

## Steamrail Workshop Relocation

**CLIENT: Victrack**

– Newport Workshops

**WORKS: Heavy Machinery**

**Workshop Relocation**

**DATE: October 2010**



### Scope of Works

- Determine Power Supply requirements & Design Power Distribution, Lighting & Emergency Lighting Requirements to current standards for new workshop location in Heritage Building
- Make Safe & Test all existing equipment for relocation to new workshop
- Install custom solution cable tray infrastructure for reticulation of machinery cabling
- Test, Repair & Upgrade of pre-WW2 workshop machinery power & control systems
- Perform risk assessment for each item of machinery & provide recommendations to client.
- Design & Install Emergency Stop systems & safety measures for 15 workshop machines
- Provide As –Installed documentation including AutoCad Drawings for project scope.

### The Challenges

- Working with a variety of machinery, much of it dating back to the industrial revolution, JNJ Electrics met the challenge of bringing this equipment back to life. This involved extensive rewiring, replacement of control gear & redesign of archaic circuitry to meet current regulations.
- New Emergency Stop Systems & guard limits were also required to be designed, specific to each piece of machinery & installed to current standards to ensure the machine operator's safety.
- JNJ Electrics met the challenge of installing an electrical reticulation system in a 19<sup>th</sup> century building that considered heritage restrictions, but ensured it met operational requirements. Our technicians utilized an innovative suspension solution to install the ladder tray network.
- The result was not only a cost saving for the client in the reduction of structural works required, but also helped to maintain the natural character of the building. Through our knowledge and expertise, JNJ Electrics exceeded the clients expectations on all counts.