

A stylized blue graphic of a rail track, consisting of vertical and horizontal bars, positioned on the left side of the slide.

Better Clienting for Efficient Delivery of Electrification

A stylized blue graphic of a rail track, consisting of vertical and horizontal bars, positioned on the right side of the slide.

Lisa Webb

Network Rail Capital Delivery Eastern



MML Programme & Key Deliverables

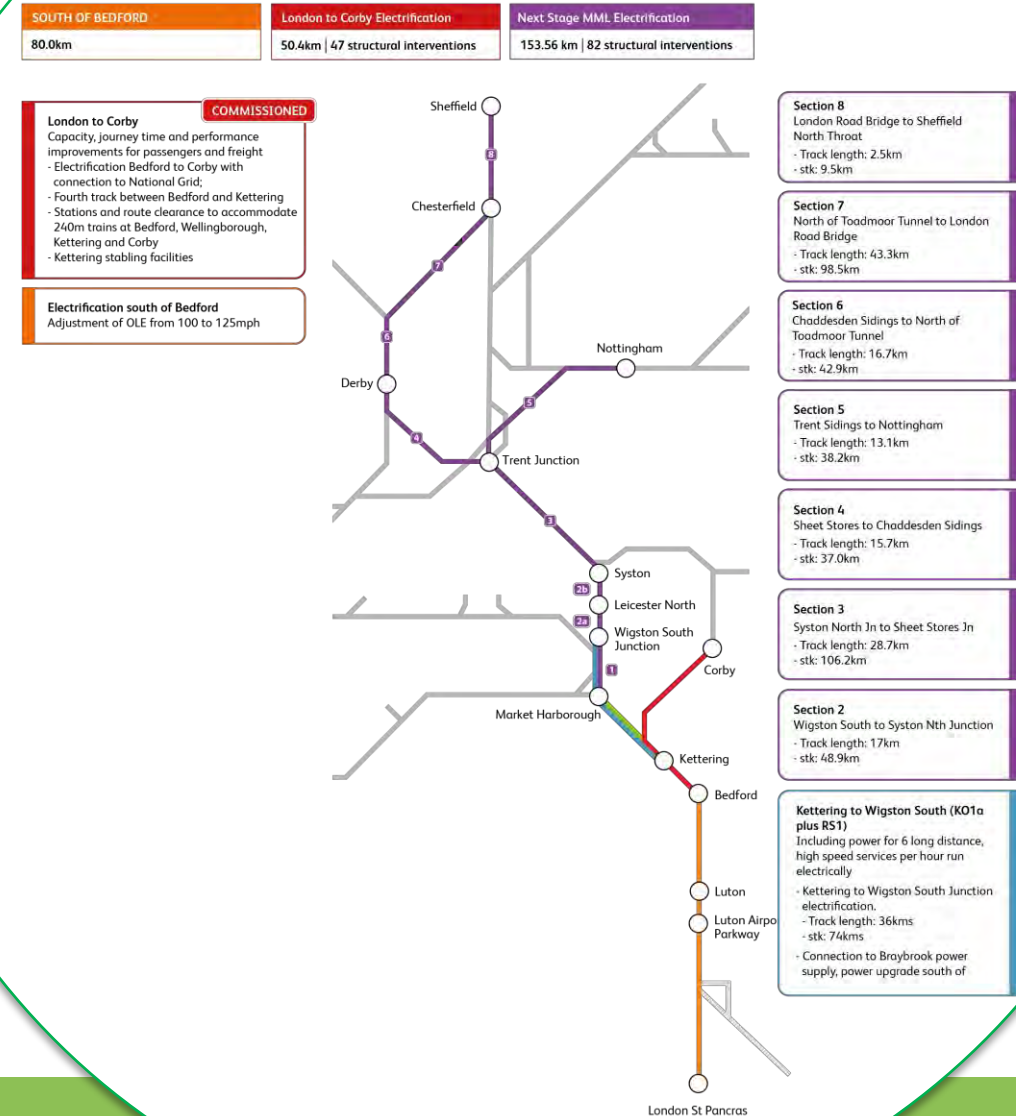
Enable electric operation of a 2040 future timetable including:

- Works for the Overhead Line Equipment (OLE) extension to Sheffield & Nottingham;
- Route clearance to accommodate OLE extension, including major track and civil works; and
- Increased power supply to support electric passenger services to Derby, Nottingham & Sheffield

London to Corby electrification has recently been completed.

