



Simulator For:



[Simulation](#) > Software-in-the-loop

VECTOR-SIL Simulator

The VECTOR-SIL (Software In The Loop) is a simulator which can be used to test the basic functions of UAV Navigation-Grupo Oesía's system.

Key Features:

Mission Planning
Training



Compact and Easy
to Integrate



VECTOR Autopilot
Software Simulation



3D Model
View



Basic Configuration and
Procedures Training

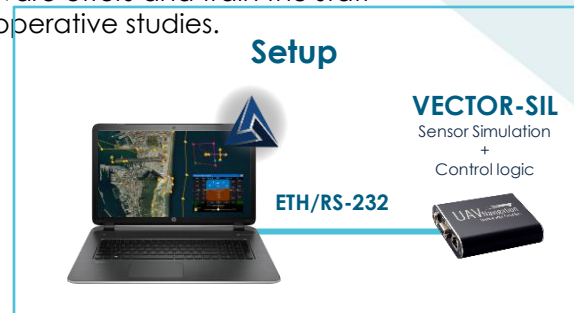
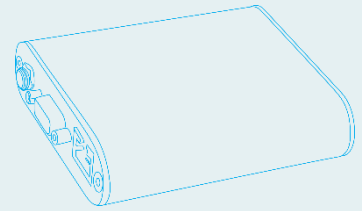


Practice Your
Post-Analysis Skills



Functions:

- Perform a simulated mission before the flight to **check Flight plans and safety conditions.**
- **Test** all the new **VECTOR autopilot** features **in a safe environment.**
- **Train operators** in the use of UAV Navigation-Grupo Oesía Ground Control Station tools: flight plan editor, flight modes, no-fly zones edition...
- The VECTOR-SIL may be used to plan the mission during deployments as it is a compact affordable unit easy to transport.
- **Plug and play** configuration, no complex hardware or wiring are required.
- Train the system integrators on the UAV Navigation-Grupo Oesía configuration tools.
- The VECTOR-SIL allows customers to train their operators in multiple platforms: rotary wing, fixed-wing, target drone...
- **Understand all the post-analysis tools** the software offers and train the staff on postoperative studies.



Technical Specs:

ELECTRICAL AND I/O	
Voltage Supply	9 to 36 Volts DC.
Serial Comm	1 x RS-232
Ethernet	100 Base Tx Channel according to IEEE 802.3 standard
Power Consumption	2.5W
Power Connector	Female 2.5 mm barrel jack (positive polarity)
System Connector	D-Sub 9 / Ethernet RJ45
MECHANICAL / ENVIRONMENTAL	
Size (mm, L x W x H)	94 x 82 x 24
Weight	160 g
Temperature range	-40°C to + 85°C

Features	SIL	HIL
GCS software training tool	✓	✓
Simulation fidelity	Logic Level	Generic / Custom
Advanced and emergency procedure simulation	Basic	Advanced
Physical Aircraft Model	Generic	Custom
FlightGear interface	Basic	Advanced
Instructor Position	-	✓
Sea operations	-	✓
Customization	-	✓
Iron Bird Integration	-	✓



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