



Say Goodbye to Manual Transport and Hello to the DriveMod Forklift.

Cyngn's partnered with some of the biggest OEMs in the business to transform time-tested material movers like the BYD Forklift into DriveMod vehicles that drive themselves.

The age of automation is here, all built on vehicles you already trust.



360°

Perception and multiple safety redundancies prevent accidents and keep people safe.



Safely navigate sites without the need for special infrastructure.



Autonomously haul and tow 10,000 pounds of goods.



Switch between autonomous and manual modes to let a human driver take over.



Maintain existing rules of the road and safety protocols. The DriveMod Fleet follows them too.



Batch execute missions based on a variety of flexible, customizable options.



Collect real-time performance metrics to reveal opportunities for optimization.



64%

Reduction in human labor costs when using the DriveMod Fleet vs. a forklift.



"The bottom line is DriveMod has made us more productive. Instead of manually moving goods around the warehouse, our team can stay focused on other high-value assignments."
— Kenn Morris | Vice President GLF

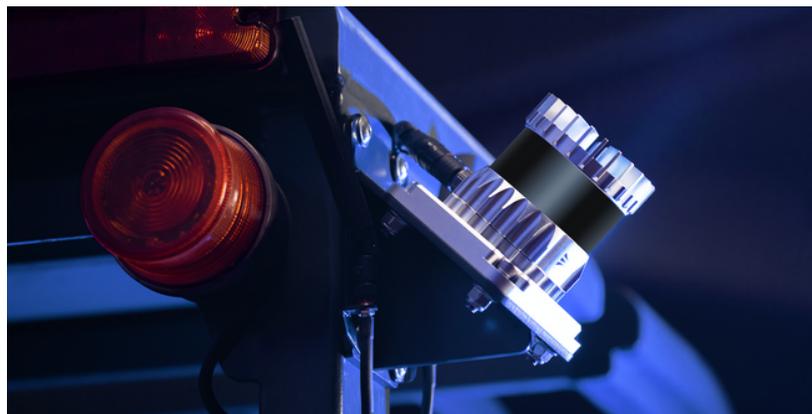


Our vehicles drive themselves so your team can focus on everything else.

cyngn.com

Technical Specs: BYD ECB 50 Forklift

Vehicle Information		Chassis	
Overall Width	59.7 in	Drive Motors	Dual
Length to Face of Forks	115 in	Steering	Synchronous steering
Overhead Guard Height	92.2 in	Brakes	Electric braking system
Service Weight (with battery)	16,170 lbs.	Wheels	Solid, non-marking solid, pneumatic
Tilt Range (forward/backward)	6/8 deg		
Performance		Energy System	
Autonomous Speed (Max)	4.5 mph	Operating Voltage	80 V
Manual Speed (Max)	11 mph	Battery Power	43.2/64.8 KWH
Autonomous Lift Speed	1.5 - 2 m/s	Battery Weight	8 hours
Load Capacity (Max)	11,000 lbs.	Recommended Runtime*	7-8 hrs. per charge
Turning Radius	102.4 in	Charge Time	2-4 hrs.
		<i>*Runtimes are based on manufacturer recommendations. Times may vary based on speed and load weight</i>	
Safety Features		Sensor Suite	
Emergency Stop		360° 3D LiDAR	
Virtual Bumper (collision avoidance system)		RGB Camera	
LED Visual Communication System		TOF Camera	
Audio Cues			
Automation Interface		Connectivity	
Human-Machine Interface		802.11 Wifi	
		Ethernet Port for Data Offload	



Technical Specs: BYD ECB 35 Forklift

Vehicle Information		Chassis	
Overall Width	53.5 in	Drive Motors	Dual
Length to Face of Forks	100.8 in	Steering	Synchronous steering
Overhead Guard Height	87.2 in	Brakes	Electric braking system
Service Weight (with battery)	12,320 lbs.	Wheels	Solid, non-marking solid, pneumatic
Tilt Range (forward/backward)	5/8 deg		
Performance		Energy System	
Autonomous Speed (Max)	4.5 mph	Operating Voltage	80 V
Manual Speed (Max)	11 mph	Battery Power	21.6/ 43.2 KWH
Autonomous Lift Speed	1.5 - 2 m/s	Battery Weight	1,367 lbs.
Load Capacity (Max)	11,000 lbs.	Recommended Runtime*	7-8 hrs. per charge
Turning Radius	102.4 in	Charge Time	2-4 hrs.
		<i>*Runtimes are based on manufacturer recommendations. Times may vary based on speed and load weight</i>	
Safety Features		Sensor Suite	
Emergency Stop		360° 3D LiDAR	
Virtual Bumper (collision avoidance system)		RGB Camera	
LED Visual Communication System		TOF Camera	
Audio Cues			
Automation Interface		Connectivity	
Human-Machine Interface		802.11 Wifi	
		Ethernet Port for Data Offload	



Useful Resources

See the Forklift in Action



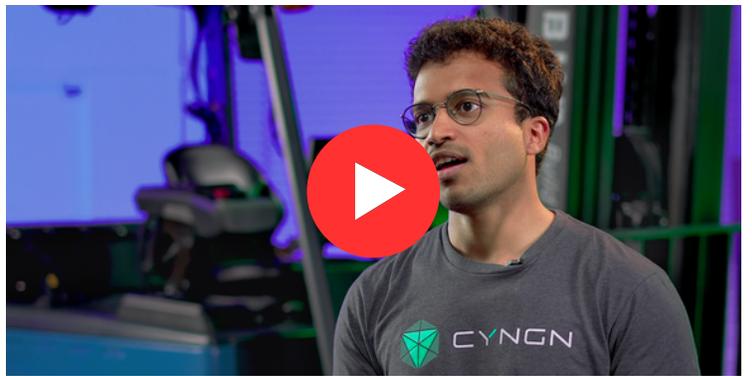
Passing the Forklift Driver Test



Full Demo



Developing the DriveMod Forklift



Read the Report:
The Cost of Doing Nothing

