign had to address multiple factors.

Tradeco, an engineering company from Romania, has redesigned the entire Ground Control Tower. They have changed the flooring, ceiling, windows, cabling infrastructure in order to modernise this.

The kvm-tec solution

The Ground Control Tower needs to have 6 computers working at once, only to show data from the platforms, further more they require easy access to all the monitoring cameras, as well as their own managing system of all planes and other vehicles within the airport grounds. This is where the kvm-tec came in as an amazing solution to their needs, as they have a requirement to constantly switch between information shown by different computers.

www.kvm-tec.com
SYSTEM DESCRIPTION

The eight monitors (model NEC Multisync EA271Q) are connected to the MX Matrixline Remote /CON units. Those 8 MX Matrixline Remote Units are connected to the Standard Network Switch Art. Nr. 6141 24 copper ports 1G & 2 SFP+ 10G ports. Another 2 MX Matrixline Remote Units are connected over the switch, with the 2 TV Screens. Also the PCs (6 PC’s with full HD output, 4 PC’s with VGA video output) are connected to the MX Matrixline Extender Local Units, which are also running on the same Network Switch 6141. This configuration is needed to switch the content of the PC’s to the User Stations. Further, the Supervisor has the possibility to show off and operate 4 full HD Video Signals at once at his 4K Screen, with the 4K Multiview Commander. The kvm-tec Switching Manager is also needed to run the Switching System.