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The future of AI in Aviation Safety Management

When an incident occurs, the pressure is on. This is where NGFT's SMS with aviation-trained LLMs comes in.

From a simple report to submission-ready occurrence documentation

Timely and accurate occurrence reporting is critical to aviation safety management. When an incident occurs, operators are often under considerable pressure to analyse the event, document key findings and submit a formal report to the authorities - all within 72 hours. This process can be frustrating and time consuming. This is especially true given the need to comply with regulatory requirements, perform risk assessments, and ensure completeness and accuracy of documentation.

How Large Language Models (LLMs) can help

Recent advances in artificial intelligence, in particular Large Language Models (LLMs), offer an efficient and effective approach to supporting occurrence reporting. By integrating LLMs into the reporting process, safety managers can significantly reduce the time and effort required, while improving consistency and accuracy.

Our AI-supported SMS can improve the process:

- Structured report generation
- Automated analysis and pre-filled sections
- Risk assessment and mitigation measures

Benefits of using LLM in the evaluation process include

- Consistency and unbiased evaluation
- Increased efficiency and reduced administrative burden

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As AI continues to evolve, its role in safety management systems (SMS) will expand beyond occurrence reporting. Let's discuss at Booth 3805 how AI-driven reporting can work for your operations.

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