

# Rolls-Royce Stennis

## Outdoor Jet Engine Test Facility

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# 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)**



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# 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



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# 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



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# Stennis Opening – 2007



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# Stennis Test Arena



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# 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



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# Engine Product Testing



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# 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**



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# 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



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