



FALCON CONSULTANCY LIMITED

THANET DISTRICT COUNCIL

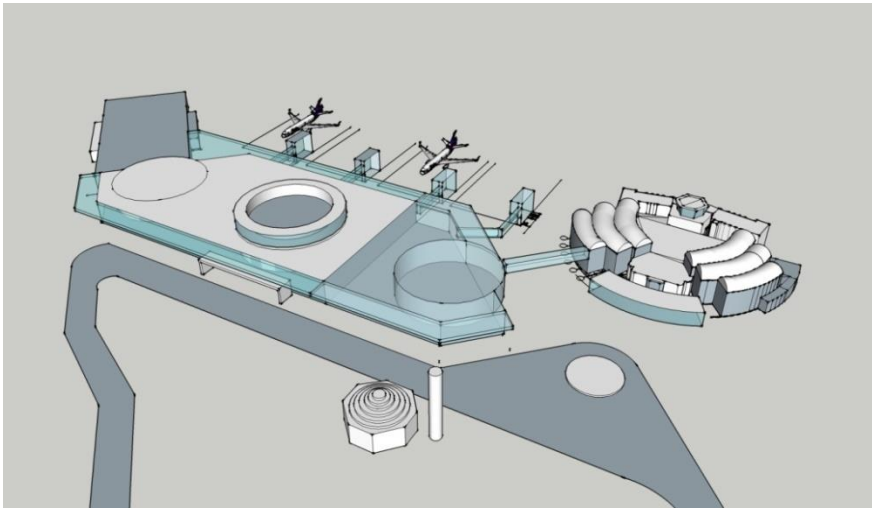


**EXPERT OPINION ON THE PROSPECTS FOR THE VIABLE
DEVELOPMENT OF MANSTON AIRPORT**

**STAGE 1 – INITIAL EVALUATION AND VALIDATION OF
THE AIRPORT OWNER’S ASSESSMENT**

APPENDIX – A

CAPACITY - ILLUSTRATIONS



MANSTON AIRPORT - CAPACITY PLAN

THE ILLUSTRATIONS IN THIS APPENDIX ARE TO BE READ IN CONJUNCTION WITH THE REPORT LABELLED:

EXPERT OPINION ON THE PROSPECTS FOR THE VIABLE DEVELOPMENT OF MANSTON AIRPORT

STAGE 1 – INITIAL EVALUATION AND VALIDATION OF THE AIRPORT OWNER'S ASSESSMENT



MASTER PLAN UPDATE CAPACITY PLAN OBJECTIVES – REGIONAL CONTEXT

1. Illustrate the existing Ground Access systems with a view to exploring enhanced modal interface opportunities.
2. Identify key Aeronautical (Airspace) Safeguarding issues.
2. Describe potential long term future development opportunities external to the existing airport boundaries.

CAPACITY PLAN OBJECTIVES - EXISTING AIRPORT BOUNDARIES

1. Test the ability of the existing land resources to accommodate aviation activities consistent with the optimal sustainable capacity of a single runway without any critical physical constraints.
2. Identify a site development framework which will permit:
 - Flexible phasing strategy to meet a broad range of aviation activities.
 - Define corresponding land areas available for aviation or non-aviation related commercial development.

Kent International Airport – Manston

Existing Airport Site Location – Ground Access map



Existing Railway Line

Existing location of Manston Airport

Primary road transportation links

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Kent International Airport – Manston

Existing Airport Site – Aeronautical (Airspace) Safeguarding



Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google earth

Date & Time: Wed Jul 2 10:10:19 BST 2014
Position: +051.3397° / +001.3654°
Altitude: 164ft
Azimuth/Bearing: 288° N72W 5120mils (True)
Elevation Angle: -00.8°
Horizon Angle: +00.0°
Zoom: 1X



Kent International Airport – Manston
Existing Runway Threshold – Departure Heading 28

Date & Time: Wed Jul 2 10:18:57 BST 2014
Position: +051.3445° / +001.3269°
Altitude: 177ft
Azimuth/Bearing: 096° S84E 1707mils (True)
Elevation Angle: -00.4°
Horizon Angle: -00.1°
Zoom: 1X



Kent International Airport – Manston
Existing Runway Threshold – Departure Heading 10

