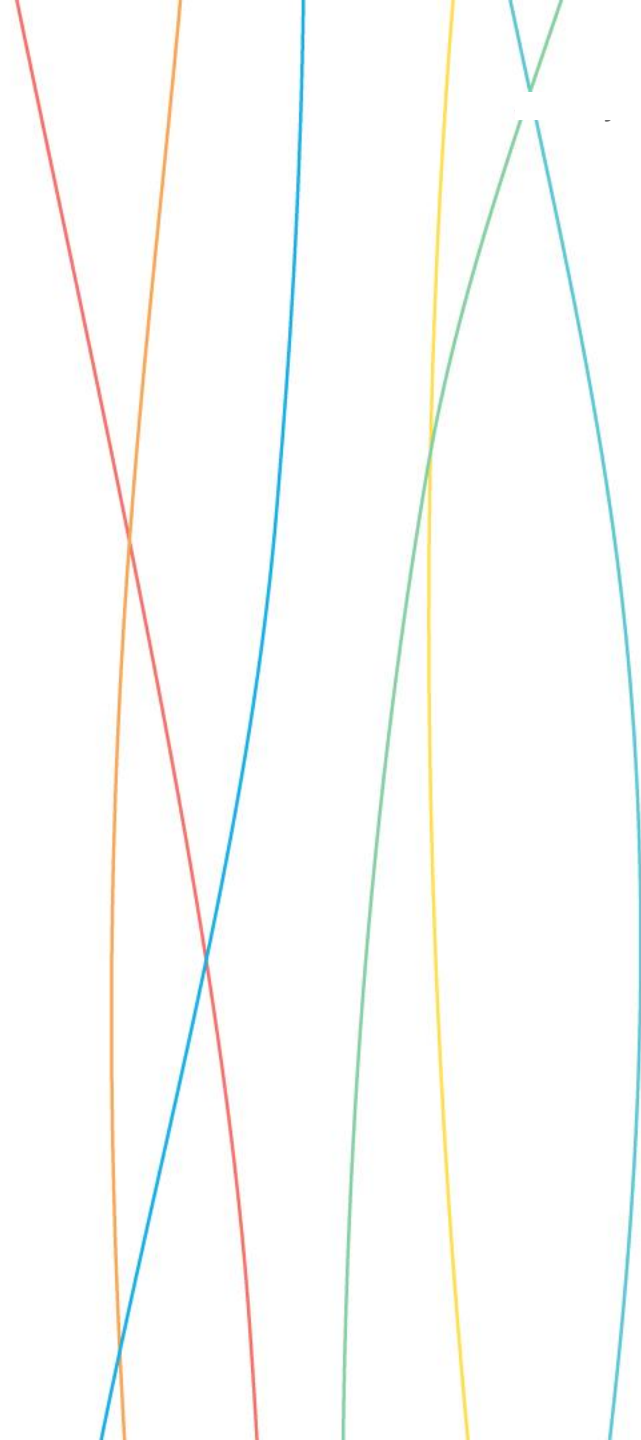


Huawei Cambridge Semiconductor R&D Centre



HUAWEI



Huawei: a private company wholly owned by its employees



194,000
Employees

80,000+
R&D employees



170+
Countries



14
R&D
institutes/labs/
centres



US\$70bn+
R&D investment
over the last
decade



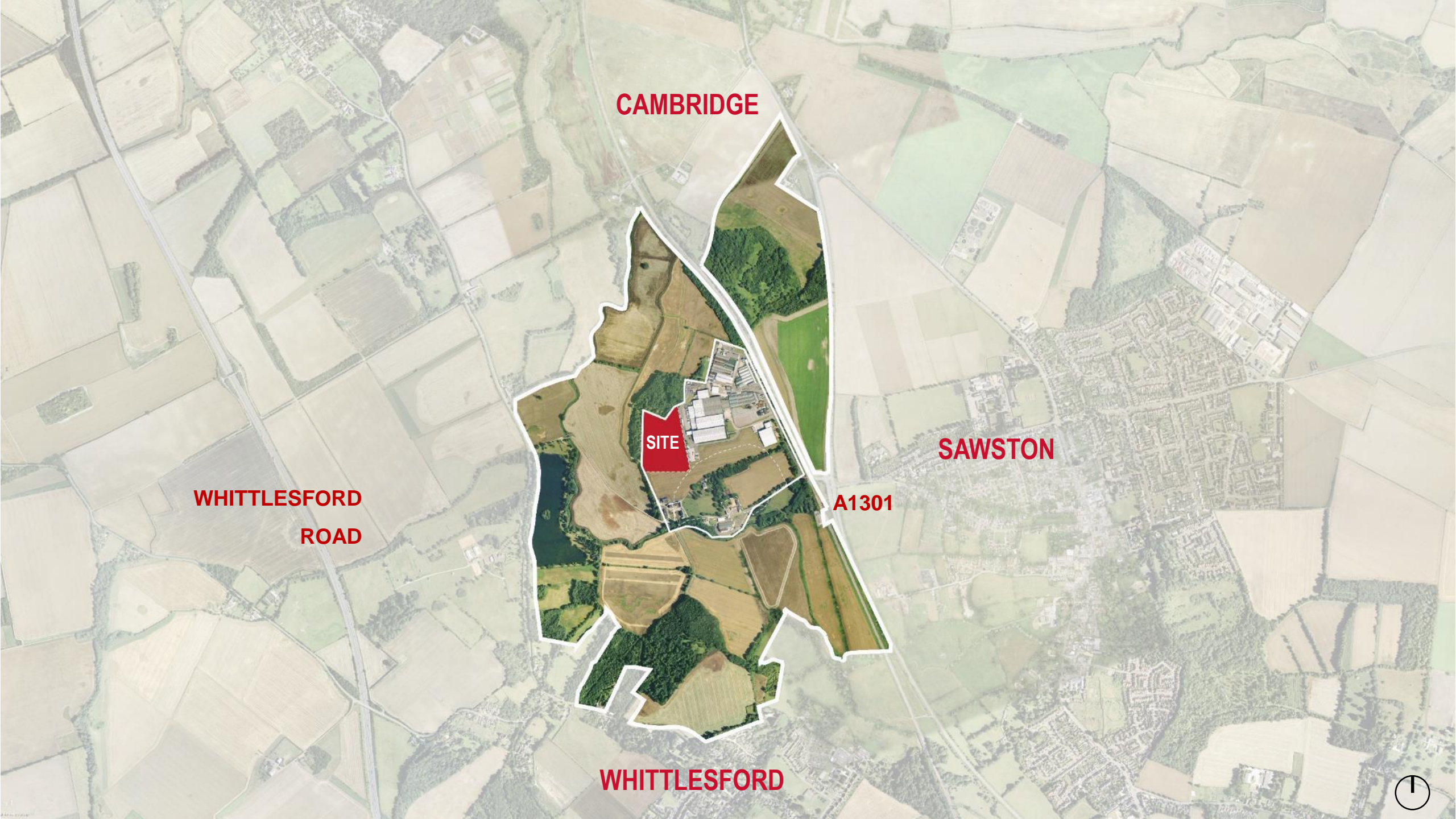
No. 61 in the
Fortune Global 500



Vision for the new Cambridge site

- A world class research and development facility for next generation products
- Facilities for collaboration with universities and research establishments
- Positioned to attract the best talent from the UK and Europe.
- Provide a healthy and inspirational workplace

The proposed new site significantly enhances the Cambridge technology ecosystem by providing world class cleanroom facilities that do not currently exist in the region



