

ATG Autonomous Tugger

The Vecna Autonomous Tugger (ATG) is a key player in high-capacity transport. This self-driving tow tractor autonomously performs on-demand lineside replenishment, long distance high-throughput hauling, and non-conveyable transport at sortation hubs.



SPECIFICATIONS	IMPERIAL	METRIC
TOW CAPACITY	9,920 lbs	4,500 kg
DIMENSIONS (L x W x H)	65.1 in x 43.4 in x 81.1 in	1653 mm x 1103 mm x 2061 mm
WEIGHT (less battery)	1,623 lbs	736 kg
VEHICLE SPEED	4.5 mph	2 m/s
TURNING RADIUS (w/ 3 quadsteer carts)	9 ft 6 in	2.9 m
MINIMUM AISLE WIDTH	6 ft	1.8 m

CART TYPE

Quadsteer

SAFETY SYSTEM

ISO13849-1:2015 PL=d-rated safety system
ANSI / ITSDF B56.5 compliant
RIA 15.08 compliant

TASK ALLOCATION

Remote user interfaces / WMS integration

FLEET MANAGEMENT AND ORCHESTRATION

Pivotal™ Orchestration Engine

SUPPORT

24/7/365 remote support via Vecna Robotics'
US-based Pivotal™ Command Center

CONTROL

Autonomous Mode: Infrastructure Free Navigation
Manual Mode: Ride-on with steering tiller

RUN TIME

Up to 8+ hours per full charge

CHARGING

1-2 hours charge time
Opportunistic charging
Compatible with standard lead acid and TPPL batteries

ACCESSORIES (ADD-ON)

Autonomous hitch and unhitch **New!**
Autonomous charging with smart scheduling **New!**