Electrification between Kettering and Wigston is in flight and delivering well.

The next stage of development is for further electrification between Wigston and Nottingham, Derby & Sheffield.



Strategic Development Principles Underpinning MMLE



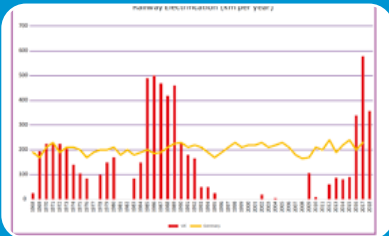
Create Certainty

- Fix scope and requirements
- Multi-disc design to optimise individual packages (integrated / client Led)
- Firm up master schedule & access plan in advance (deconflicted)
- Not seek to pass on strategic risk that is best managed by the client



Reduce Complexity

- Standardise (work types, then products) – package similar works
- Productionise (repeatability – safer, higher quality, factory model)
- Reduce interfaces; separate work disciplines and deconflict
- Design to avoid existing asset deficiency issues – MVP driven across all aspects of operations



Optimise Scarce Resources

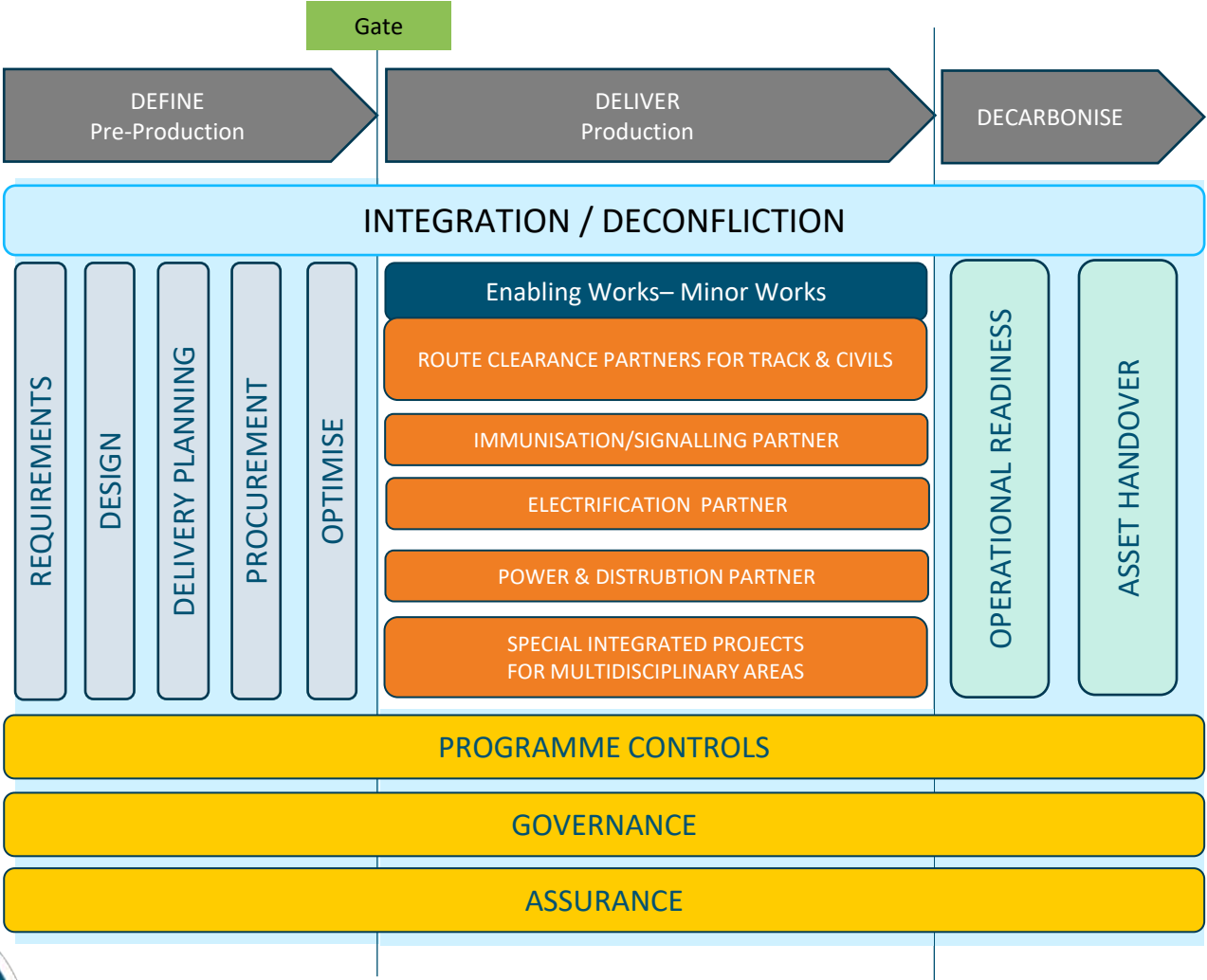
- Access; Plant; Skilled Workforce; Materials – level the plan & secure in advance
- Play to Strengths in the supply chain – no square pegs in round holes
- Invest in technology to drive innovation and outperformance of productivity and methods
- Incentivise and support supply chain performance, creativity, innovation and productivity



