Solent Future Transport Zone

Airspace Change

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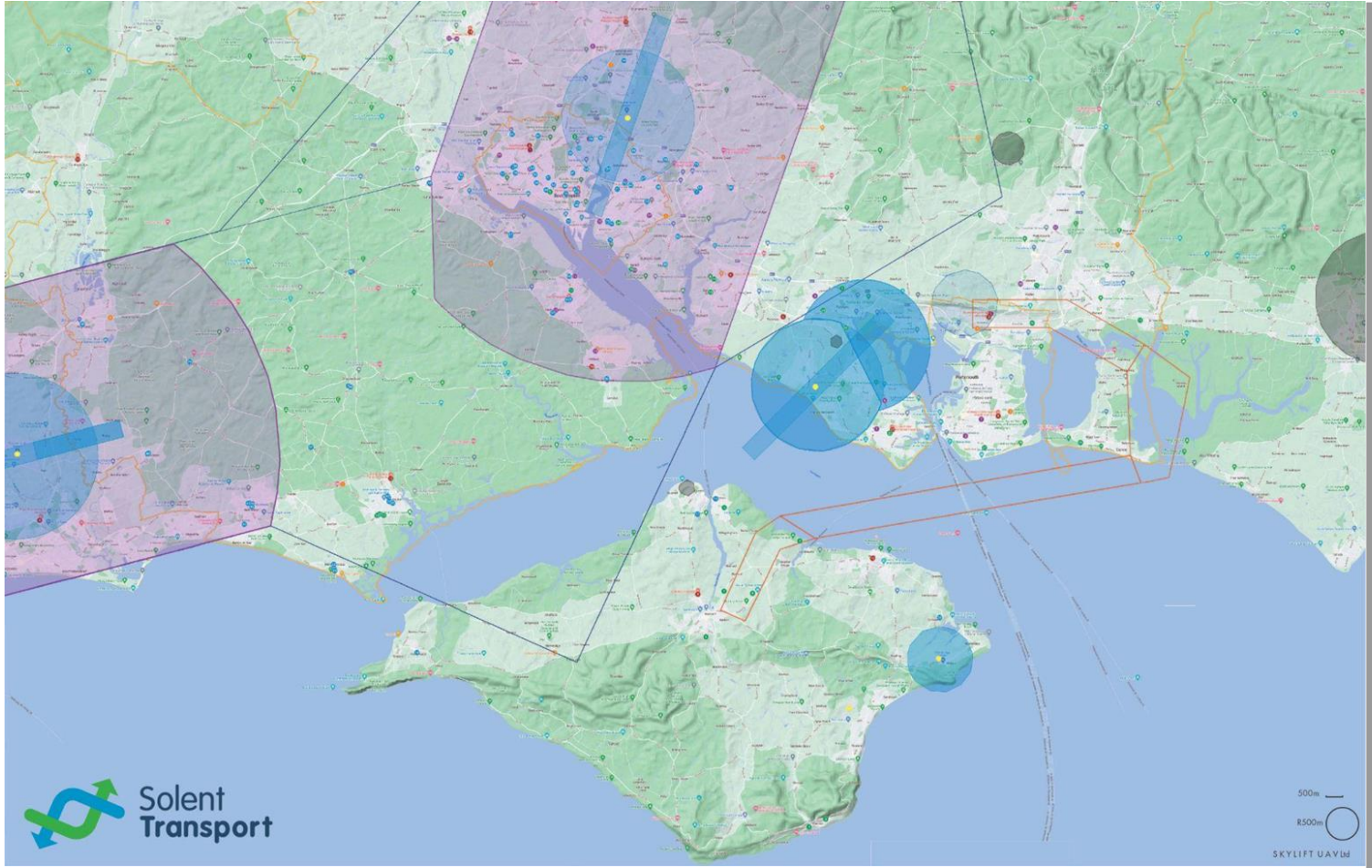

FIG-001

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Airspace Change Goals

In the remaining 30 months of the Solent FTZ project, we plan to build evidence and experience supporting the CAA‘s transition from segregated to non segregated airspace.

