A unique facility, offering key local capability to the Australia transport industry


The ITF is an invaluable asset in helping the Downer EDI Rail, Thales and other subsystem providers identify deficiencies throughout the integration of the various subsystems.

The ITF provides risk mitigation for the integration of the Communication Surveillance Sub-system (CSS) and full systems integration and testing of all systems being deployed on all SGT Sydney Suburban Passenger vehicles.

CAPABILITIES AND APPLICATIONS

- Software, hardware and systems integration for the Public Private Partnership Downer EDI Rail program and related transport projects
- Ongoing integration work, integration and testing of subsystems and regression testing
- Development and testing of new Commercial off the Shelf (COTS) equipment for train and transport systems
- Development, simulation and validation of new operational concepts prior to specification or procurement. This facilitates smooth transition from legacy to new, open systems and architectures, for onboard communications, passenger information systems, integrated fare collection and rail signalling systems.
Thales Downer EDI Rail Integration Test Facility

About the ITF

- The Integration Test Facility is made up of an area 25 x 15 metres
- The facility contains 8 test benches which are 6 metres x 1.4 metres
- Each bench is designed to simulate each one of the eight cars on the 5G train.

Moving forward

The potential of the ITF to support other projects and systems integration work is unlimited. The facility has already expanded from its primary role as an integration facility and has the capability to support ongoing integration work, integration and testing of subsystems, regression testing, development and testing of new Commercial off the Shelf (COTS) equipment for the train system.