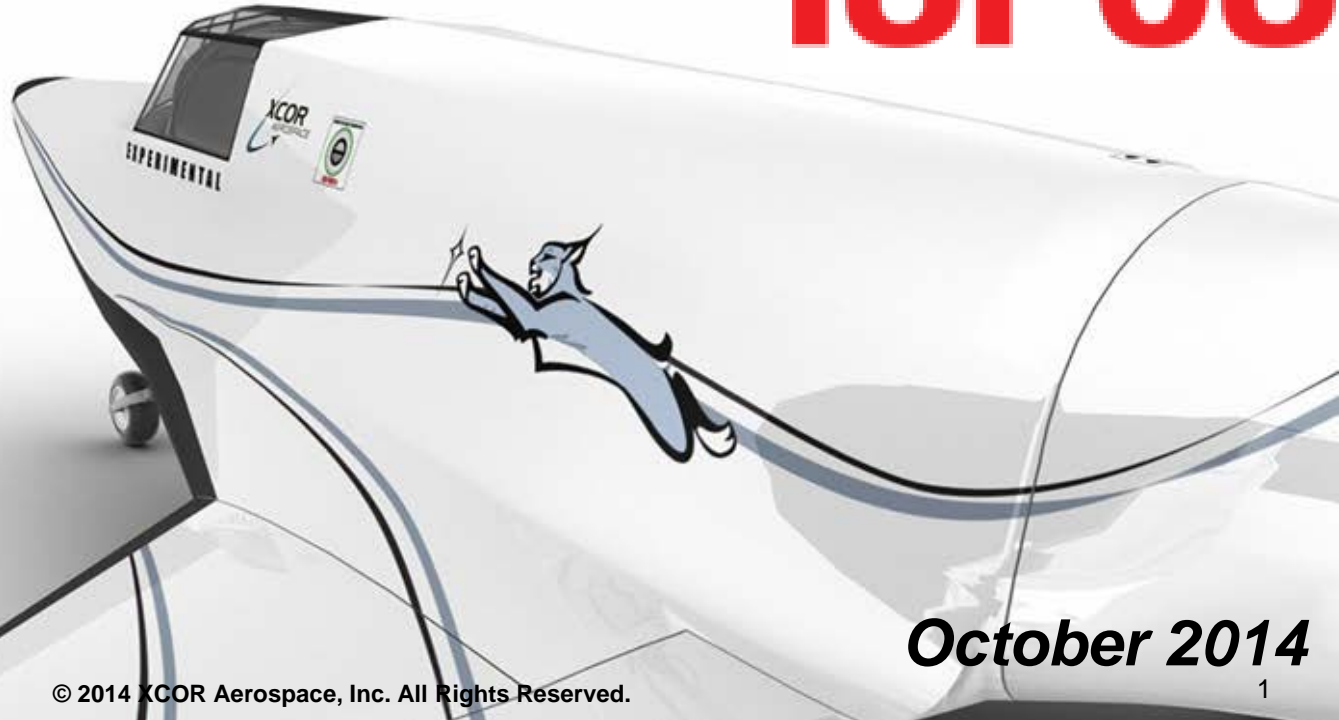


**YOUR MISSION.  
OUR SHIP.**



**ISPCS**



**October 2014**

# Wright Brothers & Regulation



[www.CoxAndForkum.com](http://www.CoxAndForkum.com)

**BUT → Clearly Some Rules Needed**



# INTERNATIONAL REGULATORY DEVELOPMENTS

# United Kingdom (1)



## Regulation of Spaceplanes

- 2011-12 – Informal Industry / Govt working group on spaceplane regulation
- 2013 – Official Govt study group formed (CAA, UK SA, DfT, MOD, BIS)
  - Extensive Industry Outreach
- Results Published – July 2014



# United Kingdom (2)

---



## Scope of Study

- Review demand / need
- Review US regulations
  - And other approaches
- Review industry status
- Review UK frameworks
- Coord. w/stakeholders
- Assess potential UK sites
- Determine course of action