CAMBRIDGE

SITE

SAWSTON

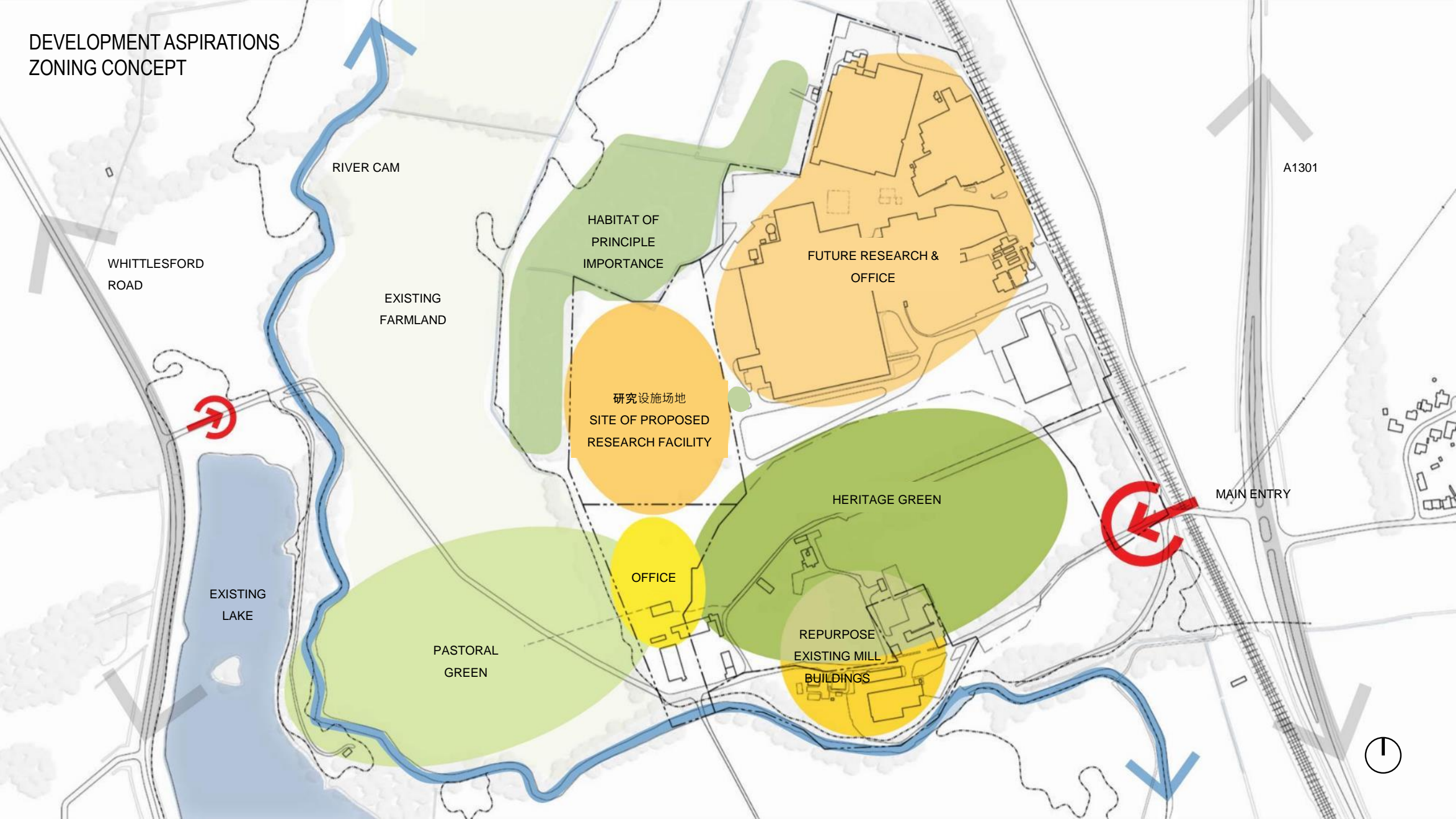
**WHITTLESFORD
ROAD**

A1301

