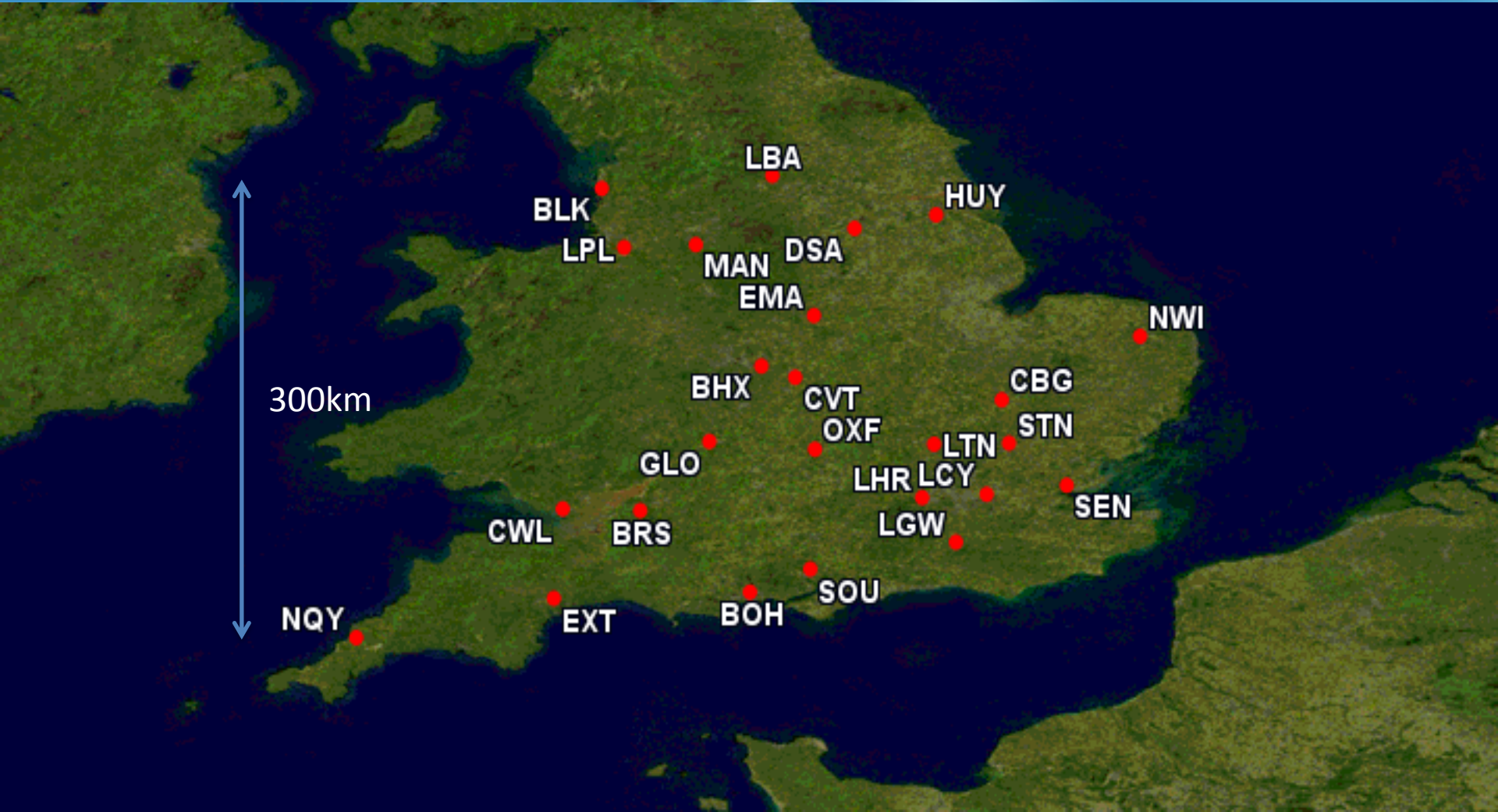
The background is a solid blue color with a complex, abstract pattern of light reflections and ripples, resembling water or a liquid surface. The light creates bright, curved streaks and highlights that flow across the frame, giving it a sense of movement and depth.

