



An Australian Government Initiative



Regional
Development
Australia

REGIONAL DEVELOPMENT AUSTRALIA CENTRAL COAST

Modern Methods of Construction (MMC): Build Smarter, Faster and More Sustainably

Fact Sheet 4

October 2026

High Speed Rail and the Use of Modern Methods of Construction (MMC) in an Advanced Manufacturing Facility (AMF)

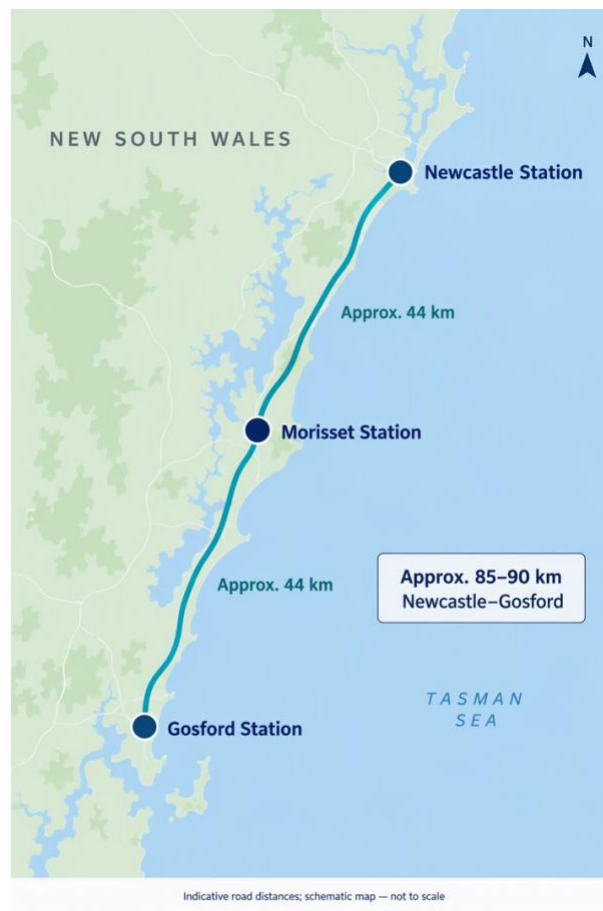
The Newcastle–Sydney High Speed Rail project is now in its Development Phase and is proposed to include a dedicated line, a Central Coast station at Gosford, major tunnelling and associated rail, station and systems infrastructure. The High-Speed Rail Authority has also commenced development of an Advanced Manufacturing Facility intended to produce most of the project's repeatable construction elements in a controlled environment ([High Speed Rail Authority, 2026a, 2026b](#)).

For the Central Coast, an MMC-led delivery model could create opportunities for local manufacturers, precast suppliers, logistics businesses, engineering firms and training providers to participate in the high-speed rail supply chain. Realising these benefits would require early supplier engagement, common technical standards, workforce development, careful transport and lifting plans for large components, and designs that maximise repeatability without limiting site-specific or architectural requirements.



Advanced Manufacturing Facility needs:

- Large, appropriately zoned industrial site close to the high-speed rail corridor and major road and rail freight routes.
- Reliable high-capacity electricity, water, digital connectivity and other essential utilities.
- Space for production lines, covered storage, laydown areas, quality-control laboratories, and safe loading and dispatch.
- Automated and robotic systems, precision manufacturing equipment, digital design and manufacturing platforms, component tracking, testing and certification, and flexible tooling.
- Capacity to manufacture repeatable structural, civil and rail-system components at scale.
- Skilled workforce across engineering, fabrication, advanced manufacturing, robotics, maintenance, logistics, quality assurance, and work health and safety.
- Partnerships with TAFE, universities, industry and local suppliers to support workforce and supply-chain development.
- Heavy-lift equipment, oversize-load access, coordinated transport routes, and strong supply-chain and inventory systems.
- Cyber and physical security, together with circular-economy measures for material efficiency, recycling and waste reduction.
- Early agreement on component specifications, interoperability, accreditation, procurement pipelines and local-content expectations to support business investment.



But where will the Advanced Manufacturing Facility be located? EOI are open now!

<https://www.hsra.gov.au/new-manufacturing-opportunities-with-australia-high-speed-rail>

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