Rolls-Royce Stennis

Outdoor Jet Engine Test Facility

Dan Lyon – General Manager
Daniel Vinyard – Test Operations Manager
Rolls-Royce

- Rolls-Royce pioneers cutting-edge technologies that deliver the cleanest, safest and most competitive solutions to meet our planet’s vital power needs.
- Structured in 3 customer focused business units
  - Civil Aerospace
  - Defence
  - Power Systems
- Almost 50,000 employees in 50 countries
- Customers in 150 countries
- Over $15bn in underlying revenue (2017)
- Over $78bn order book (2017)
- Over $1.4bn investment in R&D (2017)
Rolls-Royce Civil Aerospace

- Makes up over 50% of the Rolls-Royce business

- Will have over 50% of the large aircraft market in-service by 2020

- Large civil engines supplied to Boeing and Airbus

- Increasingly international engine design, development, and testing effort
  - Europe, North America, and Asia
Rolls-Royce Stennis Vision

- **Sole outdoor testing facility for Rolls-Royce**
  - Test the next generation of jet engines
- **Focused on the completion of key outdoor tests**
  - Noise assessment
  - Crosswind operation
- **Decision made in 2006 to re-locate to Mississippi**
- **Facility opened in 2007**
  - One test arena
  - Prep shop with 2 gantry bays
  - 140,000 gallon fuel farm
  - Associated office, storage and operating buildings
Stennis Opening – 2007
Rolls-Royce Stennis Expansion

- Facility expansion opened in 2013
  - Second test arena
  - Additional 140,000 gallon fuel farm
  - New test bed control room
  - New office accommodation

- Expansion supported by an MDA grant as well as funds from Hancock County Port and Harbor Commission

- Facility increased to over 100,000 sq ft
Stennis - 2016
Engine Product Testing
Mississippi Partnership

• **Stennis facility is as a result of the partnership between Hancock County, NASA, State of Mississippi and Rolls-Royce**

• **Rolls-Royce has benefited from financial support for the construction of facility infrastructure**

• **Ongoing regular engagement across a range of business related subjects to maintain competitiveness**
Summary

• **Rolls-Royce is proud to be a part of Hancock County and State of Mississippi**
  • We have a great facility with great people to support the introduction of the next generation aircraft

• **Appreciate the business climate we operate in**
  • Access to the right infrastructure for our requirements
  • Supportive local businesses
  • Electrical, equipment leasing and maintenance, hydraulics, general fabrication contractors
  • Safety supplies and consumables
  • Cost competitive