

# Tempest

Rolls-Royce is integral to the Team Tempest programme working closely with the Royal Air Force and our industry partners, BAE Systems, Leonardo and MBDA.



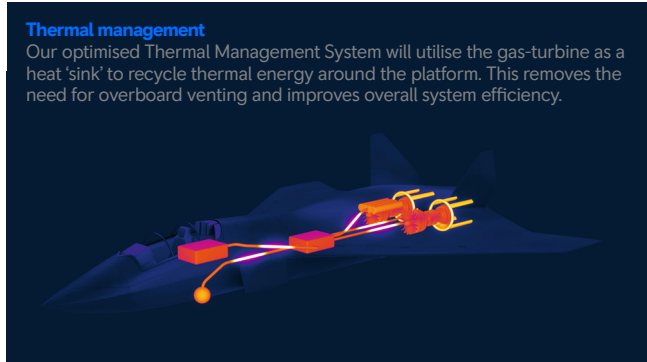
## The Future of Combat Air

Our ability to develop cutting-edge technologies to meet global power needs, teamed with our advanced power and propulsion systems means we will play a major part in the next-generation fighter jet strategy to ensure Team Tempest leads the world in the combat air sector.

Over the next eight years Rolls-Royce will continue our commitment to sustaining and developing key skills and attracting future talent that will form the backbone of not only Team Tempest, but also our wider defence capability.

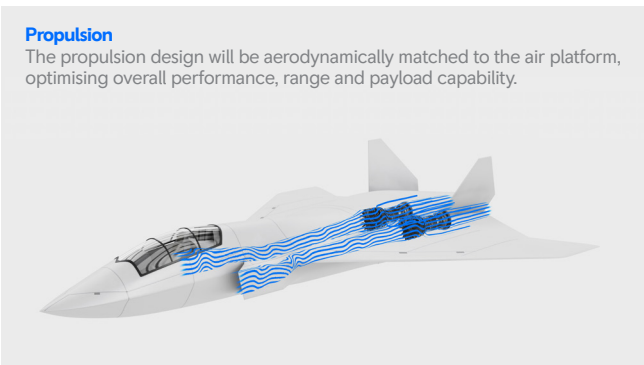
### Thermal management

Our optimised Thermal Management System will utilise the gas-turbine as a heat 'sink' to recycle thermal energy around the platform. This removes the need for overboard venting and improves overall system efficiency.



### Propulsion

The propulsion design will be aerodynamically matched to the air platform, optimising overall performance, range and payload capability.



### Integrated Power Management

Increased electrical power generation capability coupled with an intelligent power management system will meet the growing demand for air vehicle electrical power. This integrated power approach reduces the number of energy exchanges, maximising the potential of the gas-turbine as the primary power source.