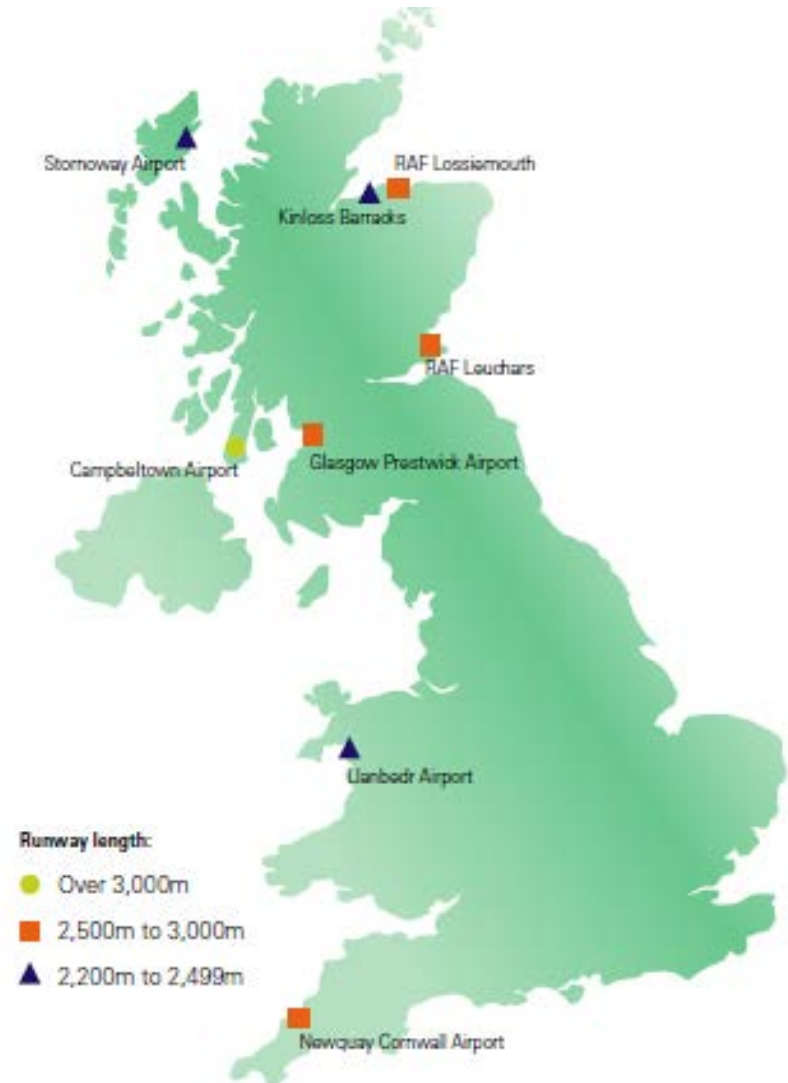
## Approach

- One year study period
- Extensive stakeholder coordination / outreach
- Fact finding missions
- Numerous site visits
- Research
- Outside review
- Consensus building
- Reporting

# United Kingdom (3)



- Results ...
  - Suborbital spaceplane need special regulation
  - Use “Experimental” designation under European “Annex 2” rules
  - Amend UK Air Act to allow fee for service w/Experimental a/c
  - Require “Informed Consent” for participant
  - Develop spaceport frameworks
    - 8 potential sites identified
  - Coordinate w/US FAA
  - Implement by 2018



# Other Parts of Europe

---



- EASA (European Aviation Safety Authority)
  - Stopped pan-European spaceplane regs
- Sweden –
  - Existing space regulations (sounding rockets)
  - Seeking upgrade for spaceplanes
- Germany –
  - Evaluating US and UK approach
  - Considering “reciprocity” model similar to aviation today