We will use the trial airspace to start this process by;

- Building sensor networks
- Building up traffic data
- Setting up a UTM system
- Doing a structured test plan of VLOS and BVLOS flying

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Previous TDA

- Previous phases were all about drone delivery, noise and vibration studies on chemotherapy medicine and blood
- It became clear that the complexity is in the change from segregated to non segregated airspace
- TDA’s are temporary and block off airspace

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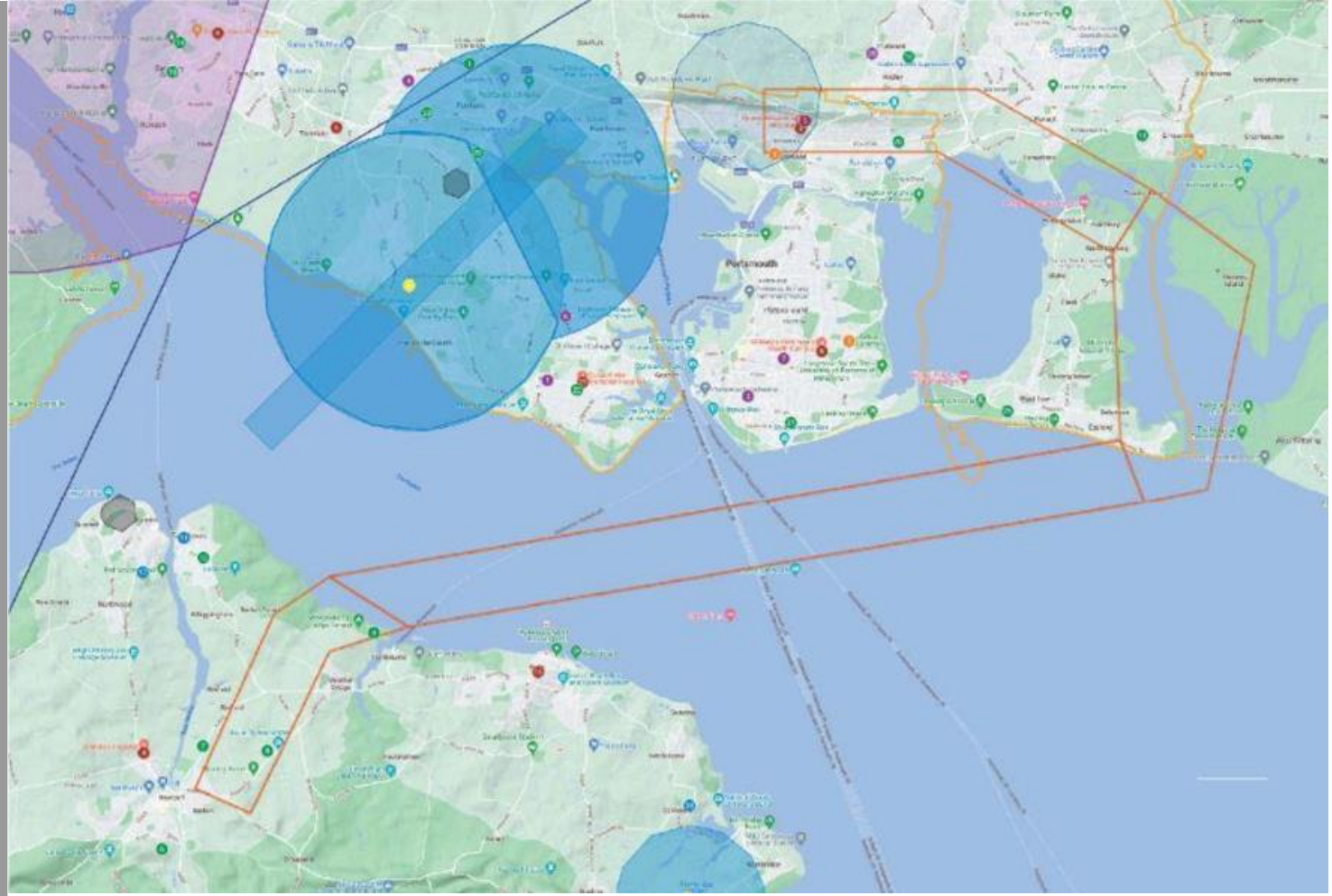

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FIG-002

This Phase - ACP-2022-106

TDA same dimensions as ACP-2021-002 (FIG-002 above) which means common stakeholders and the communications and procedures all work.

This airspace is not about flying but about data gathering. We will pack the route with EC and uncooperative traffic sensors including ADSB, radar and cameras.

