Remote Tower Briefing

David Ulane, Director - CDOT Aeronautics

Jason Licon, Airport Director, Northern Colorado Regional Airport
Our Mission

The mission of the CDOT Division of Aeronautics is to support Colorado’s multi-modal transportation system by advancing a safe, efficient, and effective state-wide air and space system through collaboration, investment and advocacy.

Our Vision

The vision of the CDOT Division of Aeronautics is to be the leading air and space organization by enhancing the efficiency, economic benefit, and sustainability of Colorado’s air and space system through funding, innovation, education, and pioneering initiatives.
Why are We Doing This?
Remote Tower Project

• Project funding derived from CDOT Aeronautics Division
• FAA NextGen involved in project management
• FAA selected Searidge Technologies
• Installed at the Northern Colorado Regional Airport
What is a Remote Tower?

- A concept where existing or “off the shelf” technology can be used to function in the same manner as more costly specialized traditional air traffic control facilities.
  - Estimated cost savings 50% or more for construction
  - Cost savings of 75% on operation and maintenance
What is a Remote Tower?

- It is a system made of the following:
  - Video cameras mounted on three camera masts
    - provide real time video information
    - 31 total cameras
  - Radar data displays
  - Air traffic control facility supporting certified air traffic controllers
Distributed Camera System
Control Facilities

- Mobile ATCT
- Remote Tower Control Facility
- Control room
  - 1 primary 360 view video wall
  - 3 controller positions & camera interface panels
    - Radar
    - Radio
    - Weather information