

Airside vehicle training on a 1:1 digital version of your airport.

AVOPSIM is a cost-effective simulator for ground personnel training in airside vehicle operations. Built on Microsoft Flight Simulator 2024, it uses a proven simulation engine and concentrates development on an accurate reproduction of your airfield, vehicles and procedures. The system is modular and scales to airports of every size, from a single desk station to a full vehicle cabin.



AT A GLANCE

CONDITIONS

All weather

Day and night, every season

STATIONS

Desk, driving station or full cabin

VR option

INTEGRATION

From USD 16,000

One-time: airport, fleet, missions

PER STATION

USD 2,500 to 5,000+

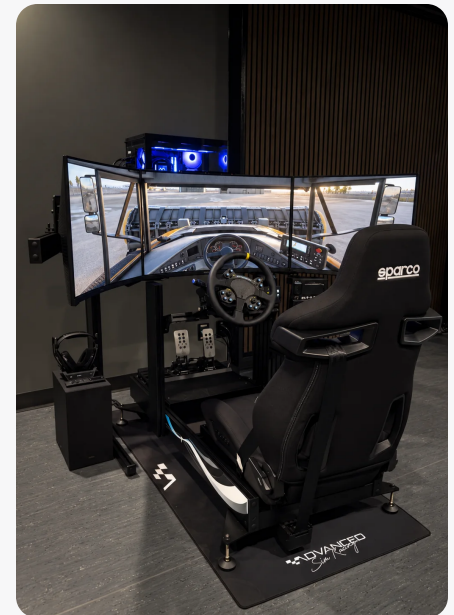
Hardware, one-time

Training programs

- Airside driver training: AVOP pre-certification and recurrent
- ARFF and rescue: response driving and positioning
- Snow removal: plows, brooms and blowers
- Deicing operations: positioning, boom and fluid sequence
- Ground handling and GSE: belt loaders, pushback, tugs
- Passenger boarding bridge (jetway) docking
- AI radio communication with a virtual controller **BETA**
- Custom programs on request

What every integration includes

- 01** Airport digital twin. Runways, taxiways, aprons, service roads, signage, lighting, buildings and terrain, modeled from the current airfield layout.
- 02** Vehicle fleet. Each vehicle type in your fleet, with its handling characteristics, cabin instrumentation and operating functions (plow, broom, belt, tow).
- 03** Mission module. A library of scored training missions based on your routes and procedures, the Mission Editor for building additional scenarios, and the Examiner Console for tracking trainee progress.



Higher pass rates

Trainees arrive at the practical test already familiar with the airfield.

No vehicle out of service

Training runs on a simulator station, not on operational equipment.

Recurrent training

Emergency and seasonal procedures practiced at set intervals.

Lower cost per trainee

One instructor supervises multiple stations at once.

Centralized training for all tenants

Airlines, handlers and contractors trained to the same standard.