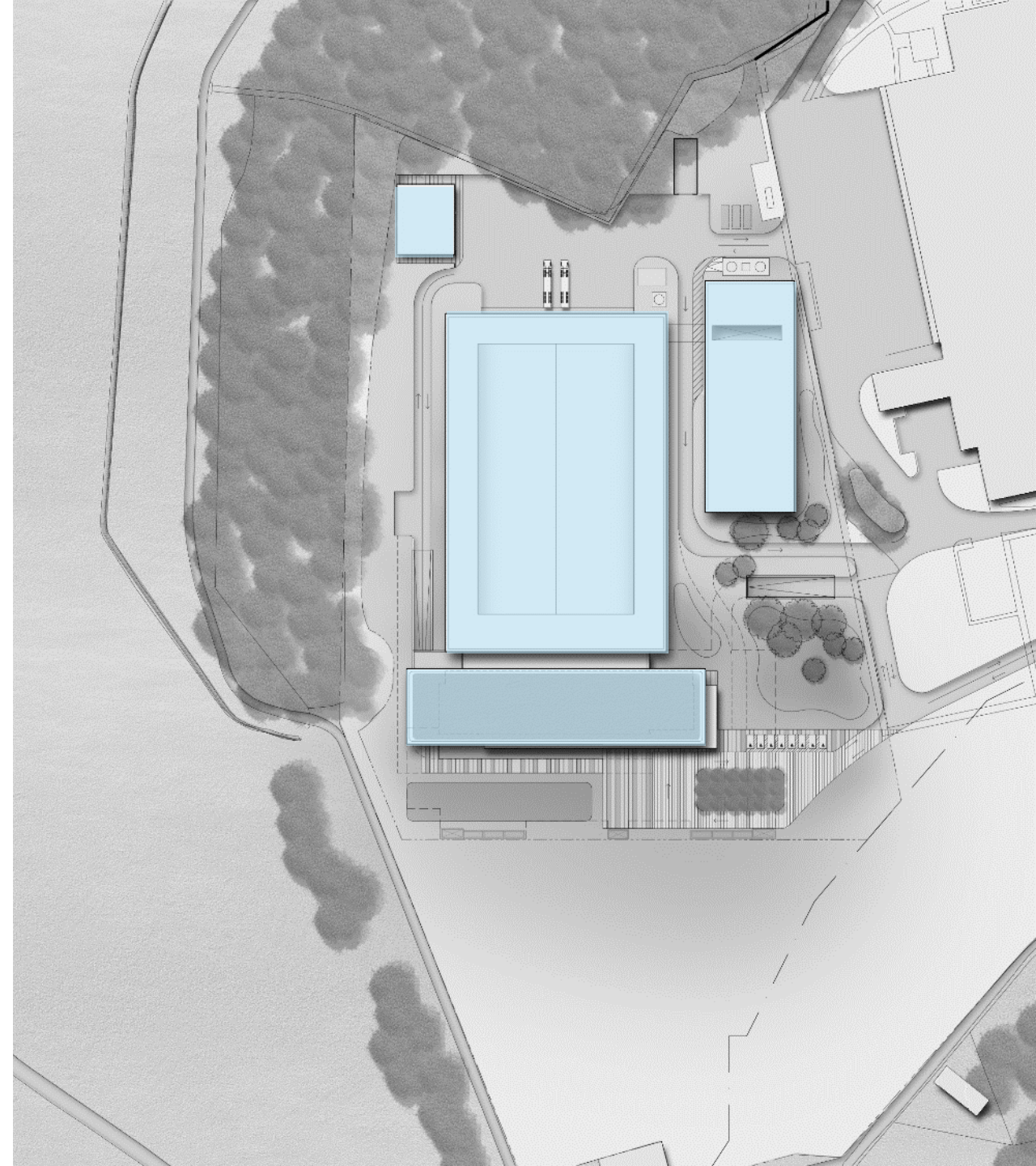
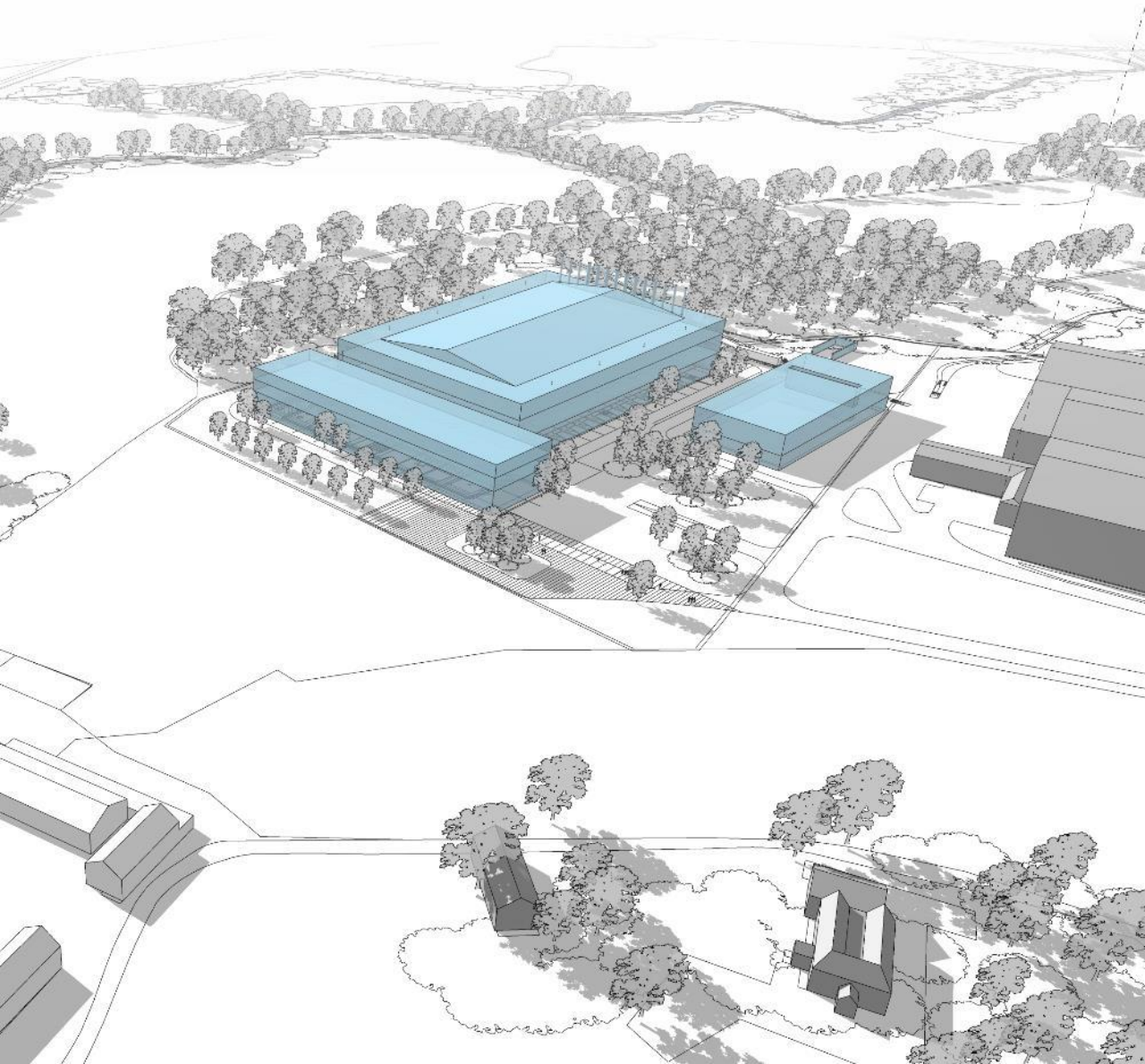
WHITTLESFORD