# Curacao

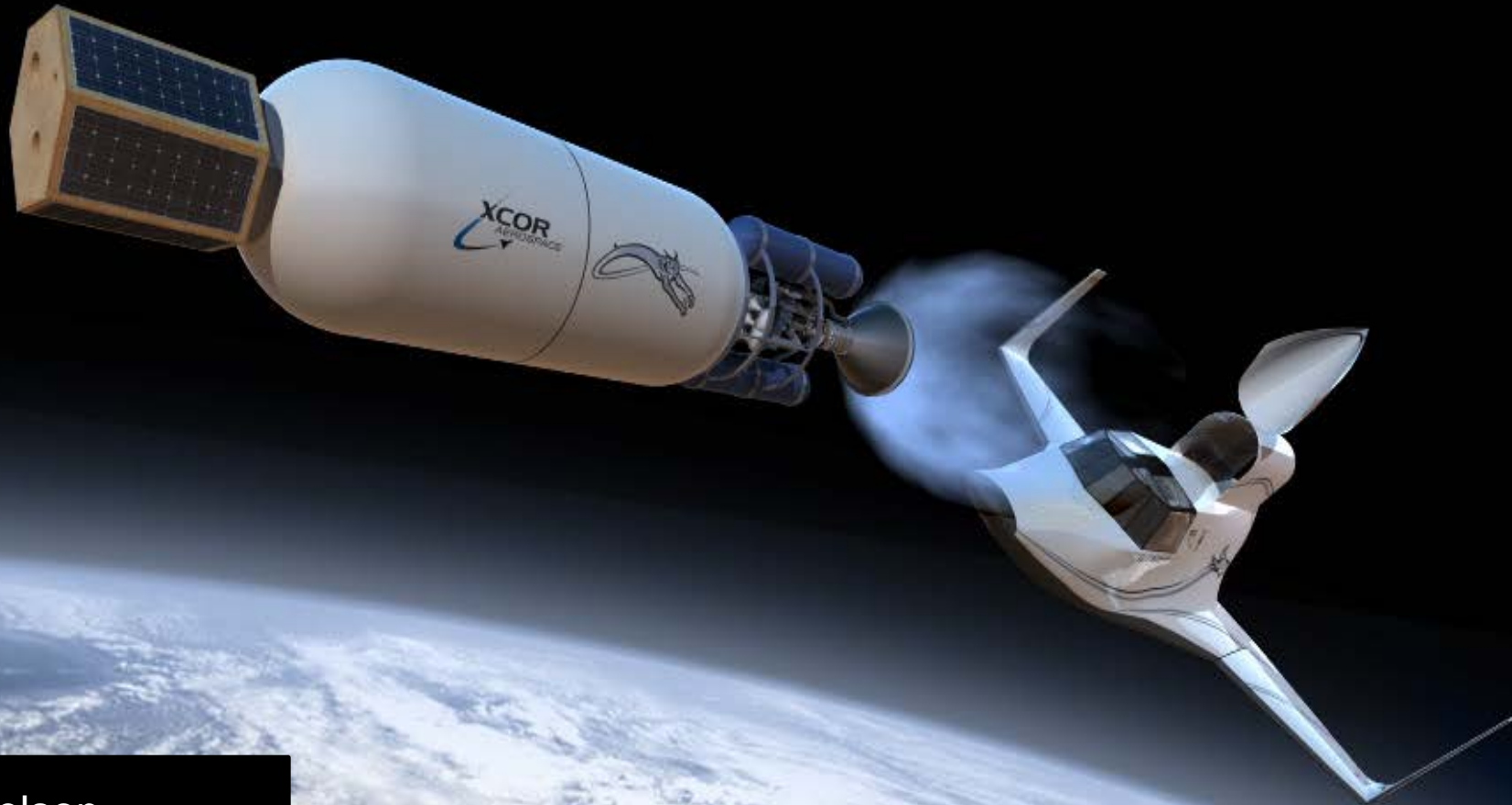


- New space law drafted
  - Extensive US FAA consultation
- New legislation under review by Parliament
  - Potential passage 2Q2015
- Formation of space competency inside govt Aviation department





# Thank You!



Andrew Nelson  
President  
+1-617-899-8873  
anelson@xcor.com