

# Performance-driven UTM capabilities to support the growing variety of operations and scalability

Reducing SORA Roadblocks for Emerging Aviation Operations



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*Founder and CEO*







## **Providing solutions that enable enterprise operations for autonomous systems**

- Since 2015, digital airspace solutions
- Software modular services evolve with standards and regulatory environment
- Multimodal and Mission Management solutions with value-added services
- Fortune 50 Enterprises, US DOD, NASA, FAA, EASA, UK-DASA, EU Space Agency, AU CASA, Swiss FOCA, DGCA
- ISO 27001 Certified for Information Security Management Systems
- Offices Washington DC, London, Asia, and Europe

## Objectives

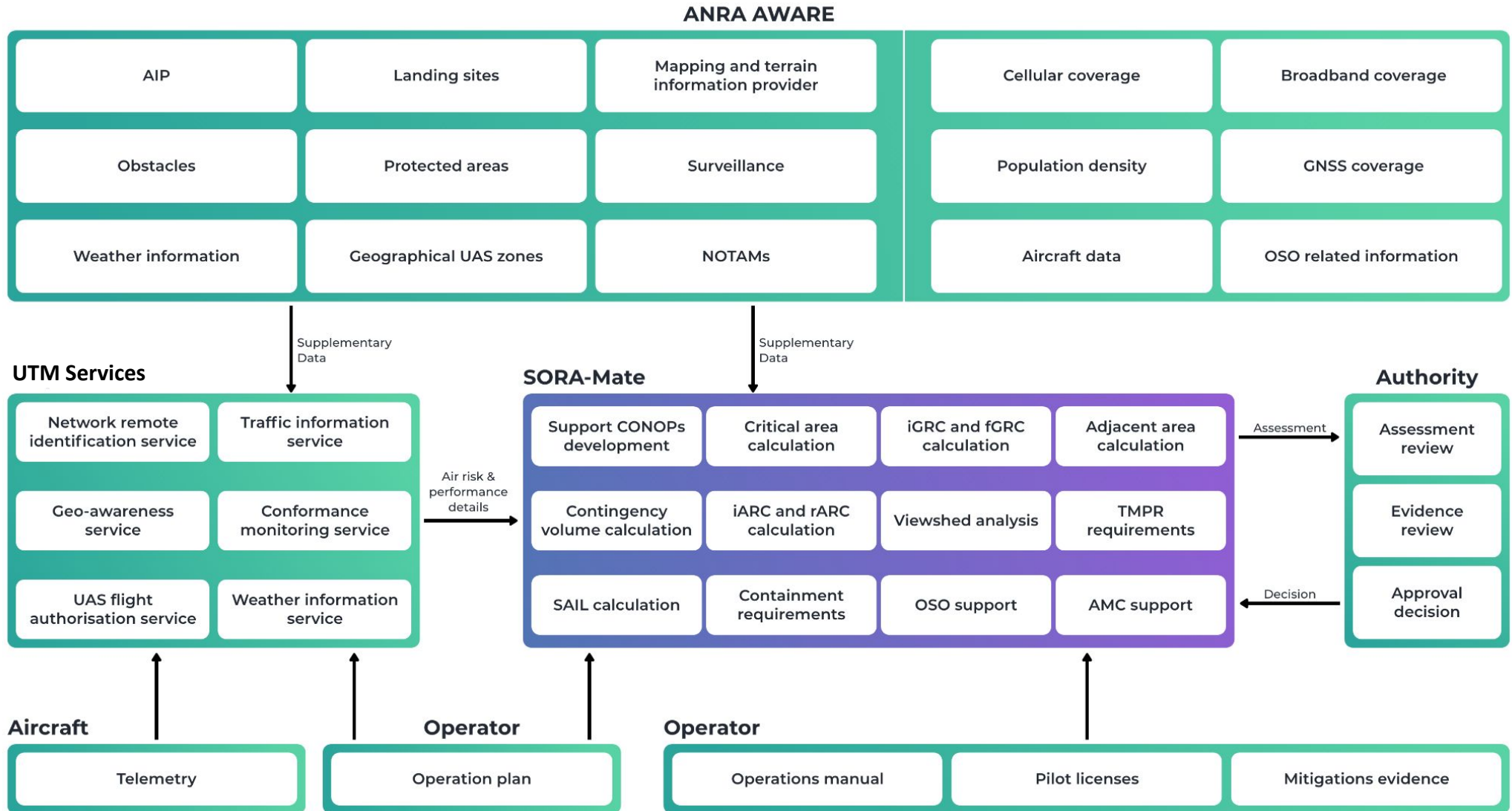
- Create an intelligent software for standardized, equitable, and repeatable risk assessments for drone operators and regulatory authorities
- Software designed around the structured SORA approach supporting a defined process for the risk analysis.
- Facilitate an increasingly automated SORA process that streamlines the workflow for both the drone operator and the aviation authority, while maintaining safety

## Ideal Outcomes

- Improved turn-around times for approvals
- CAA gains access to more data for analytics
- All stakeholders will have a common framework to assess risk and improve aviation safety.

# ANRA – Tying it all together

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# SORA-Mate in Action

**ANRA Technologies**

**Flights**

Operator: **ACME PVT LTD** Contact See C

Pilot: **John Doe** Contact See C

See Operations Manual Last changes: 2023/05/04

Check Operator History Last flight: 2023/03/04

Check Pilot Last flight reg: 2023/01/01

**Application** received on 2023/04/02 Open application in pdf format

**GRC** assigned to John Doe on 2023/04/01

**ARC** reviewed & approved by John Doe on 2023/04/01

**OSOs + containment** assigned to John Doe on 2023/04/01

**Final decision** In progress on 2023/04/01

**Export decision** Generate & send decision

**ANRA SORA-Mate**

Dashboard Applications **Sora**

## Specific Operations Risk Assessment

1 **ConOps** 2 GRC 3 ARC 4 Adjacent Areas 5 SAIL & OSOs 6 Summary

This tool supports the evaluation of risks through the Specific Operations Risk Assessment process, best suited for operations in the 'specific' category. Ground risk and air risk factors are evaluated for the mission to help develop a safety portfolio and suggest operational safety objectives. [Read More](#)

**Concept of Operations (ConOps)**

\* Upload KML

\* Mission Type

\* Maximum Flight Altitude (M/FT)

\* UAS MTOM (GM/KG)

\* Maximum Dimension of the UAS (M/FT)

\* Operation Date & Time (Start - End)

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Drone Category:	<b>1*</b>	Data Source	Explanation	Approve/Comment
M1 mitigation:	<b>High</b>	Design Review	Explanation	Approve/Comment
M2 mitigation:	<b>None</b>	Data Source	Explanation	Approve/Comment
M3 mitigation:	<b>Medium</b>	Data Source	Explanation	Approve/Comment

iGRC: 5    fGRC: <2    iARC: **ARC-b**    rARC: **ARC-b**    SAIL: II



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