Kent International Airport – Manston

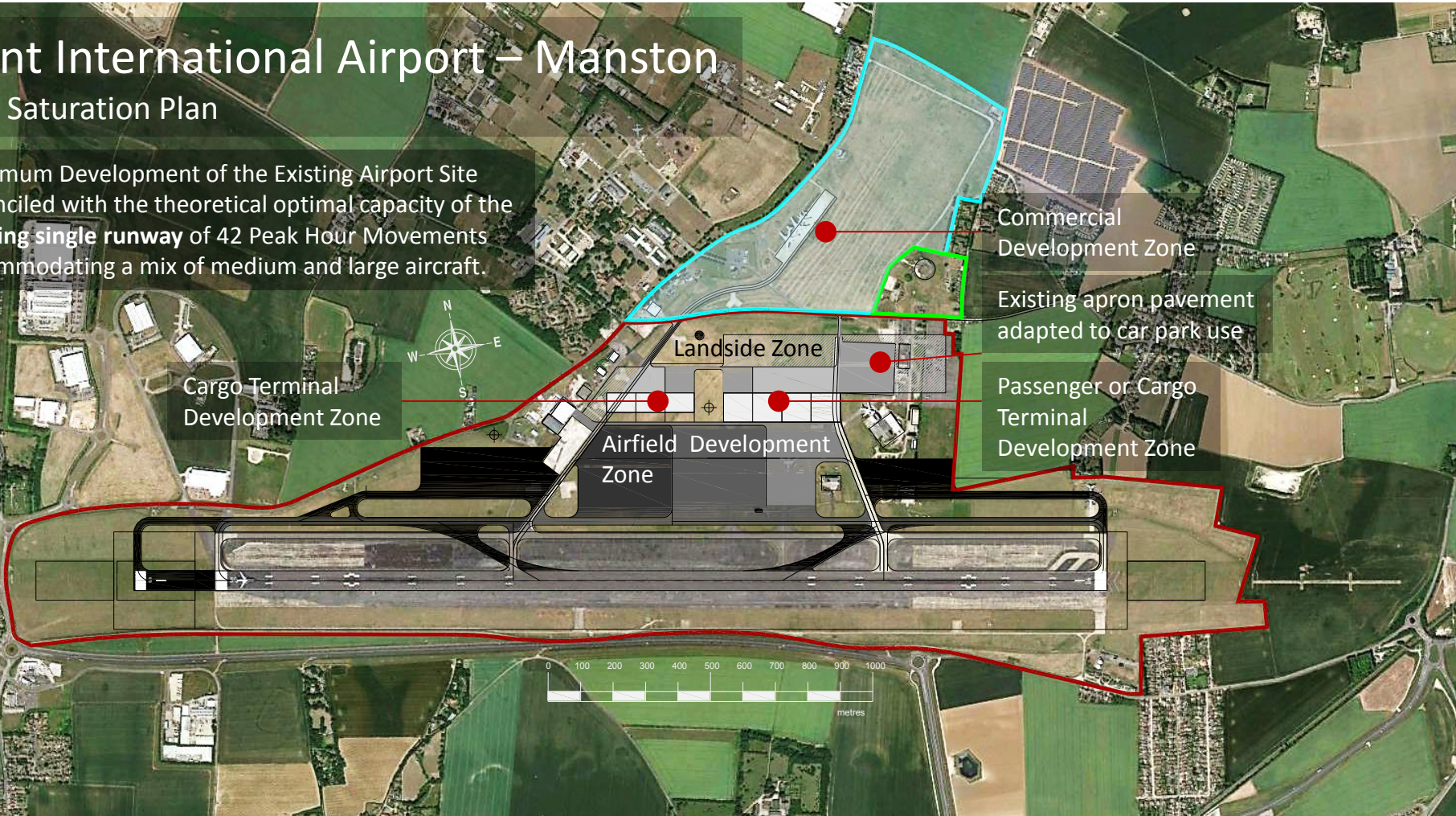
Existing Airport Site Areas



Kent International Airport – Manston

Site Saturation Plan

Maximum Development of the Existing Airport Site reconciled with the theoretical optimal capacity of the **existing single runway** of 42 Peak Hour Movements accommodating a mix of medium and large aircraft.

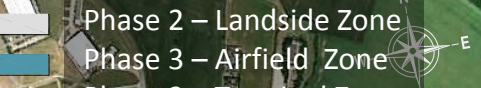


Kent International Airport – Manston

Illustration of a typical Generic Implementation Plan

Schematic of a non-specific typical development phasing sequence using the Saturation Plan framework layout - subject to aviation product selection and the corresponding Demand Forecast.

-  Phase 1 – Airfield Zone
-  Phase 1 – Terminal Zone
-  Phase 1 – Landside Zone
-  Phase 2 – Airfield Zone
-  Phase 2 – Terminal Zone
-  Phase 2 – Landside Zone
-  Phase 3 – Airfield Zone
-  Phase 3 – Terminal Zone
-  Phase 4 – Airfield Zone
-  Phase 5 – Airfield Zone



Kent International Airport – Manston

Commercial Land Zoning

- Phase 1 – Airfield Zone
- Phase 1 – Terminal Zone
- Phase 1 – Landside Zone
- Phase 2 – Airfield Zone
- Phase 2 – Terminal Zone
- Phase 2 – Landside Zone
- Phase 3 – Airfield Zone
- Phase 3 – Terminal Zone

Illustration of a typical generic commercial land zoning profile using land surplus to core aviation activities.

42.7 ha

13.04 ha

Commercial Development Zone

Term lease Commercial Development Zone