Recreate the TDA ACP-2021-002 with 4 requested changes;

- Permission to fly 2 aircraft at same time
- Increase altitude from 400ft to 600ft - so the lanes can be separated laterally and vertically
- Add additional stubs along coast of the Solent and Isle of Wight (FIG-003 below)
- Remove buffer to Solent CTA so we can get to St Mary's Hospital, IOW

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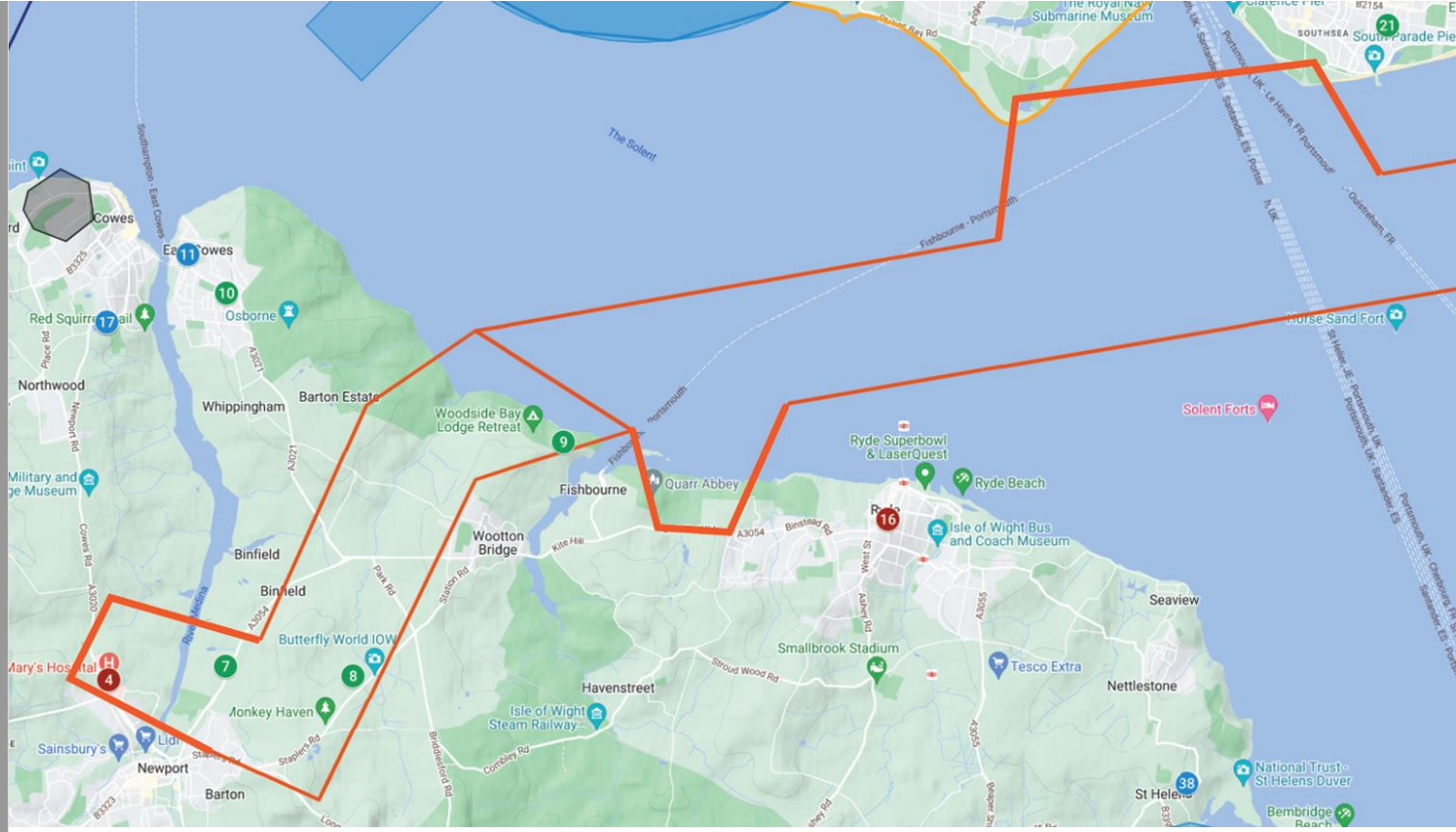

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FIG-003

Potential Next Phases

2024 - Area based TDA rather than route based
2025 - Another trial to be defined

Each ACP teaches something new
TDA’s become more permeable, UTM becomes more effective, etc

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Supporting work

Setup VLOS network

- A central drone hub
- Satellite landing sites within 500m
- Multiple operators with multiple aircraft
- Generate data with higher traffic density including critical phases of flight
- Deconfliction: lateral, vertical, temporal and procedural

Go to all local airfields and offer EC ground infrastructure to improve the overall air picture

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The presentation will be via a wargame board and icons

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