CYNGN

DriveMod Transforms Your Industrial Vehicles
into AI-powered autonomous robots

Cyngn develops and deploys autonomous vehicle solutions for industrial applications. Our technology helps organizations become more efficient, productive, and safe, addressing challenges such as labor shortages, safety incidents, and increased eCommerce demand.

Whether retrofitting your stock chasers, investing in new forklifts, or bringing AV to novel vehicle form factors, DriveMod is the only solution you need to enable your industrial vehicles to drive themselves.
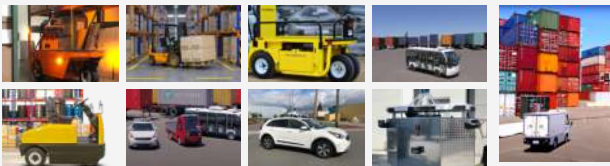
DriveMod gets all of your industrial vehicles humming as a single, unified autonomous vehicle fleet so you can work faster for less cost.

Cyngn's Enterprise Autonomy Suite includes two key components:

DriveMod
Full-Stack Autonomous Driving Software System

Cyngn Insight
Autonomous Vehicle Fleet Management System

- Fleet management system
- Web-based software runs on desktop, mobile, and on-vehicle dashboards.
- Operational analytics
- Teleoperation
- Real-time diagnostics
- Asset tracking

About DriveMod

DriveMod is Cyngn's full-stack autonomous driving solution. It integrates with off-the-shelf sensing and computing hardware to enable industrial vehicles to perceive the world, make decisions, and take action.

Vehicles running DriveMod can start, stop, take commands, drive to different stations, and adjust to changing conditions on the ground.

Because our technology fits onto the vehicles you already drive, you can bring autonomy to your operation without having to make major changes to how your facility is organized or how you organize the day's work.

Multiple Industries **Intelligent FMS** **Clear ROI** **Quick Deployment**

With DriveMod, vehicles can:

- Transport goods to any on-site location, indoors and outdoors.
- Haul and tow thousands of pounds of heavy cargo.
- Safely navigate sites without the need for special infrastructure.
- Can be switched into manual mode and driven by a human.
- Execute missions based on a variety of flexible, programmable options.
- Collect data and reveal suggestions for optimization.

About Cyngn Insight

With Cyngn Insight, you can intuitively manage, monitor, and command your self-driving vehicles. Our Autonomous Fleet Management System has been thoughtfully designed to be simple and straightforward to operate. It adapts well to your existing workflows and will help make your team more efficient.

Our dashboards provide a comprehensive overview of your fleet's performance and utilization — from anywhere. With this valuable data at your fingertips, you can make informed decisions to improve the efficiency of your operation.

Track key metrics, including —

📍 Location

🔋 Battery

🎮 Current Mission

📊 Network Status

📍 KPIs and Productivity Metrics
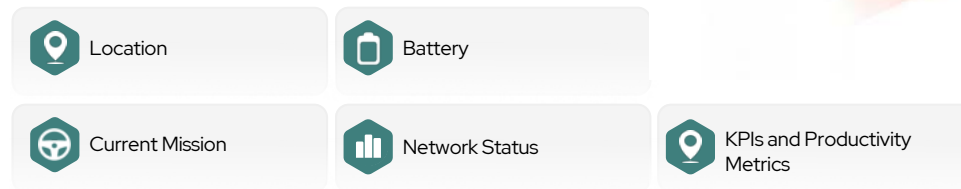
Case Study: DriveMod brings immediate efficiency gains to Global Logistics and Fulfillment, a Las Vegas-based 3PL facility

64% A **64% reduction in human labor costs** when using Cyngn's Autonomous Stockchaser vs. using a forklift.

33% A **33% increase in efficiency** when using Cyngn's Autonomous Stockchaser vs. using an electric pallet jack.

Read the Case Study at go.cyngn.com/GLF ▶

🛑 Deployment at Flambeau

"Cyngn's DriveMod really unlocks the potential for us to start the journey of increasing throughput and decreasing the time to market from the manufacturing floor."

— **Joseph Peterson | General Manager, Flambeau**

"The bottom line is DriveMod has made us more productive. Instead of manually moving goods around the warehouse, our team can stay focused on picking, packing, and other high-value assignments."

— **Kenn Morris | Vice President GLF**

Our vehicles drive themselves so your team can focus on everything else.

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Technical Specifications
Autonomous Stockchaser

Works Across a Variety of Vehicle Types

Artificially Intelligent

Over-the-Air Updates

Automated Missions

Multiple Safety Systems

Vehicle Information

Dimensions	86.5" L x 35" W x 59.5" H
Weight	1200 lbs.
Ground Clearance	3.5"

Performance

Autonomous Speed (Max)	4.5 mph
Manual Speed (Max)	8.5 mph
Towing Capacity (Max)	6,000 lbs.
Deck Load Capacity (Max)	1,000 lbs.
Turning Radius (without trailer)	55" intersecting 133" curb-to-curb
Minimum Aisle Width	71"

Safety Features

Emergency Stop

Virtual Bumper (collision avoidance system)

LED Visual Communication System

Audio Cues

Automation Interface

Human-Machine Interface

Chassis

Frame	Heavy-duty welded steel w/ 14-gauge structural steel smooth body
Steering	Dual front fork, direct link mechanical
Brakes	Dual mechanical rear drum, auto engaged upon dismount
Tires	4.80" x 8", Pneumatic, 4-ply rated, load range B; mounted on painted steel rims

Energy System

Battery Voltage	48V
Battery Runtime (Min)	6 hrs.
Recommended Runtime*	8 hrs.
Charge Time	10-12 hrs. from 10%

Runtimes are based on manufacturer recommendations. Times may vary based on speed and load weight

Sensor Suite

360° 3D LiDAR

RGB Camera

Infrared Camera

TOF Camera

Connectivity

802.11 Wifi

Ethernet Port for Data Offload

To learn more about bringing self-driving vehicle technology to your organization, please reach out.

www.cyngn.com/contact-us