DEVELOPMENT ASPIRATIONS
ZONING CONCEPT



INITIAL CONCEPT



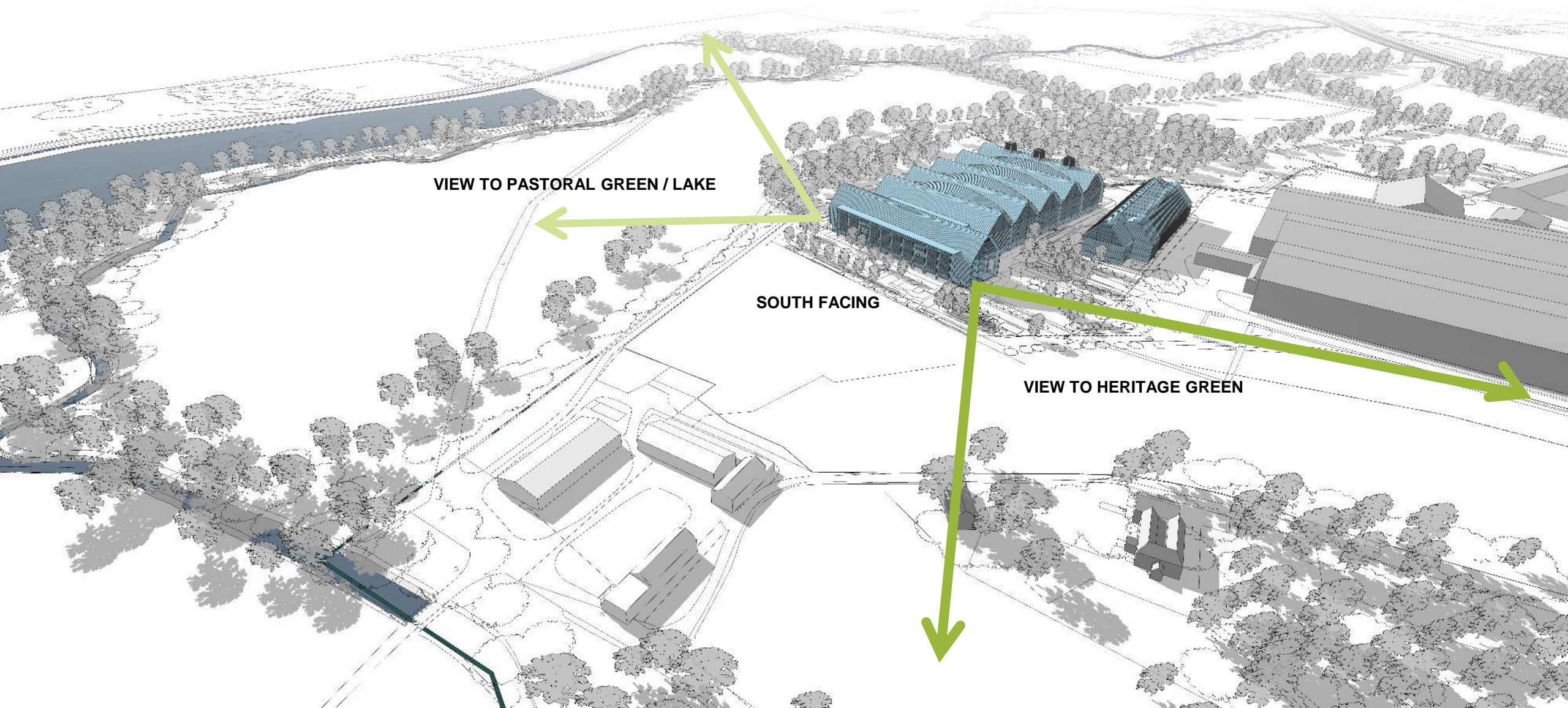
Result of Landscape & Visual Impact Assessment (LVIA)

- An assessment of landscape and visual effects was undertaken in accordance with the current best practice guidance:

Guidelines for Landscape and Visual Impact Assessment', (GLVIA) produced by the Landscape Institute with the Institute of Environmental Management and Assessment (Third Edition, 2013).

- The previous planning application for the site was withdrawn in September 2019 following concerns raised by the Council regarding potentially significant landscape and visual effects.
- As a result a revised scheme has been developed, giving careful consideration of landscape and visual effects. The scheme seeks to remove the stark linear ridgeline and eaves, creating rolling form, better integrated and more sympathetic to the tree lined setting.

