COMPEL INDUSTRIES

PRODUCTION - TRADE - SOLUTION - COMPANY

VRGINEERS - CLASSROOM Trainer

UPSCALE THE PILOT TRAINING

MAIN CHARACTERISTICS

Meeting the high requirements for next-generation pilot training, the Vrgineers Classroom Trainer represents a high-end, affordable solution. Modularity and efficiency are the essences of the concept. The product consists of exchangeable modules – the instrumental panel and side panels, allowing to change the of aircraft type. Therefore, the customer can have more training platforms and extend the training options for fewer costs.

Training sessions in the Classroom Trainer increase first-time pass rates, reduce additional re-flights, minimize negative training, and cut traditional training costs.

PLATFORM RECONFIGURABILITY

The key factor in transitioning from traditional to modern pilot training is the availability of high-quality simulators to pilots. Vrgineers invented Classroom Trainer to help to make the training accessible and affordable. The Vrgineers Classroom Trainer is a versatile training tool that allows a seamless transition from a piston engine-powered propeller aircraft to a supersonic fighter aircraft, allowing students to de-velop their skills from novice to expert in a single device.

COST AND TIME EFFICIENCY

The Trainer is made from commercial off-theshelf components (COTS), making it affordable and easy to maintain. The lifecycle of the simulator can be extended as key components are easily interchangeable while providing the highest level of immersive simulation. The design of the solution allows operating the Trainer by the pilot without the help of a technician.

TECHNICAL SPECIFICATIONS

THE MOST POPULAR CONFIGURATION

Fixed-wing fighters: F-15 Eagle, F-16 Fighting Falcon, F-18 Hornet, F-22 Raptor, F-35 Lightning II
Fixed-wing trainers: T-6 Texan, T-45 Goshawk, Pilatus (PC-7, PC-9, PC-12), DART Series, Grob G 120TP, Aero L-39 Albatros
Rotary-wing - combat helicopters: UH-60 Black Hawk, AH-64 Apache, AH-1Z Viper, UH-1Y Venom, MD 530F
Rotary-wing trainers: Robinson (R22, R44), Bell (206, 412), Eurocopter EC 135, AugustaWestland AW139

SIMULATION SUPPORT

Commercial: Prepar3D, DCS World, X-Plane 11/12, Microsoft Flight Simulator, Aerofly FS, FlyInside
Professional: Prepar3D, MCS, X-Plane 11/12, Bohemia Interactive Simulations (VBS3, VBS4, Blue IG), MAK, Simigon, multiSim, Metrea

PACKAGE CONTENT

XTAL 3 Virtual or Mixed Reality Headset,Virtual Reality tracking system
XTAL certified computer with simulation engine (IG), HOTAS (Throttle, Stick)
Spring loaded or CLS (Control Loading System) primary
flight controls (stick/cyclic and rudder pedals), Adjustable seat, Speakers for acoustic feedback, Computer accessories: IOS (Instructor Operations Station)
Power consumption: 2000W

RECONFIGURABILITY Fixed-wing, Rotary-wing, Land vehicle

UPGRADES & CUSTOMIZATION

Variety of different controllers
Vibration pad
4-DOF motion system
Additional screens
Different types of headsets

TECHNICAL SPECIFICATIONS

Load capacity: 200 kg
Dimensions L x W x H:
2240 x 1400 x 1457 mm
Weight: 250 kg

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