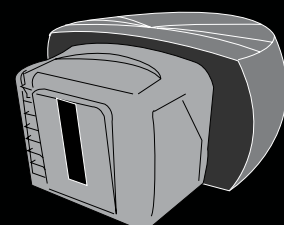




Jet Transition & Procedures Trainer



PS4.5 FTD





PACIFIC SIMULATORS PS4.5 FTD

The Pacific Simulators PS4.5 is a fixed-base, **fully enclosed** Flight Training Device modelled on a narrow-body jet airliner.

The Pacific Simulators PS4.5 FTD is the affordable solution for 'airline bridging' training. It is designed for Jet Transition and Multi-Crew type pilot training.

Flight Schools and Universities can enhance their pilot training product range by offering advanced training such as Jet Orientation and Multi-Crew Courses.

Airlines have the ability to utilise these devices for training that do not require Full Flight Simulators (FFS) such as Jet Transition training, pilot recruitment and systems training.

The PS4.5 FSTD is available in the following configurations:

- **ProJet** - Based on a narrow-body jet airliner with conventional flight controls (yokes). This is ideal for airlines with B737NG fleets.
- **EuroJet** - Based on a fly-by-wire narrow-body jet airliner with sidestick flight controls. This is ideal for airlines with A320 fleets.

TRAINING APPLICATIONS:

- Jet Transition / Jet Orientation Courses
- Multi Crew Cooperation (MCC) Courses
- Procedural and SOPs training
- Type Rating preparation training
- Systems familiarisation training
- Simulator assessments for pilot recruitment
- Instrument training including glass cockpit familiarisation and Instrument Rating training / recency / renewals
- Aircraft Maintenance Engineer (AME) training
- Flight Deck Orientation and Familiarisation Courses (such as for Air Traffic Controllers and Cabin Crew)
- Human Factors courses

"With a global pilot shortage and the subsequent high demand for low-experienced pilots, 'airline bridging' training is a necessity. At less than USD\$400,000 we believe the PS4.5 is the practical and affordable solution."



IAIN PERO
Sales Director
Pacific Simulators

PS4.5 FTD Key Features

- Fully enclosed flight deck with instructors station and observer seats
- Genuine aircraft flight controls, rudder pedals, steering tiller(s) and throttle quadrant
- Extensive aircraft systems modelling
- Realistic Flight Management System (FMS)
- Advanced autopilot and flight director systems
- Surround stereo sound system and floor shakers
- High Definition, wrap-around visual system
- Global scenery and navigation database
- Instructors Station with extensive features
- Certification by multiple civil aviation regulatory authorities
- Low maintenance and running costs



SPECIFICATIONS

	ProJet	EuroJet
FSTD TYPE	<ul style="list-style-type: none"> Flight Training Device (FTD) based on a narrow-body, twin engine jet airliner (fixed-base) 	<ul style="list-style-type: none"> Flight Training Device (FTD) based on a fly-by-wire narrow-body, twin engine jet airliner (fixed-base)
COCKPIT	<ul style="list-style-type: none"> Fully enclosed flight deck including rear section for Instructors Station and observer seats 	
COCKPIT FEATURES	<ul style="list-style-type: none"> Fully functional panels and instruments including: <ul style="list-style-type: none"> Main Front Panel Mode Control Panel (ProJet) / Flight Control Unit (EuroJet) EFIS Control Panels Overhead Panels Pedestal Panel and Centre Console Dual Multi Purpose Control Display Units (MCDUs) Primary and secondary engine displays Comprehensive ECAM displays (EuroJet) <i>Circuit Breaker Panels (optional)</i> 	
SYSTEMS FEATURES	<ul style="list-style-type: none"> Glass cockpit instrument displays including PFD and ND Autopilot, Autothrust and Flight Director Systems Comprehensive aircraft systems modelling including Fuel, Electrical, Hydraulic, Pneumatic, Pressurisation and Fire Protection Systems Realistic Flight Management System Advanced autoflight capability including LNAV/VNAV, RNP approaches and autoland TCAS EGPWS Weather and Terrain Radars 	
FLIGHT CONTROLS	<ul style="list-style-type: none"> Dual-linked Yokes with stick shakers (passive control loading) Dual-linked Rudder Pedals (adjustable) with toe brakes Steering Tiller (connected to Rudders) <i>Optional Active Control Loading</i> 	<ul style="list-style-type: none"> Dual Sidesticks Dual-linked Rudder Pedals (adjustable) with toe brakes Dual Steering Tillers Advanced fly-by-wire control laws and flight envelope protection modelling
THROTTLE QUADRANT	<ul style="list-style-type: none"> Motorised thrust levers / autothrust, trim wheels, trim pointers and Speedbrake with auto-deploy/stow Reverse thrust levers and Flap lever Engine Start levers 	<ul style="list-style-type: none"> Thrust levers with autothrust and reverse thrust detents Motorised trim wheels Speedbrake lever and Flap lever Engine Control Panel



