

AEROSTRUCTURES ROADMAP



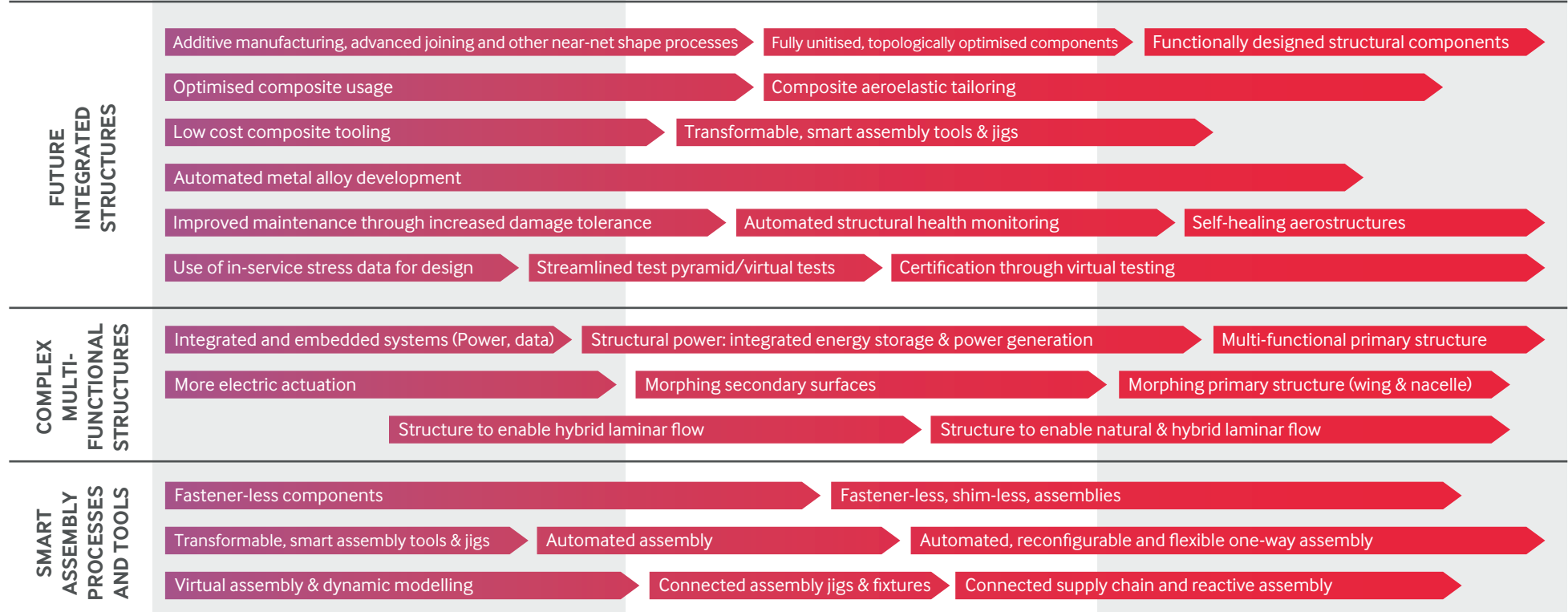
DRIVERS

Reduce Cost: through-life costs via improved manufacturing productivity, reduced maintenance and designing for end-of-life recycling
Improve Energy Efficiency: reduce structural weight through greater integration, optimised structural designs and novel architectures
Protect the Environment: reduce buy-to-fly ratio of components and work towards a recyclable circular economy
Meet Operational Needs & Flexibility: easy and cost-effective repairs, damage tolerance, self-monitoring and self-healing structures, upgradeable components
Improve Safety: through crash resistant airframes, cabins and interiors and through improving damage tolerance and product durability/dependability

TARGET (EIS)

BUY-TO-FLY RATIO relative to 2019 baseline	20% reduction on average	35% reduction on average	50% reduction on average
PRODUCTIVITY RATES relative to 2019 baseline	20% increase	30% increase	40% increase
AIRFRAME WEIGHT relative to 2019 baseline	25% reduction on average	30% reduction on average	35% reduction on average

TECHNOLOGY PRIORITIES (TRL 6)



2020-2025

2025-2030

2030-2035+