



Together4Safety



EXECUTIVE OVERVIEW

Safety Enhancements Focused on Technology

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IHSF

International Helicopter Safety Foundation
Our Vision: An International Civil Helicopter Community with Zero Accidents

Helicopter Safety Enhancements – Technology

- Enhanced Vision Systems
- Flight Data Monitoring
- Stability Augmentation/Autopilot





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Enhanced Vision Systems

Improve the safety of low-visibility operations.

Help the average VFR helicopter pilot.

But not for flying in worst weather.

Develop “best practices” guidance.

What is the best way to use specific technologies?





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Enhanced Vision Systems

Research & evaluate all technologies.

Forward-Looking Infrared Cameras, Millimeter Wave Infrared, LIDAR, Head Up Display, Helmet Mounted Display, Helmet Worn Display.

Night Vision Goggles and LED lights.

How do NVGs interact with other sensors?



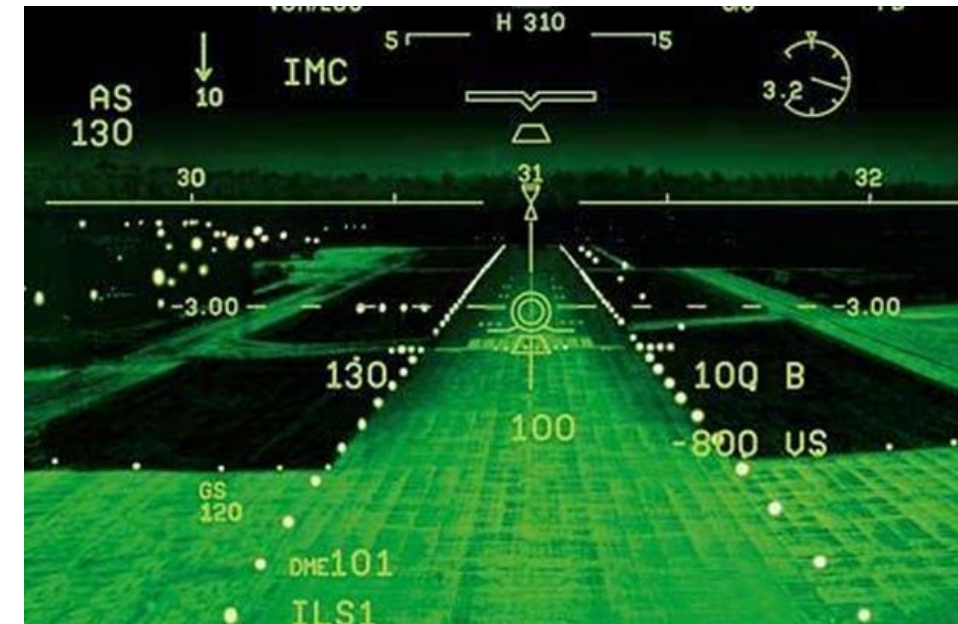


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Enhanced Vision Systems - Issues

Deck Angle, Field of View, Shadows, Stubborn Obstructions, Thermal Crossover, Moisture, Sensor Resolution, Direct Sunlight, Glare, Ambient Lighting, Display Aspect Ratio, Eye Fatigue, Information Overload, Increased Pilot Workload.





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Helicopter Flight Data Monitoring

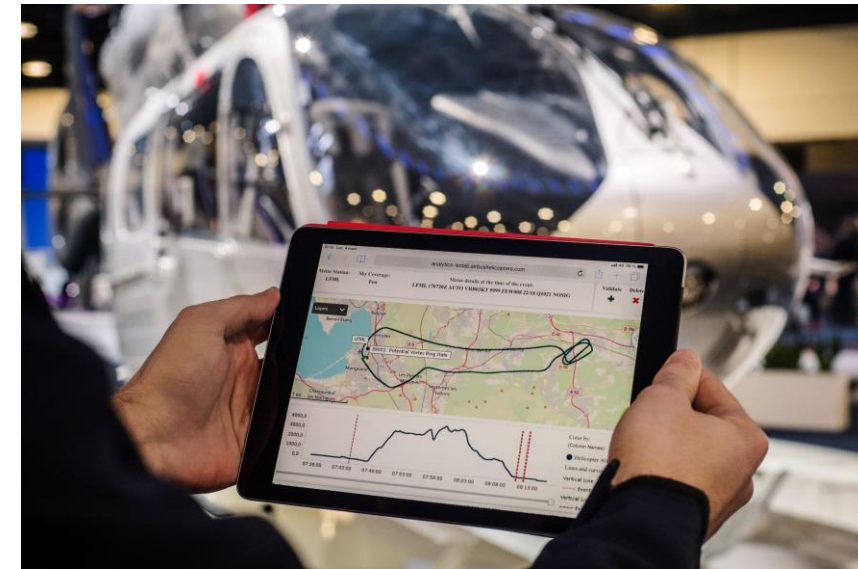
Educate and increase usage.

