INDUSTRY KEYNOTE:

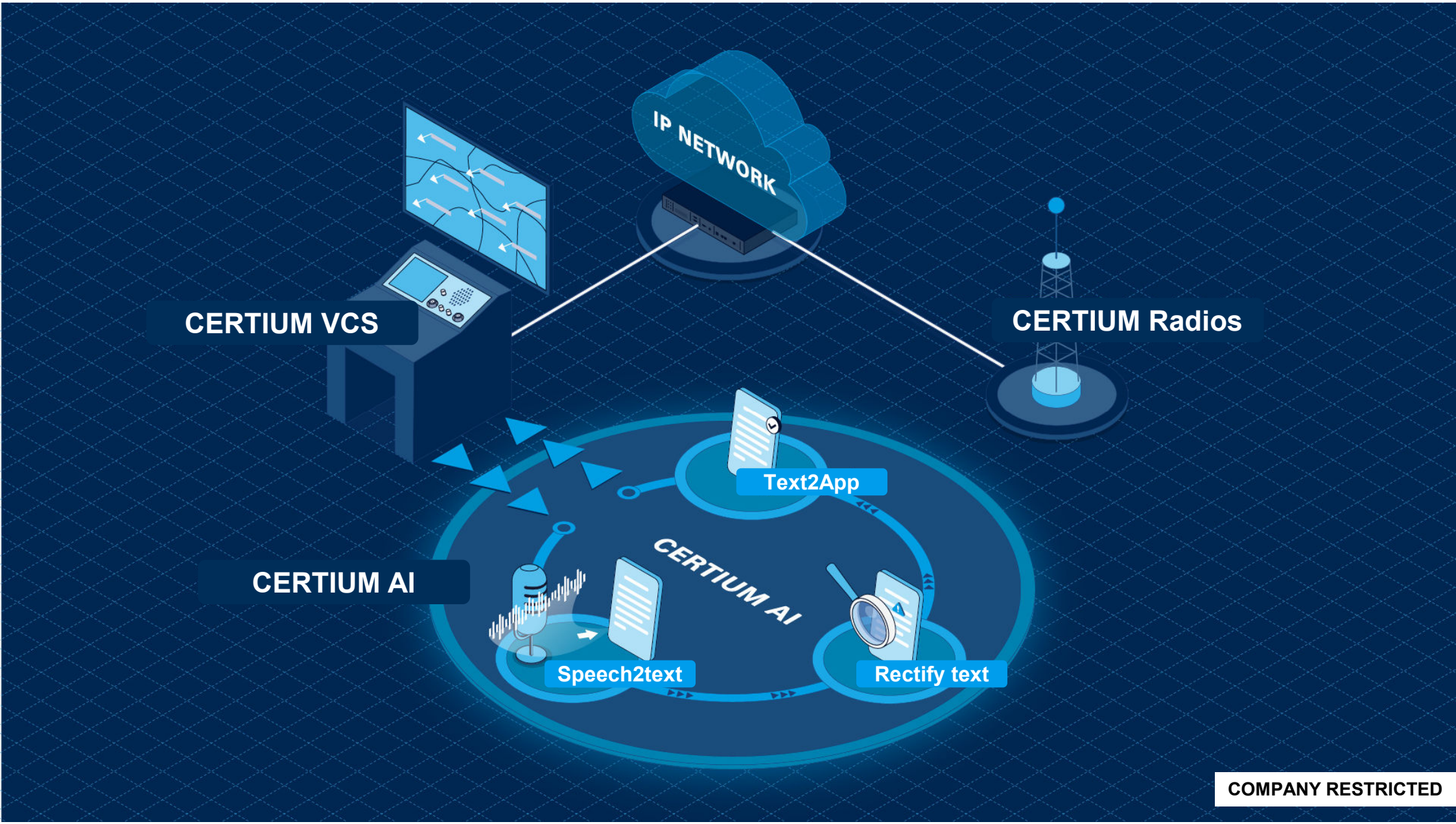
INTEGRATION OF SPEECH RECOGNITION & UNDERSTANDING INTO VCS

Norbert Fuchs
Product Management ATC

ROHDE&SCHWARZ
Make ideas real

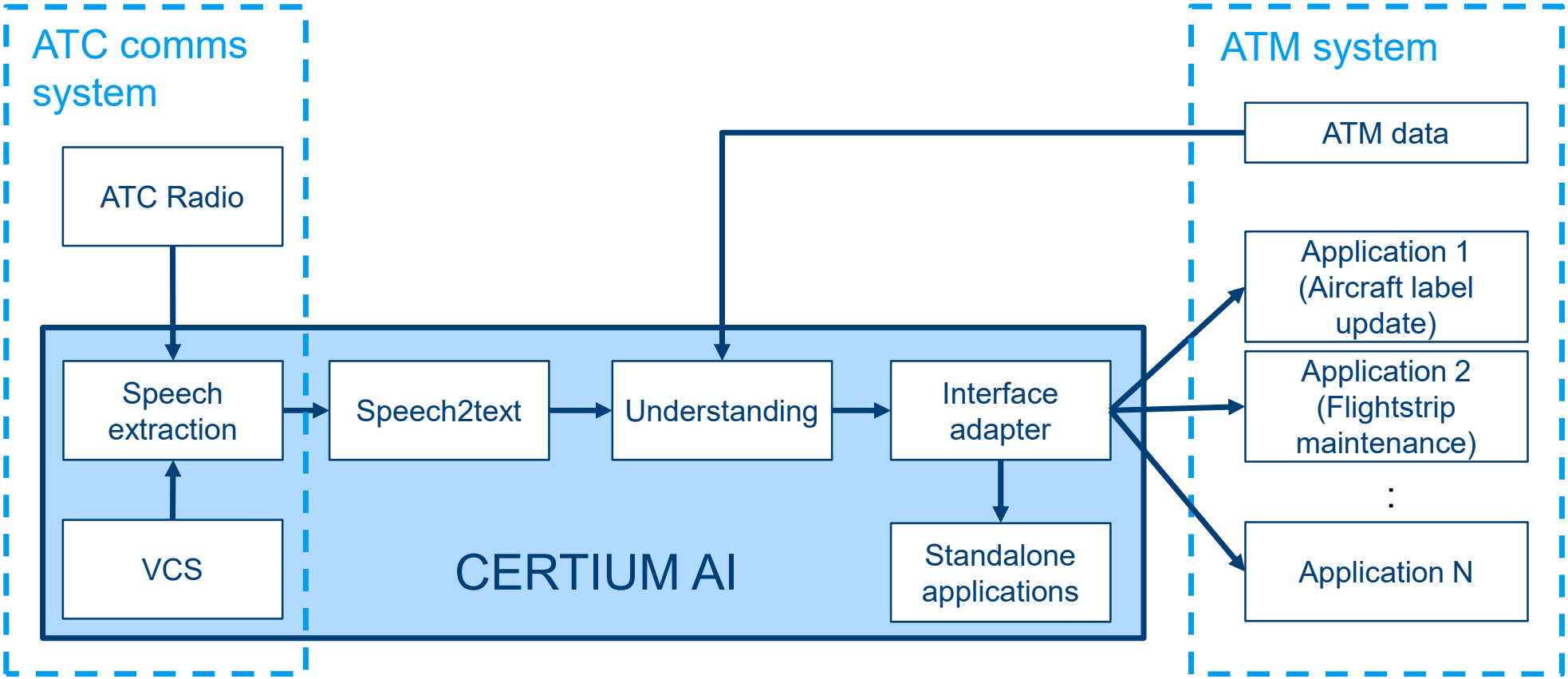


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PRODUCT BUILDING BLOCKS



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KEY USE CASES AND BENEFITS

- Automated label & flight strips updates
- Handover-takeover summary – transcript for clear and easy handover
- Real-time “smart” transcript – less “say again” requests
- Automated readback verification
- Many more potential use-cases (operational intelligence etc.)