SPECIFICATIONS

	ProJet	EuroJet
INSTRUCTOR OPERATING STATION (IOS)	<ul style="list-style-type: none"> • IOS includes desk and dual-screen touch-screen interface • IOS Software includes comprehensive simulation controls including snapshots and lesson plans tool, aircraft positioning, dynamic weather interface, flight-path map, and extensive system malfunctions / failures 	
SEATING	<ul style="list-style-type: none"> • 2 x genuine pilot seats with adjustment controls, arm rests and 5-point seat harnesses • Fixed seat(s) for Instructors Station and Observer • <i>Optional adjustable Instructors Seat</i> 	
VISUAL DISPLAY SYSTEM	<ul style="list-style-type: none"> • 180° x 44° FOV Direct Projection System • Wrap-around curved screen • High Definition (HD) Projection (3 x Projectors) • 5760 x 1080 pixels (6.2 million pixels) • Eye-point adjustment through IOS Software • <i>Optional RSI 200° x 40° FOV Collimated Mirror Projection System</i> 	
IMAGE GENERATION SOFTWARE	<ul style="list-style-type: none"> • Lockheed Martin's Prepar3D® simulation software which includes: <ul style="list-style-type: none"> • Global database including over 24,000 airports and surrounds • Aircraft traffic • Animated airport ground traffic • Terrain modelling • Dynamic Weather and Time / Season environment 	
FLIGHT MODEL	<ul style="list-style-type: none"> • Conventional twin-engine narrow-body jet aircraft 	<ul style="list-style-type: none"> • Fly-by-wire twin-engine narrow-body jet aircraft with EFCS
NAVIGATION DATABASE	<ul style="list-style-type: none"> • Global, updated Navdata / AIRAC FMS data including airways, SIDS, STARS and approaches 	
SOUND SYSTEM	<ul style="list-style-type: none"> • Stereo Sound Package includes realistic HD engine and environmental sound effects • Cockpit alerts and warnings including radio altimeter call-outs, configuration warnings, TCAS alerts and EGPWS warnings • ATC Program and Live ATC Chatter • Floor-Shaker system • Surround speakers and rack-mounted mixers and amplifiers 	