UPDATED CONCEPT



VIEW TO PASTORAL GREEN / LAKE

SOUTH FACING

VIEW TO HERITAGE GREEN

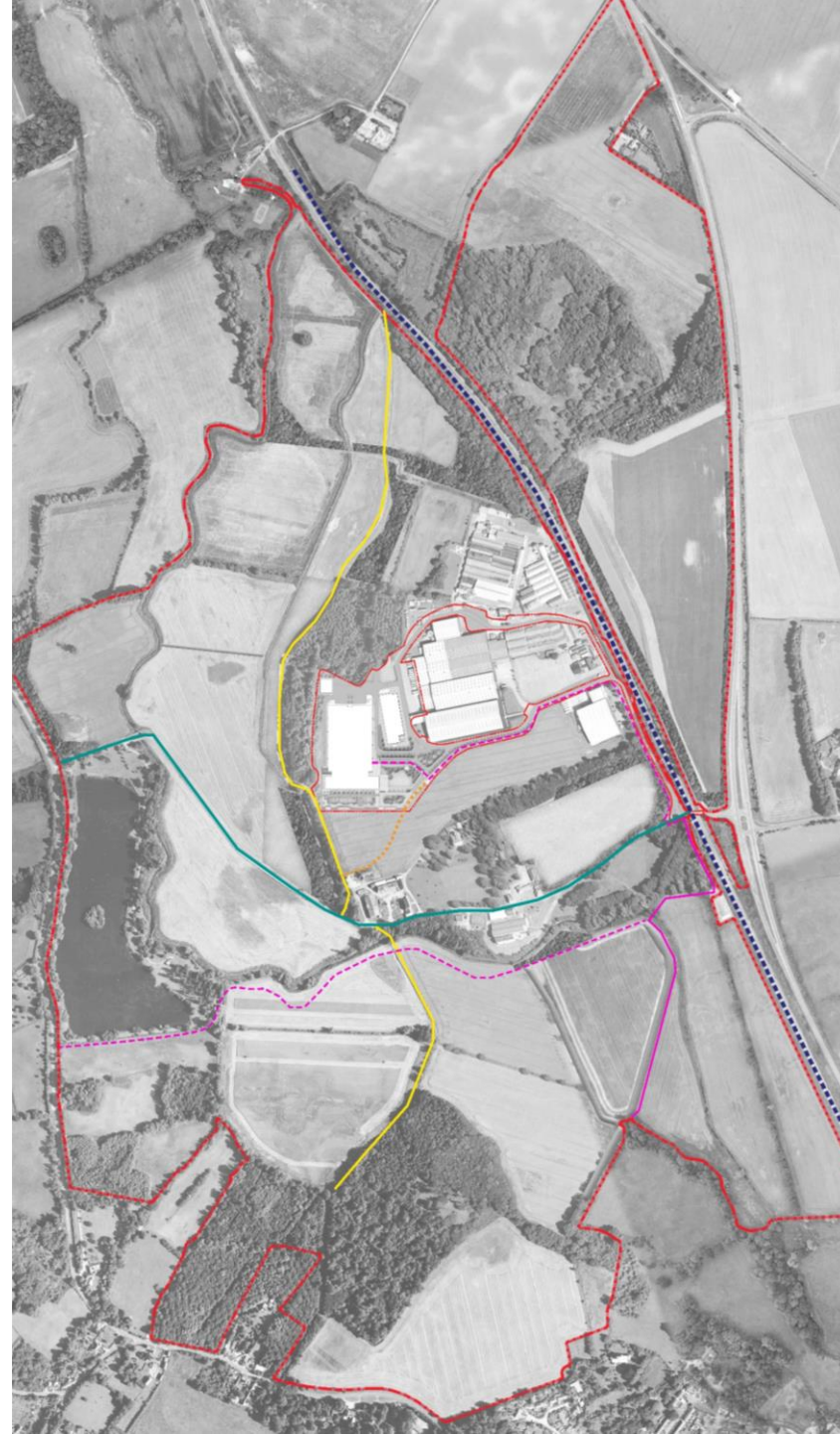


EAST ELEVATION












OVERALL CIRCULATION



LEGEND:

