

# ATG Autonomous Tugger

The Vecna ATG Autonomous Tugger 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
<b>MAX PAYLOAD</b>	9,920 lbs	4,500 kg
<b>DIMENSIONS (L x W x H)</b>	65.1 in x 43.4 in x 81.1 in	1,653 mm x 1,103 mm x 2,061 mm
<b>WEIGHT (less battery)</b>	1,623 lbs	736 kg
<b>VEHICLE SPEED</b>	4.5 mph	2.7 m/s
<b>TURNING RADIUS (w/ 3 quadsteer carts)</b>	12 ft 9 in	3.9 m
<b>MINIMUM AISLE WIDTH AT MAX SPEED</b>	14 ft	4.3 m

#### CART TYPE

Quadsteer

#### MAX TRAIN LENGTH

4 carts

#### SAFETY SYSTEM

ISO 13849-1:2015 PL=d-rated sensors and safety controllers, ANSI / ITSDF B56.5 and RIA 15.08 compliant

#### CONTROL

**Autonomous Mode:** Infrastructure Free Navigation

**Manual Mode:** Ride-on with steering tiller

#### POWER SOURCE

Compatible with standard lead acid and TPPL batteries

#### RUN TIME

Up to 8+ hours per full charge

#### CHARGING

4 hours charge time, opportunistic charging

#### 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

