

SAN DIEGO INTERNATIONAL AIRPORT • AIRPORT INNOVATION LAB • NXT ROBOTICS

TWENTY ACRES. SEVEN ROVERS. NOBODY WALKS ALONE.

NXT Robotics came through SAN's Airport Innovation Lab and won a five-year contract from the San Diego County Regional Airport Authority — then put an autonomous patrol fleet across a 20-acre employee surface lot, with an escort any employee can summon from their phone.

20 ACRE SURFACE LOT	2,200 VEHICLE CAPACITY	7 AUTONOMOUS ROVERS	24/7 PATROL COVERAGE
------------------------	---------------------------	------------------------	-------------------------

THE CHALLENGE

Employee parking is the part of an airport nobody photographs. At SAN it is a secured 20-acre surface lot holding up to 2,200 vehicles for roughly 18,000 airport and airline staff — busiest at 4:00 AM and 11:00 PM, exactly when coverage is thinnest and the walk to the car is longest.

The lot sits at 3365 Admiral Boland Way, on the north side at Washington Street and Pacific Highway — badge-controlled, a single vehicle entry off Admiral Boland Way, and a dedicated shuttle running separate routes to Terminal 1 and Terminal 2. **The exposure is not the gate; it is the walk.** Every shift begins and ends on foot between a vehicle and a shuttle stop — ground that would have cost seven figures a year to cover with people.

FROM THE LAB TO A FIVE-YEAR CONTRACT

NXT Robotics was selected into the **Airport Innovation Lab**, SAN's 16-week accelerator built to lower the barrier for innovators entering aviation. Participants test and vet live in a 3,500-square-foot former commuter terminal, then present to a panel of Airport Authority staff for the opportunity to negotiate a contract.

The Program 16-WEEK ACCELERATOR Workshops with airport subject-matter experts · live testing sprints · 1:1 mentoring · coaching on public-agency procurement	The Outcome FIVE-YEAR AWARD Panel presentation to Airport Authority staff · advanced to contract negotiation · five-year agreement with SDCRAA
---	---

THE FLEET

Four **Scorpion** rovers patrol the lot perimeter, fence line and entry with thermal and low-light capture. Three **Maverick** rovers work the interior vehicle rows, pedestrian paths and the shuttle stop on a compact, sub-48 dB profile. All seven feed **RobotogoAI as a Service** through one **NXTFusion** console.

Virtual Escort on Request App-summoned rover walks staff to their vehicle	Panic Button Integration Nearest rover dispatched with strobe and alarm
Shift-Change Surge Coverage Weighted patrol at early, mid and late shift turns	Blind-Spot Elimination Vehicle-row gaps, fence line, shuttle stop
Low-Light & Thermal Detection Presence in shadow and behind parked vehicles	Emergency Dispatch Integration Simultaneous alert to airport law enforcement

WHY THIS MODEL WORKS

The same fleet that protects people protects the asset. A rover escorting a ramp supervisor at 2:00 AM is the same unit reading break-in patterns and watching the gate — one deployment covering workforce safety and landside security, with no second console to staff.

AT A GLANCE

VENUE	San Diego Int'l Airport (SAN) 661 acres · 51 gates
AUTHORITY	San Diego County Regional Airport Authority
SCOPE	Employee Surface Lot 20 acres · 2,200 vehicles
PROGRAM	Airport Innovation Lab 16-week accelerator cohort
AWARD	Five-Year Contract
FLEET	4 × Scorpion UGV 3 × Maverick UGV
PLATFORM	NXTFusion + RobotogoAI Supervisory AI: Nexie
MODEL	Alasa Service zero airport capital outlay

PATROL ZONES — ONE CONSOLE

- Zone 1 — Lot perimeter, fence line & entry
- Zone 2 — Interior vehicle rows & walkways
- Zone 3 — Shuttle stop & employee gate

“Partnering with NXT Robotics lets us test how cutting-edge AI and autonomous technology solve real-world aviation challenges. NXT helped us drive operational efficiency and cost reduction while proactively elevating our **safety ecosystem**, safeguarding our employees on the ground and building a more secure, seamless environment for our travelers.

Rick Belliotti
Former Director, Customer Experience & Innovation
San Diego International Airport (SAN)

NEXIE: THE TAP ON THE SHOULDER

Cameras produce footage. Nexie produces decisions — reading every sensor through specialty bots and surfacing only what the operator needs to act on, in plain language, on the channel they already use.

01 BEFORE
PLAN

Nexie weights the night against the shift board — which rows fill for the early bank, where the lot goes dark, where escort requests clustered last week.

Early bank at 04:00. Weight the shuttle stop.

02 DURING
UNDERSTAND

Live prioritization across all seven rovers. Not an alert wall — a ranked, human-readable nudge to the officer who can act on it, right now.

Escort requested, row J walkway. Nearest unit routing.

03 AFTER
OPERATE BETTER

Replay of what happened, what was missed and what to change — so each week tunes patrol routing, escort staging and coverage at the hours that need it.

Escort demand peaking 04:00–06:00. Restage two units.

1 LIVE OPERATING PICTURE	7 ROVER FLEET, 3 ZONES	24/7 AUTONOMOUS PATROL	5 YR AIRPORT AUTHORITY CONTRACT	\$0 AIRPORT CAPITAL OUTLAY
-----------------------------	---------------------------	---------------------------	------------------------------------	-------------------------------

REQUEST A WALKTHROUGH · nxtrobotics.com · 1-619-341-4086

NXT Robotics Corp · info@nxtrobotics.com
1855 1st Avenue, Suite 103, San Diego, CA 92101