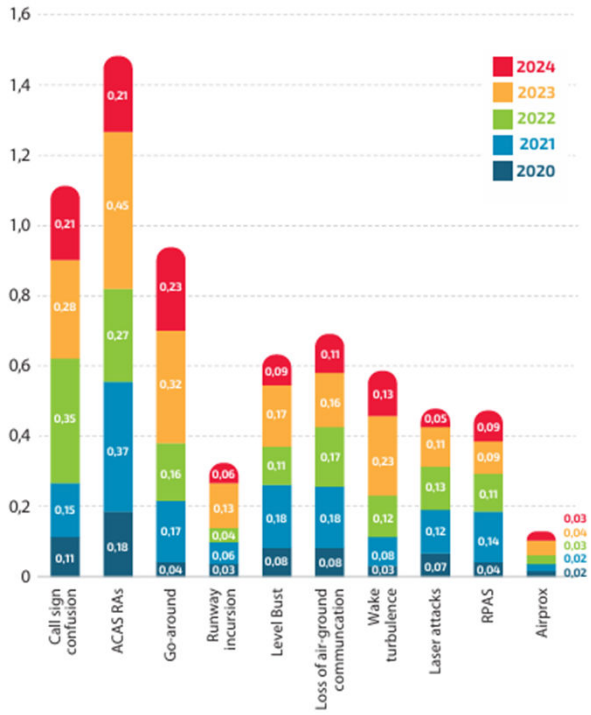
Benefits of automated real-time transcription:

- Reducing the incident rate by decreasing human error
- Reducing the workload of ATCOs through more efficient workflows
- Increasing safety through improved situational awareness

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EUROCONTROL – ATM INCIDENT REPORT 2026

Various types of incidents



Cluster of incidents (2023/2024)

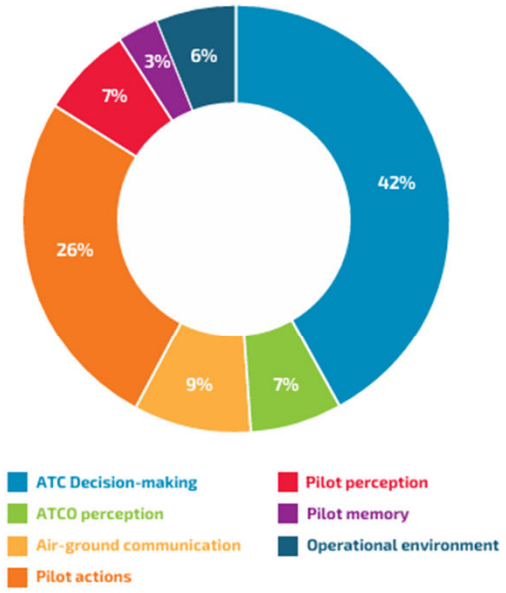
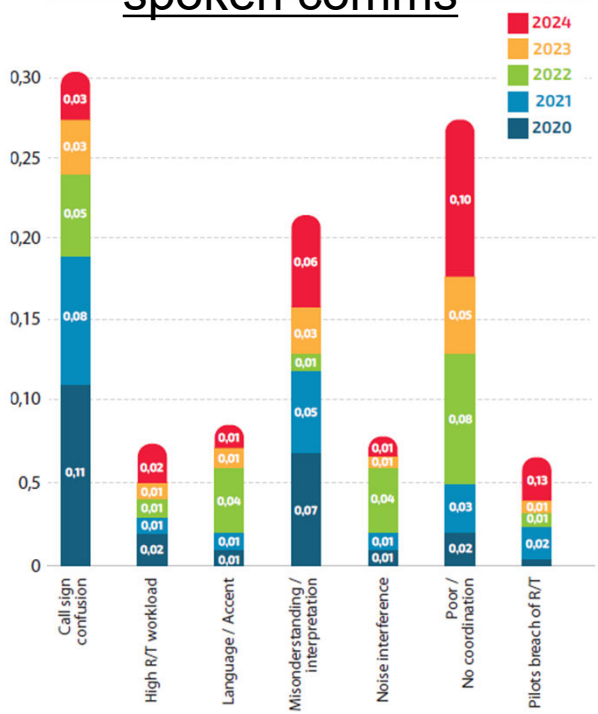


