### **SATE Mission**



To create the UK Centre of Excellence for Sustainable Regional Aviation enabling demonstrations of novel aviation technologies with proven use cases to commercialise innovation in a real world environment whilst reducing emissions.

- A dedicated test environment airspace
- Based at Kirkwall Airport, Orkney, providing hub and spoke flight opportunities
- Low-carbon airport infrastructure and renewable energy demonstration opportunities
- Flight trials demonstrated in a real-world context for low-carbon fixed-wing aircraft and UAVs
- · Business and community real world use cases
- · Building the future aviation system for the Highlands and Islands region
- Comprehensive skill set available
- Local supply chain and employment impacts
- Contribute to Net -Zero aviation goal by 2040

Commercialin-confidence





### **DELIVERING THE REGIONAL AVIATION SYSTEM OF THE FUTURE**

SATE is creating a UK Centre of Excellence for Sustainable Regional Aviation, enabling demonstrations of nevel aviation technologies with proven use cases to commercialise clean innovation in a real world environment.

Airports represent key energy clusters with the potential to increase clean analygication and application at a local level. HIAL will work in partnership with key stakeholders to ensure that its airports play a strategic role in the wider energy transition.

The Sustainable Aviation Test Environment, is the first step on an inspiring journey towards activering a Net Zero Aviation Region status. At the heart of our vision lies a desire to build a sustainable future with innovative technology developers and local communities to deliver smarter transportation solutions and support national economic growth.



### COMMERCIAL COLLABORATION

This "owing laboratory" offers the full range of services, enabling a holistic approach to the development of commercial educations for future flight technologies and amount intrastructure.



We're exploring a wide range of opportunities to accelerate the adoptior of low carbon technology. SATE will work with its innovation partners to expand regional infrastructure to test and demonstrate the adoption of zero emission aircraft.

## COMMUNITY ENERGY HUBS

# GROWING LOCAL SKILLS AND KNOWLEDGE

As the next generation aviation industry grows and new arroral are adopted on regional routes, new opportunities will be created for regional businesses. Affracting business investment to the region will create jubs, build new commercial and academic partnerships and ultimately.

## AIRSPACE TEST

Working with the CAA, SATE will create an operational test air space environment to support new and updated regulations.

### PILOTLESS AIRCRAF

Draines and autonomous technology will provide new ways to connect people, transport goods and deliver services. Next day deriveries, supporting vital health and environmental services, and new markets for fresh or perishable goods will all to possible using airborne technology.

COMMUNITY CONNECTIVITY

Air links are a vital and essential part of the infrastructure of the Highlands, and Islands. We will collaborate in the development of zero emission aircraft which are more affordable and resiliant to ultimizely enhance air connectivity for our communities both connectivity for our communities both connectivity.

#### INTEGRATED TRANSPORT

Air traval is one link in the transport pointing but we will work with our local communities and stakeholders to potential an amission free travel experience from home to final destination. Our future regional availation system will also demonstrate the safe integration of new technologies with existing arrigance users.