Relentless focus on cost drivers (internal and external, direct & indirect)

- Access; Complexity; Uncertainty; Complacency; Change; Overheads; Appropriate Risk Allocation; Quickest and Safest way of doing repeatable tasks; Enabling Productivity, Lean Focus; “Touch it once” & Right First Time, Culture & Leadership, Slash the waste in governance and assurance
- Understand cost base – RMM cost reporting and industry benchmarking; live real time updates to the cost plan for cost to complete certainty - Slash the indirect cost burden

Proposed MML Integrated Production Model



Production Line Approach

Pre-Production

- ✓ Network Rail augmented function (integrator / designer) to "Define"

- 'De-risk, value engineer, optimise, innovate, integrate' to deliver the '**Overall Performance Outcomes**'
- Upon reaching maturity of design, cost and programme the '**Individual Performance Outputs**' are defined prior to proceeding into the Production phase.

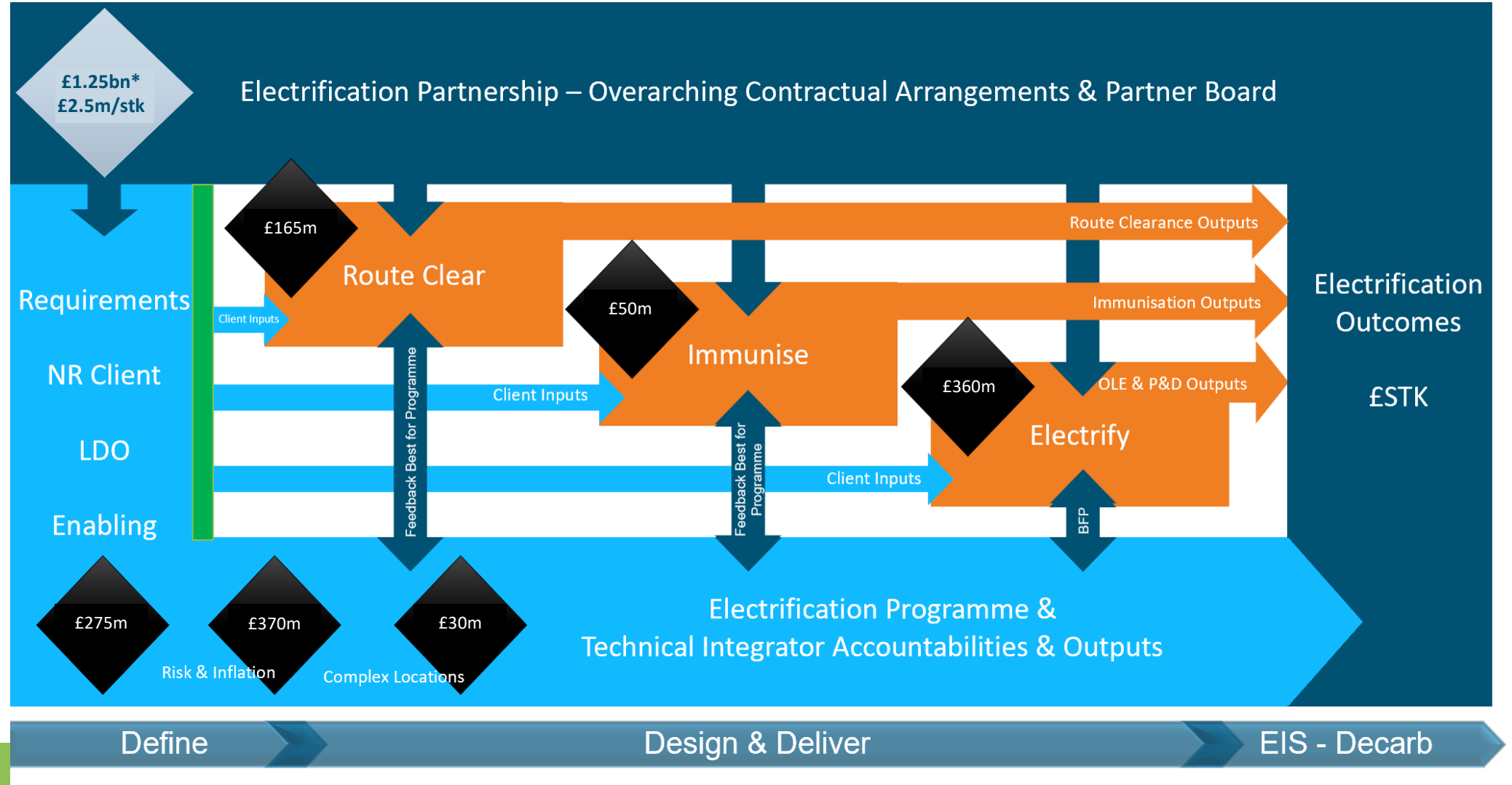
Production

- ❖ Partner (Contractor) to "Deliver & Decarbonise"

- Procurement through a **Framework Agreement** for detailed design and delivery
- Delivery to **Individual Performance Outputs** linked to **Overall Performance Outcomes**.



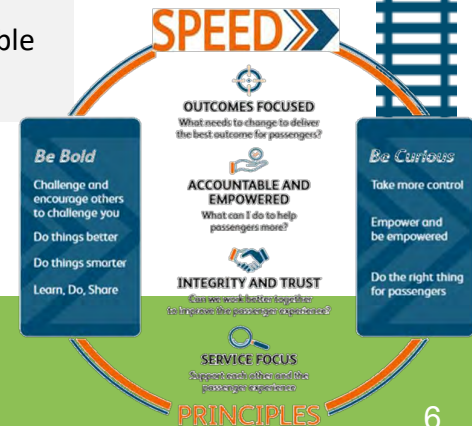
Partnership Environment to support the Electrification Production Line



* Less £132m for Route Section 1, which has already been procured.

Swift Pragmatic Efficient Enhancement Delivery

 Planning & Consents	Initiatives aimed at reducing the timeframes and costs associated with planning and consents processes.	 PACE & Optioneering	Replacement of GRIP with PACE, a more flexible framework which encourages application commensurate to risk. Support with accelerated option selection.
 Governance	Streamlining and improvement of governance processes, with higher confidence built in the portfolio.	 Timetabling	Early development of operating principles & timetabling to ensure schemes are developed with these at their core.
 Assurance	Creation of a progressive, integrated assurance approach.	 One Team Culture	Creation of a one team culture between NR & DfT that enables more efficient and effective working.
 Procurement	Improvement of NR procurement culture; enable the use of direct award; ensure there is whole system value for money	 Capability & Culture	Initiatives aimed at affecting the mindset, behaviours and culture of NR to help with the objective of reducing time and cost.
 Access & Possessions	Support with challenging approaches to access. Revision of the DWWP standard to help possession efficiency.	 RIR	Simplification of interoperability processes, with trial of an alternate process on an in flight scheme.
 Cost & Benchmarking	Creation of tools which will enable projects and programmes to know how much a scheme “should cost” to allow more effective cost challenge.	 Standards	Support with the challenge of standards to enable innovation and risk based design.



Focus Areas for MMLE to drive down indirect cost

