



**Pennant**

# Bringing Manuals and Training Expertise to the Rail Industry

**A major independent provider of Manuals and support products covering the full suite of Maintenance Manuals, IPCs and Training Courseware including Instructor and Participant Guides for Instructor Led and Self Paced Courses, Computer Based Training and Virtual Reality.**

## Rail Credentials

Pennant has supported the International Rail Industry for over 45 years and has undertaken major contracts for a number of Primes and Engineering Consultancies in the Rail Industry. These have included projects for ALSTOM, Bombardier, Kawasaki, Siemens, London Underground, Network Rail and Rail Safety and Standards Board (RSSB).

Typical deliveries include the management of engineering data to produce structured Operator and Maintenance Manuals, development of Multimedia and Graphic Design projects. Pennant has completed training DVDs for Network Rail covering infrastructure renewal, Driver Route Familiarisation and Incident Reconstruction.

Pennant also undertakes Training projects from a Training Needs Analysis to production of courseware including Instructor Guides, Student Guides and a range of training aids comprising slides, videos, DVDs Computer Based Training and Virtual Reality projects. Pennant's Instructors deliver maintenance training on location around the world.

Technology-based training (CBT, CAI, VR) plays an increasingly important role in all aspects of training for

engineering, operational and customer-facing personnel. Used as stand-alone, self-paced modules or integrated into Instructor-led classroom sessions technology-based training products greatly enhance student experience, providing opportunities for engagement and interaction through innovative practice exercises, competency tests and assessments.

Emulations and simulations provide a high quality and very cost-effective alternative to training on the real systems and with real equipment. This provides two distinct advantages: firstly, a considerable reduction in uneconomic down time if live equipment has to be taken out of service for training, secondly, trainees can be trained and tested in a whole range of 'what if' scenarios ranging from minor errors and hazards to potentially catastrophic scenarios.

Using emulation and simulation in a pre-training program brings the trainees to the real-life hardware or system much better prepared to absorb information due to a high advantage of familiarity.

## Summary of Rail Credentials

- Over 45 years serving the rail industry
- Members of Rail Industry Association (RIA)
- RISQS approved supplier – Ref: 094315
- Successfully completed a number of training contracts around the world
- Completed ECR simulators for Network Rail
- Maintenance Support Contracts for KMW simulators
- Pennant is ISO 9001:2015 accredited