Figure 4

Incidents related to spoken comms



Source: EUROCONTROL Voluntary ATM incident report (EVAIR) 2026, normalized by 10,000 flights

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EUROCONTROL – ATM INCIDENT REPORT 2026

Addressable with CERTIUM AI

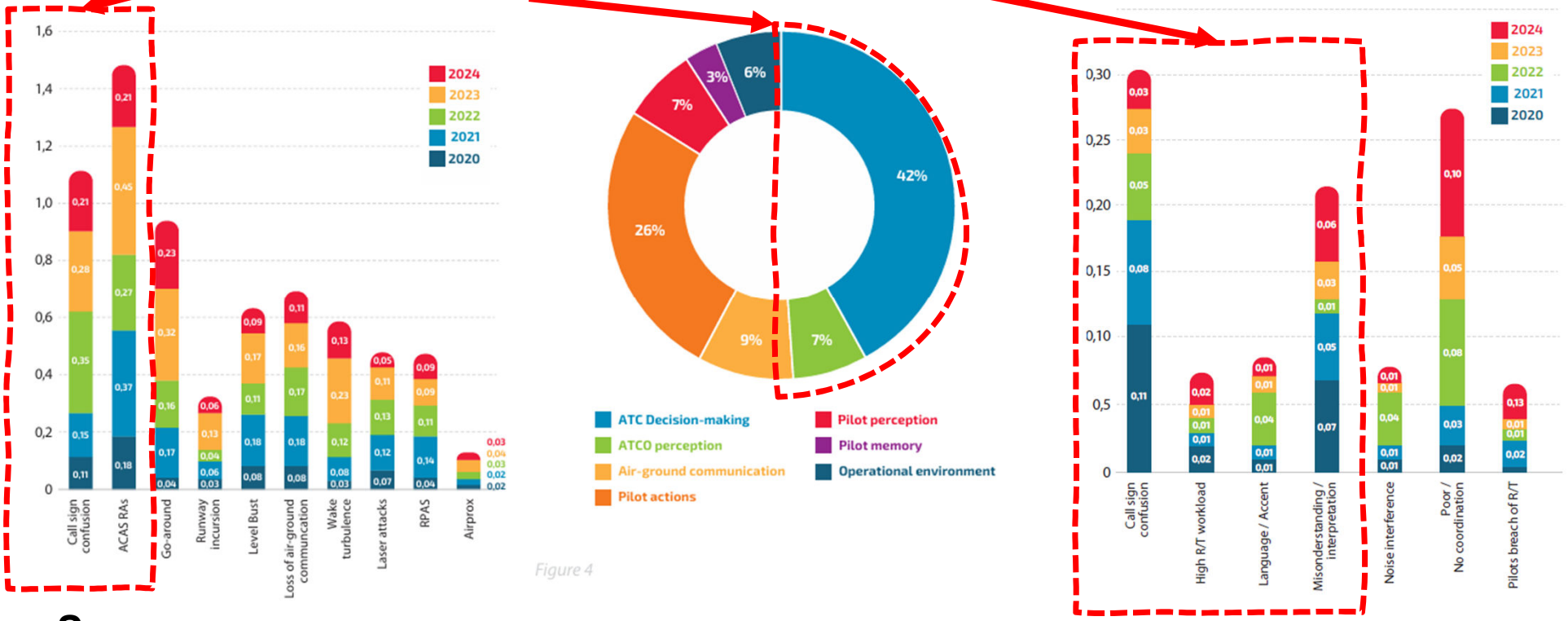


Figure 4

Source: EUROCONTROL Voluntary ATM incident report (EVAIR) 2026, normalized by 10,000 flights

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FROM TRIAL TO LIVE OPERATION

A trial will prove operational benefits, validate risk reduction & safety improvements
Qualify & quantify those improvements with an independent safety evaluator



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