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MADE SWISS

VR-MOTION 200.

Aerial Fire Fighting - Tactical Procedures Training.

Climate change has contributed to a global increase in the length of the fire seasons, the size of the areas burned and the total number of wildfires. Many of these wildfires had been unusually large and lasting; causing loss of life and material damages that reach previously unknown dimensions.

Coordinated, consequent and early Aerial Firefighting, both with fixed wing and rotary wing aircrafts, is a key element for minimizing the negative impact and consequences of uncontrolled wildfires. Aerial Firefighting creates the highest demands for mission readiness and operational awareness.

VM-Motion 200 creates an immersive Virtual Training Environment that support a multitude of familiarization and training task in an innovative new approach.

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Problem adressed

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Coordinated, consequent and early Aerial Firefighting, both with fixed wing and rotary wing aircrafts, is a key element for minimizing the negative impact and consequences of uncontrolled wildfires.

It requires significant technical resources, but mostly pilots and crew member that are perfectly prepared and trained for the dangerous and challenging environments they operate in.

For pilots and crews that are not involved in such fire-fighting operation or that need to get introduced into specific regional requirements and operational tactics, efficient support and training media become crucial.

Use-Case

Aerial Firefighting creates the highest demand for mission readiness and operational awareness. Both, readiness and awareness result from systematic and compressive briefing and training sessions.

Therefore, pilots and other crew members need to be trained and prepared for their fire-fighting missions by powerful training environments, minimizing the need to utilize the real aircraft for such training.

Solution Provided

VR-Motion 200 for Aerial Fire-Fighting creates an immersive Virtual Training Environment representing realistic Wildlife Fire scenarios and fire-fighting interactions.

Configured to represent a fixed-wing or rotary-wing fire-fighting aircraft, it supports a multitude of familiarization and training task in an innovative new approach. All mission relevant information will be provided via the virtual reality helmet carried by the trainee on the dynamic motion platform.

Supported by real or virtual instructor guidance and tactical team radio, the trainee gets introduced into the various mission phases and performs the Fire-Fighting training exercise individually or as part of a team exercise.

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