Insurance Institute of London
May 2014

Paul Kehoe
CEO
Birmingham Airport

Southern England & Wales - 25 Airports all chasing 195m passengers



Connections to Markets

- BHX best connected airport by road and rail in UK*
- 159 direct international flights
- 2 major alliances – Star, Skyteam plus non-aligned
- 400 connections over major and intermediate hubs
- New runway extension extra 400m = 2,500nm (4500km)
- New High Speed Train to BHX to London 35 mins

Business wants connections – connections drive the economy

- 42,000 companies in Birmingham region
- 900 multi-national firms
- Key large corporate companies
 - Rolls Royce, Deutsche Bank, Mondelez-Cadbury, Allianz-Boots
 - Tata – Jaguar Landrover, Shanghai Auto - MG, Aston Martin , JCB
- £95billion local economy
- 58% exports to non-EU markets
- 2012 - £600m inward investment
- BHX region trade surplus with EU and BRIC/MINT
- 3m in city region, 10m people in 1 hour

Route activity generates jobs

- 9.1m terminal pax – 6500 airport jobs
 - 5900 in 140 companies, 600 in airport company
- Every 1m extra pax generates 600 new jobs
- New Aero Eng Hangar – 300 engineers + 900 new jobs
- Future BHX – 6500 to 25,000 new jobs
- UK Central – aerotropolis/HS2/NEC c 30,000 extra jobs
- UK Central >10 times larger than MAN airport city

A long haul runway for BHX

- 30 years in the planning
- Business case & shareholders
- Community and stakeholders
- Local council - planning permission
- Find the builder - competitive dialogue
- Design it, move it, build it, resurface it, open it

A long haul runway for BHX



The background of the slide is a vibrant blue color with a dynamic, abstract pattern of light blue and white ripples, resembling water or a liquid surface. The ripples are most prominent on the right side, creating a sense of movement and depth. The overall aesthetic is clean and modern.

Video here

The Construction Process and Challenges

- Procured through a Competitive Dialogue Tender
 - Two clients BCC and BIA and separate highway adopting authority
 - Design and build NEC Option A Contract - Value £45million
 - Joint Venture VolkerFitzpatrickColas with CH2MHill Halcrow as designer
-
- Three projects in 1
 - Build a new 8 lane road –A45, Bus lanes, Perimeter road
 - Extend a runway and taxiway
 - Upgrade and resurface existing runway
-
- Awarded in March 2012
 - Construction commenced July 2012
 - Complete May 2014 but operational in April 2014

The Challenges –Highways

To build:

- 1500 m dual carriageway diversion for A45
- Centro bus lanes
- Airfield perimeter roads

- Ecology – Special grasses and 691 Crayfish relocated
- Earthworks – 420,000m³ Mercia mudstone to excavate 7m below ogl
- Major utility diversions in a very narrow corridor
- Traffic management constrictions
- Water management with new 40m wide 7 m deep channel created

- Construction started in July 2012, highway completed August 2013

The Challenges –Airfield

- Night possessions programme in wettest winter ever !!
 - Earthworks – 180,000m³ Cut, 214,000m³ Fill
 - 16,000 m³ site batched concrete in taxiways
 - 48,000 t of site batched Asphalt
 - 3.2km of new drainage with 500m of 1.8mdia attenuation culverts
 - 1400m of slot drain
 - New agl systems (18km cabling,1100 lights, 332 pits & 4km agl drainage)
 - 2 new pumping stations with 1000m of rising mains
 - 522 m of new fire mains
- Airfield started August 2013 completed April 2014

The Successes

- No Accidents –everyone went home safely
- Highway and Airport operations maintained throughout
- All stakeholders happy
- Created local employment
- Delivered a quality project in very tough programme
- Created infrastructure that allows future expansion of the airport



Thank you