

NU'OIR style ("Energy + Motion," "Silent Revolution").

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## NU'OIR LABS – OSSD TRANSIT REVOLUTION

Omnidirectional Superconducting Spherical Drivetrain (OSSD)  
Energy + Motion | The Future of Urban Mobility

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### Executive Summary

NU'OIR Labs introduces the OSSD Transit Platform — the world's first zero-friction, holonomic, superconducting drive system for buses, fleet vehicles, and heavy transport. Each vehicle rides on omnidirectional OSSD pods, magnetic spheres suspended by high-temperature superconductors (YBCO) cooled with liquid nitrogen. The result: no tires, no brakes, no axles — only motion.

OSSD enables vehicles to hover, strafe, rotate in place, and recapture nearly all braking energy, cutting maintenance by up to 80 % and extending range beyond 600 km. Paired with the Dahlia Light Engine™ charging network, OSSD turns every vehicle into a silent, self-balancing robot that glides through cities with precision and zero emissions.

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### Flagship Application – The 6-Pod OSSD City Bus

Spec    Value

Length 12 m standard bus  
Drive    6 × 0.7 m OSSD pods (3 per side)  
Levitation load 1,800 kg (6 × 300 kg)  
Payload        12 t (passengers + chassis)  
Power 400 kW battery + Dahlia charge  
Range 600 km (regen + solar assist)  
Turn radius    0 m (rotates in place)  
Noise < 40 dB  
Maintenance – 80 % vs. conventional

## Timeline

2026 – 3-pod prototype (DoD/DoT testing)

2027 – 6-pod Miami pilot bus

2028 – 100-bus fleet → \$50 M revenue

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## Fleet Expansion Roadmap

Vehicle Type	OSSD Advantage	Fleet Impact	U.S. Market 2025
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City Buses	360° turns, no steering	Urban mobility revolution	70 k units → \$14 B
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Garbage Trucks	Silent 5 a.m. operation, 90 % regen	Zero noise + energy recovery	180 k → \$36 B
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Delivery Vans	Strafe-dock loading	30 s faster/stop	1.2 M → \$240 B
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Semi Trucks	6–8 pods, +10 % cargo	40 t payload, 10 % energy savings	3.5 M → \$700 B
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## Five-Year Revenue Projection

Year	Milestone	Revenue	Loren D. James (30 %)
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2026	3-pod demo (grant)	\$1 M	\$0.3 M
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2027	Bus pilot contract	\$10 M	\$3 M
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2028	100-bus fleet	\$50 M	\$15 M
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2029	Garbage + delivery	\$200 M	\$60 M
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2030	Semi rollout	\$1 B	\$300 M
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Projected net (2030): \$300–\$500 M from OSSD alone

With Dahlia synergy: \$1 B+ total ecosystem value

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## Vision

> “Dahlia gives humanity endless energy.  
OSSD gives it motion without friction.”

NU'OIR Labs unites both into a new industrial paradigm — machines that float, glide, and regenerate their own power.

From public transit to deep-space logistics, the same technology that powers cities can propel civilization itself.

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## Contact

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