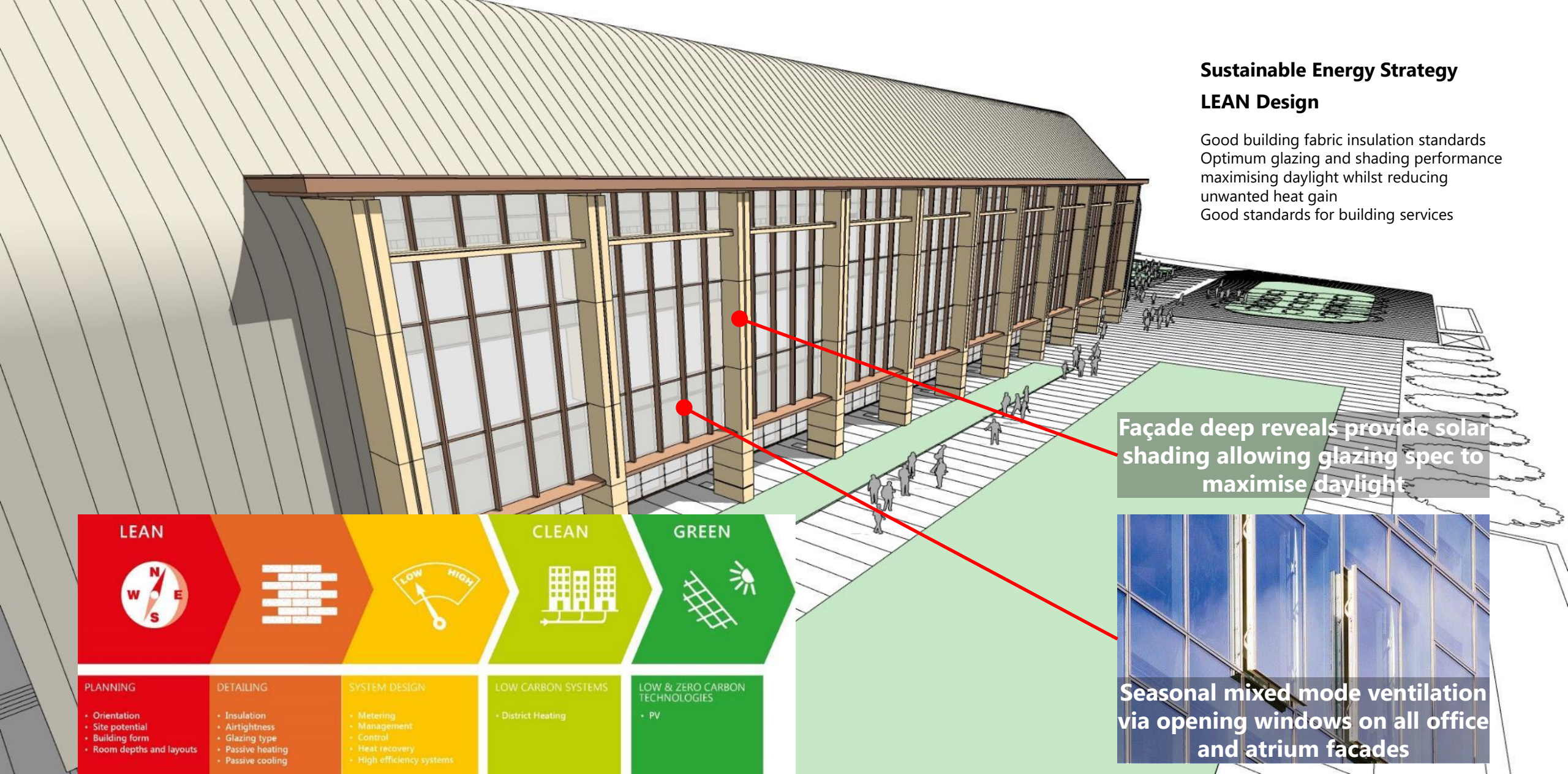
-  Site ownership boundary
-  Railway
-  Existing private lane
-  Existing agricultural track
-  Proposed footway connection
-  Existing shared pedestrian/cycle footway
-  Proposed shared pedestrian/cycle footway



Sustainable Energy Strategy

LEAN Design

Good building fabric insulation standards
Optimum glazing and shading performance
maximising daylight whilst reducing
unwanted heat gain
Good standards for building services



Façade deep reveals provide solar shading allowing glazing spec to maximise daylight

