



Automated Trailer Loading System



SGV picks up load from stretch wrapper

System Description

The SGV System operates 24/7 and facilitates movement of finished product between 10 stretch wrappers at the production lines, 9 truck bays, 2 bridge conveyors (with 8 drop off locations), and a floor storage location. The SGVs are controlled by SGV Manager Software, which communicates with WMS software, and plant PLCs to facilitate movement of finished goods.

SGVs pick up pallets two at a time at the stretch wrappers and deliver them directly inside of trailers at the loading docks. If no trailers are available the SGVs will deliver the pallets to the bridge conveyors, or block stack the pallets in a floor storage location as directed by the SGV Manager. The SGV Manager system tracks SKUs throughout the system, and maintains a record of product stored in the floor storage area.

The SGVs are equipped with a single-double fork attachment which allows them to transport a single pallet or two pallets at a time depending on the material movement request.

Features

Date Installed:	May 2009
Location:	Lithia Springs, GA
Number of Vehicles:	11
Vehicle Type:	Forked Counterbalance
Load Description:	Pallets of beverages
Industry Description:	Food & Beverage
Guidance Method:	Laser
Vehicle Capacity:	5,000lbs
SGV Host Controls:	SGV Manager – Windows XP
Battery Charging Method:	Automatic Battery Exchange

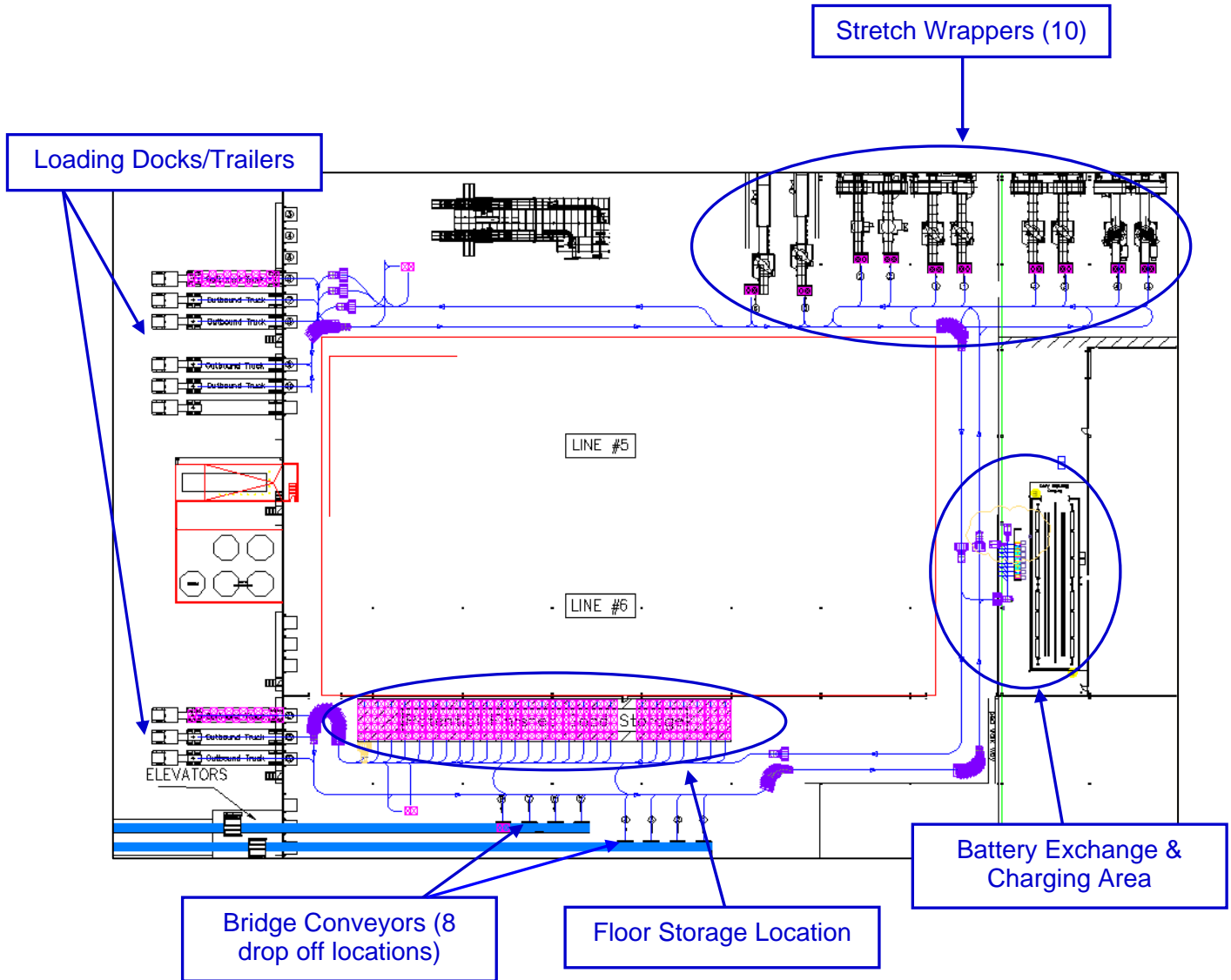
Benefits

- Significantly reduce pallet and product damage
- Inventory is tracked throughout the system
- Flexible solution for plant's changing production demands
- Safe, reliable delivery of pallets



SGV automatically loads a trailer with finished product at the loading docks

SGV System Layout



www.jbtc-agv.com



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