



<b>Name:</b>	South Improvement Alliance	<b>Client:</b>	Australian Rail Track Corporation
<b>Value at Completion:</b>	\$130,000,000	<b>Site Location:</b>	Sydney to Melbourne Rail Corridor
		<b>Year Completed:</b>	2008

**Project Description:** Provision of signalling infrastructure for various subprojects associated with upgrading of the Sydney to Melbourne Rail Corridor

ARTC has formed an alliance relationship with industry partners, known as the South Improvement Alliance (SIA) to plan, design and deliver a range of improvements along the Sydney to Melbourne rail corridor.

The SIA encompasses the whole of the upgrade programme of works and includes rail signalling services, rail track works and civil services.

- Technical Highlights:**
- Project management
  - Concept and scope development
  - Value engineering and target cost estimation
  - Signalling system detailed design (through a sub-alliance partner)
  - Equipment, materials and services procurement
  - Assembly, wiring and pre-testing of trackside equipment cases
  - Installation of trackside equipment and housings
  - Installation of power supplies
  - Installation of cable route for power and control
  - Power and control cabling

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INTEGRATED ENGINEERING

- System testing and commissioning (through a sub-alliance partner)
- Site facilities and services

**Personnel:** Alliance Management Team Member: Francis Dwornik  
Delivery Manager - Train Control Consolidation: Robert Vaughan  
Construction Manager - Train Control Consolidation: Don Parkin  
Delivery Manager - Passing Lanes: Simon Vaughan  
Estimating/Procurement Manager: Barry Palmer

**Special Project Achievements** The adoption of an alliance structure for project delivery has ensured:

- Transparent collaboration on a best for project basis with all parties totally integrated and providing resources to meet the program objectives
- Value for money
- Fast track development and delivery of options
- Flexibility in solutions and delivery
- Non-adversarial approach

**Quality Standards Applicable**

- AS / NZS ISO 9001:2000
- All works and services to comply with ARTC engineering Standards

**Specific OH & S Requirements**

- AS/NZS 4801:2001
- ISO 14001:2004
- All works and services to comply with the Project Management Plan developed in accordance with ARTC and SIA rail safety requirements.

**Referees:**

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