Used by Oil & Gas, Air Medical, Law Enforcement.

Working with Tour Operators.

Want Lightweight and Portable.

Want Less Expensive and Less Complex.





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Helicopter Flight Data Monitoring

First use FDM as a proactive data monitor.

Secondarily use FDM as a crash recorder.

Inform & improve flight crew training.

Improve operational techniques.

Enhance maintenance decision-making.

Foster a culture of safety.





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Stability Augmentation/Autopilot

Encourage usage & support certification.

Technology Available Today

Architecture and Trade-Offs

Key Operating Requirements

Certification Issues



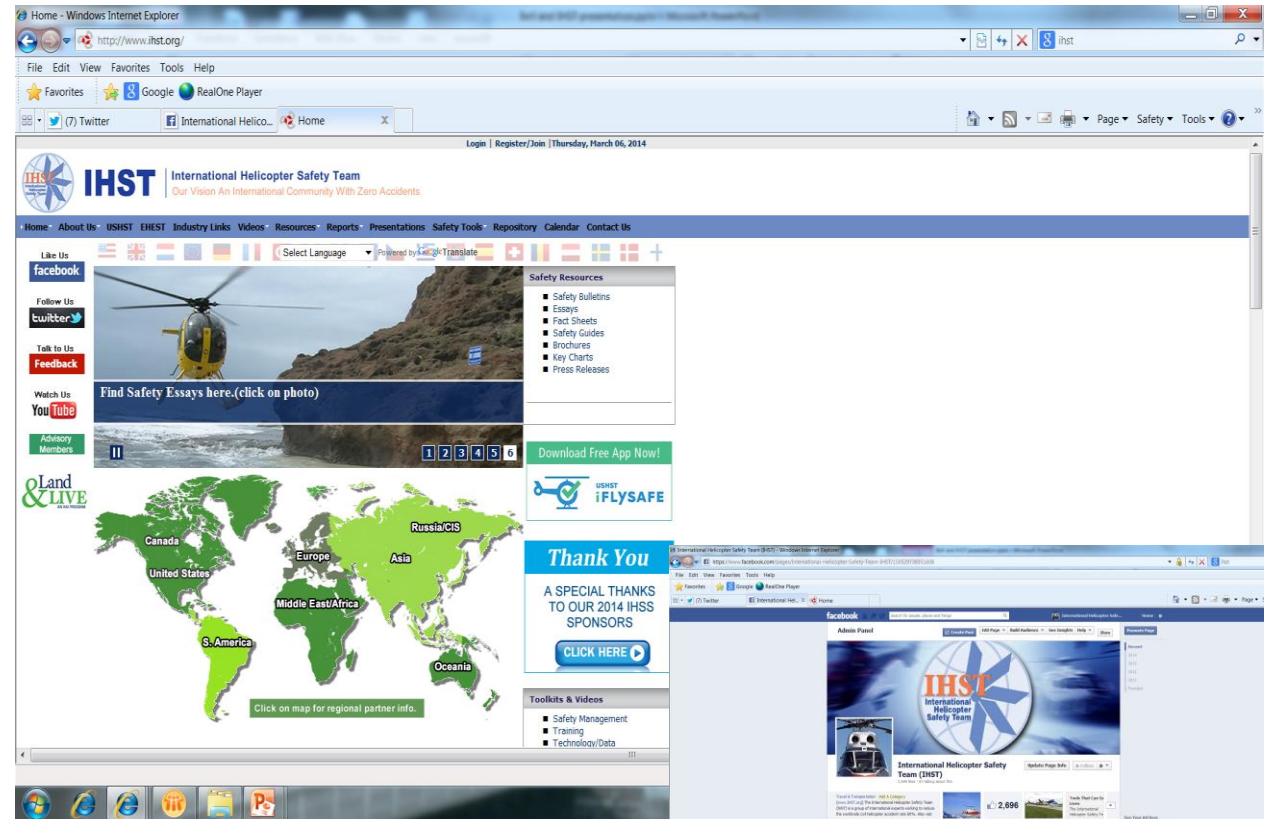
Where to Find the Intl. Helicopter Safety Foundation

www.IHSF.aero

Facebook: @SafeHelicopters



Twitter: @IHST_helicopter



We encourage you to add the www.ihsf.aero link to your organization's website.