SPECIFICATIONS

	ProJet	EuroJet
OTHER FEATURES	<ul style="list-style-type: none"> Enhanced customised functionality including CPDLC simulation Four-station Pilot Intercom System with Headsets and <i>Oxygen Masks (optional)</i> for crew communications GoPro Camera and Recording System for recording and review, including audio and external on-screen viewing Skype camera for maintenance and training purposes External to Flight Deck Intercom System iPad for accessing IOS Software and chart viewing Tray tables for both pilot seats (EuroJet only) 	
CERTIFICATION LEVEL	<ul style="list-style-type: none"> FAA – Advanced Aviation Training Device (AATD) CASA (Australia) – Synthetic Trainer + MCC CAA (New Zealand) – Synthetic Trainer DCA (Thailand) – Flight Procedures Trainer FAA – FTD Level 4* / EASA – FTD-1* / ICAO 9625 – Type IV* <p><i>*Additional optional upgrades required</i></p>	
SET-UP REQUIREMENTS	<ul style="list-style-type: none"> Electrical connection (1 x single phase 20 amp circuit - 230V) High-speed internet connection for support 	
MANUALS & DOCUMENTATION	<ul style="list-style-type: none"> Simulator Operations Manual, Simulator Maintenance Manual, FCOM, QRH, checklists, and cockpit posters all included 	
TRAINING	<ul style="list-style-type: none"> Operator training includes how to start and shutdown the simulator, operate the IOS software, aircraft normal and non-normal SOPs including familiarisation of aircraft systems (if required), and how to maintain the trainer 	
SUPPORT AND MAINTENANCE	<ul style="list-style-type: none"> Minimal maintenance required – low running costs Comprehensive ongoing Service Level Agreement (SLA) available including: <ul style="list-style-type: none"> 24/7 Technical Support including phone hotline and remote VPN access for software updates and fault resolving Online fault reporting/logging system 6 monthly scheduled Service Visits by Simulator Technician Assistance with simulator certification. 	

ABOUT US

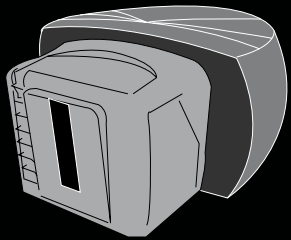
Pacific Simulators is a Training Device Manufacturer (TDM) with a factory based in Christchurch, New Zealand and a sales office in Sydney, Australia.

Founded in 2002, we manufacture a range of high-fidelity Flight Simulator Training Devices (FSTDs) for a variety of markets including pilot training, AME (Aircraft Maintenance Engineer) training, entertainment and private use.

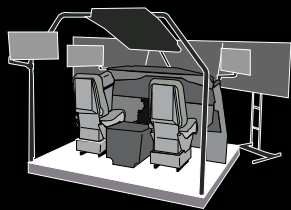
Our FSTDs are located in around a dozen countries including Australia, China, France, Indonesia, Kuwait, Malaysia, New Zealand, Saudi Arabia, Singapore, Thailand and USA.

We specialise in Lower Level Training Devices designed for the 'airline bridging' flight training market. These are ideal for flight schools looking at expanding into the airline career and jet transition market and for airlines looking to reduce their FFS footprint.

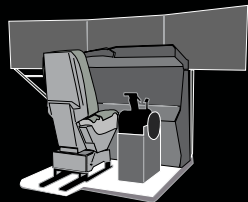
Our simulator training products are listed below:



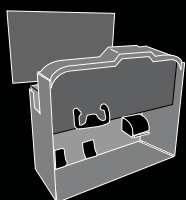
PS4.5
Enclosed Flight Training Device
Configuration options:
ProJet or EuroJet



FJ2000
Cockpit Procedures Trainer
Configuration options:
ProJet or EuroJet



SJ1000
Jet Instrument Trainer
Configuration options:
ProJet



TP100
General Aviation Instrument Trainer
Configuration options:
Selection of GA aircraft



TESTIMONIALS

"It's been our goal to provide state-of-the-art facilities for students to complete their pilot training and leave ready to confidently approach airlines for a job position. We spent over a year researching different companies to help us with our solution, but only Pacific Simulators could do what we want at the price we were willing to pay."

BYRON LEGUISAMO
Chief Pilot, ADF Airways, Miami, USA

"This was the obvious choice for us to facilitate MCC training for our airline partner and student cohort. The device is ideal for this type of training and offers the highest level of functionality and fidelity for its value compared with any other alternative that we researched in its class."

BRIAN HORTON
Director of Flight Operations, UNSW Australia

"We decided we required a top quality device, great reliability, strong after sales service and support, and all at a reasonable price. Whilst some manufacturers were able to meet some of our demands, only Pacific Simulators met the exact criteria we were looking for."

ALLAN BROOKS
General Manager, Aviation Australia, QLD, Australia

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