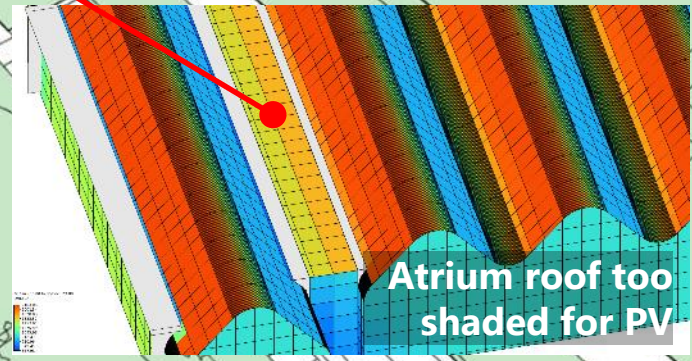
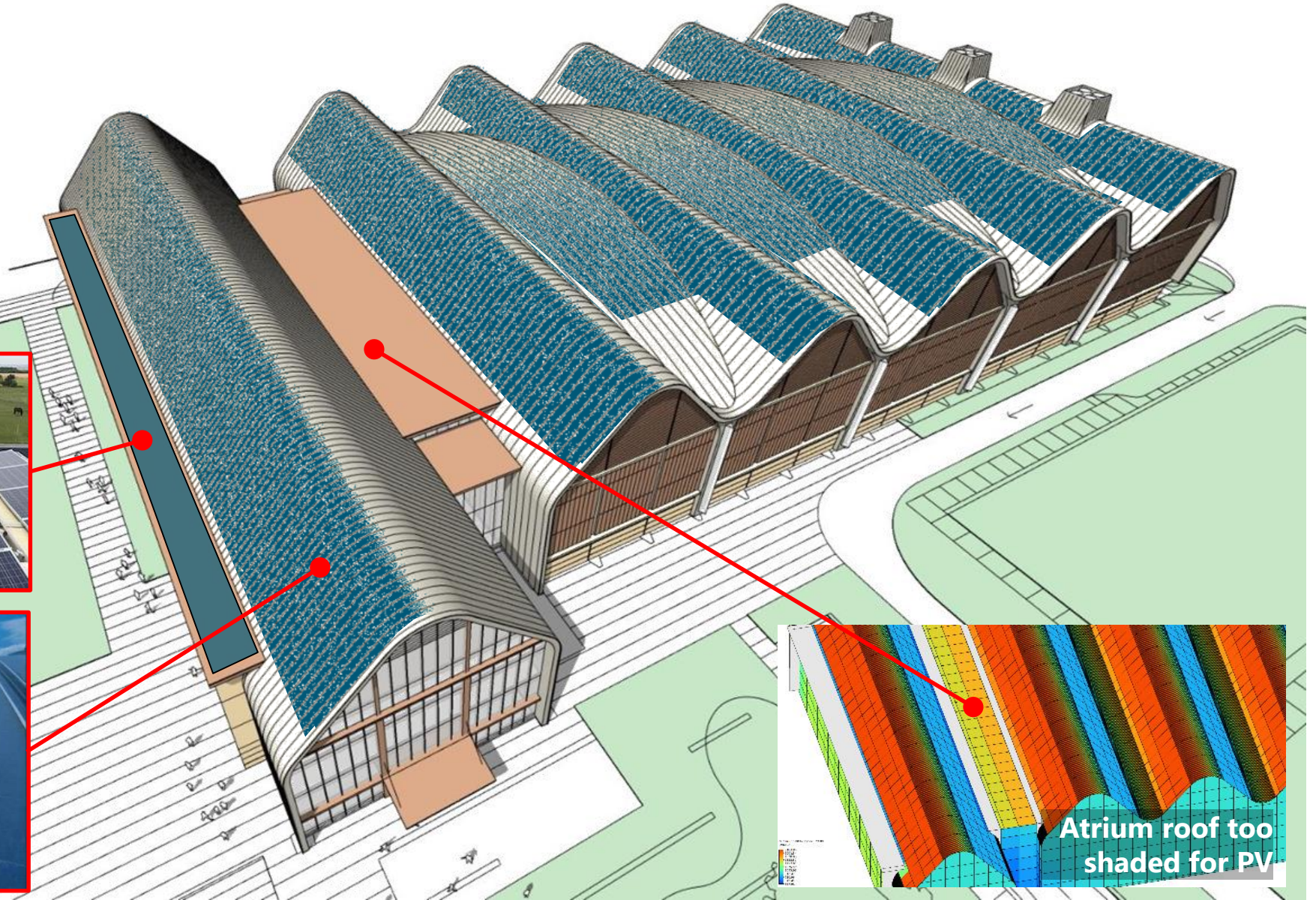
Seasonal mixed mode ventilation via opening windows on all office and atrium facades



GREEN Design

PV integrated into standing seam roof

PV efficiency 11-13%
PV area approx. 6,500m²
7.9% LZC contribution





Land and Nature – preserve the ecology of the site by protecting and restoring land for the benefit of the people with a greater than 10% net biodiversity gain



Sustainable Water – using water efficiently, protecting local water resources and reducing flooding and drought – 25% improvement over notional BREEAM requirements



Low Carbon Energy – making buildings energy efficient and maximising renewable energy generation with at least 10% regulated energy consumption generated by LZC technologies



Sustainable Materials – Using materials from sustainable sources and promoting products that help people reduce consumption



Travel & Transport – incorporating pedestrian/cycle links across the site; links with public transport; promoting EV use with rapid charging facilities

Bespoke sustainability framework – Better than BREEAM

7 sustainability principles aligning planning policy and the high tech manufacturing research facility focusing on its energy and water consumption



Climate Resilience – building in capacity to adapt to a changing climate and future weather extremes, protecting the long-term health of occupants and functionality of the campus.



Waste Management – recycling and waste reduction and collection during construction and operation

Thank you.



HUAWEI

