CANSO Global ATM Operations Conference

MADRID | SPAIN | 8-9 MARCH

Smart tower evolution – digital enhancement or remote operations?

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Solution Definition: Remote Tower Control by DFS

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Locations and Traffic Figures (1/2)

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Locations and Traffic Figures (2/2)

- Similar layout
- Lowest traffic amount in DFS
- High potential of using resources more efficient
  - 1 year has 525.600 minutes
  - If ATCO “uses” 10 min/flight (total of 15.000/y), one at a time
  - 375.600 minutes left each year

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Motivation

Human resources:

- Using human resources more efficiently
- Pooling operational and technical functions

Technology:

- Harmonising the ATM technology
- Reducing operations and maintenance costs

Future / Strategy:

- Development from single to multiple remote operations
- Using the new technology for increasing capacity/safety
- Strategic advantages for a positioning on the market

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Our Operational Benefits

All information direct in front
→ Minimize Headdown and ATCO Turnaround Times

- Choose panorama alignment and display section 180-360°
- PTZ „binoculars“ follow objects automatically
- Switch visual / infrared view

- Automatic object detection
- Only one keyboard/mouse instead of three
- Add helpful overlay information / Augmented Reality

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Features: Using Augmented Reality

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