



## Features

Date Installed:	2007
Vehicle Type:	Forkover w/ Single Fork Platen
Number of Vehicles:	6
Guidance Method:	Laser
Industry:	Pharmaceutical (Vaccines)
Vehicle Capacity:	1,100lbs
Load Description:	Tray trolleys
SGV Host Controls:	Windows- SGV Manager
Throughput:	270 trolleys/shift
Battery Charging Method:	Opportunity
Facility Location:	Speke, Liverpool, UK

## System Description

A fleet of 6 Self Guided Vehicles (SGVs) transport egg tray trolleys throughout the facility. The SGVs operate in 3 main areas of the plant and are responsible for transporting full trolleys between the inoculation machines, incubation chambers, chillers, and harvesting machines. The SGVs also transport empty trolleys from the harvesting machines to the washers.

Orders for material movement are generated by operators using handheld PDAs. An operator simply selects an area in the plant, and is able to choose the pick-up and drop-off locations from drop down menus on the screen. As the SGVs travel throughout the facility, they interface with automatic doors to facilitate load movement.

At the harvester all orders are automatically generated through a plant signal. When the harvester has emptied a trolley, an operator moves it to a buffer location. A plant signal indicates that an empty trolley is ready for transport to the washers, and an order is assigned the SGV which can most efficiently complete the task.

## Benefits

- Reduced labor costs
- Improved operational efficiency
- Gentle handling of delicate loads for reduced load damage
- Safe, reliable, timely delivery of materials

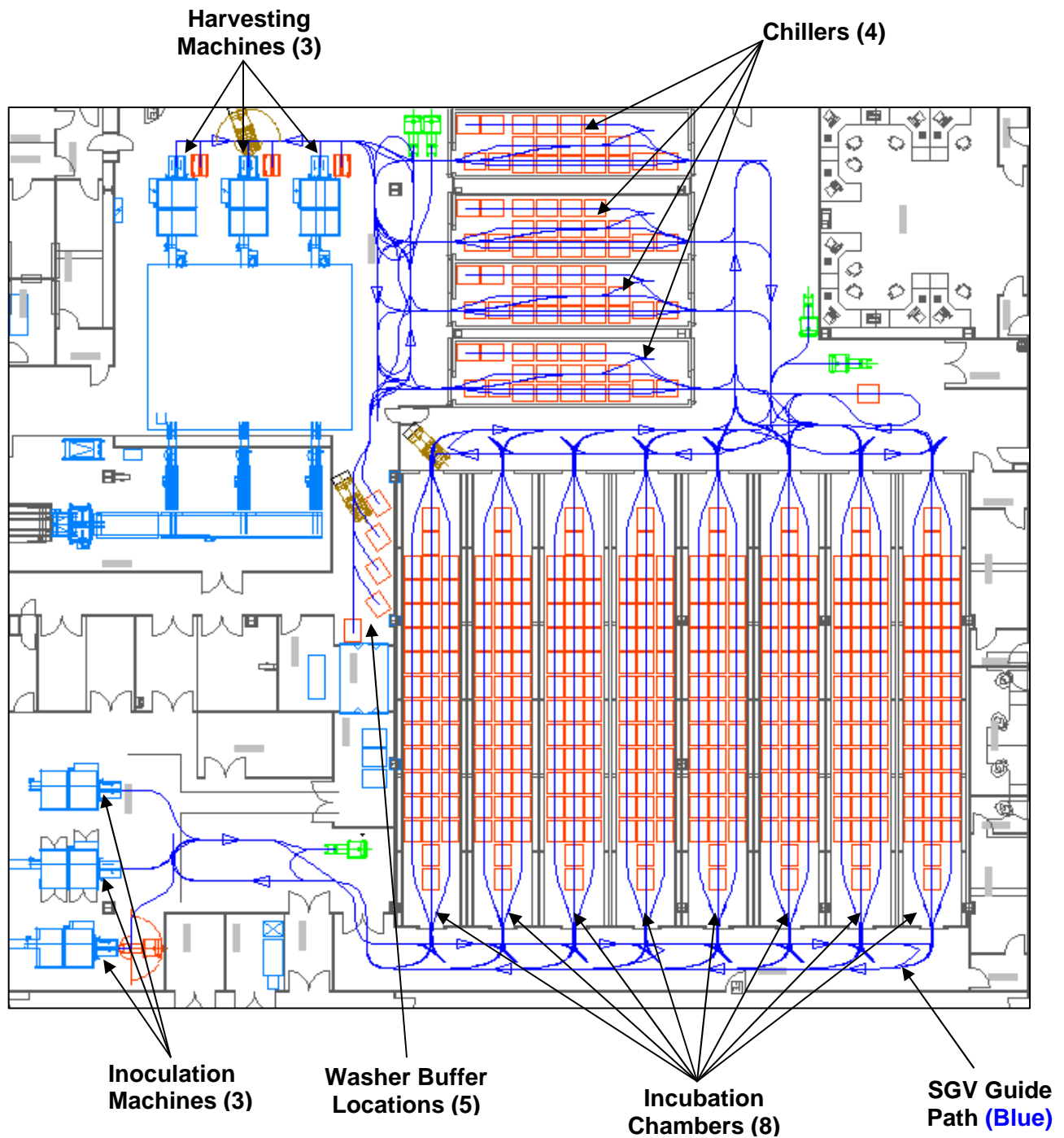


SGV with tray trolley onboard



Operators use handheld PDAs to generate orders for movement of tray trolleys. Operators are able to select the pick-up and drop-off locations using simple drop down menus.

# System Layout



[www.jbtc-agv.com](http://www.jbtc-agv.com)



John Bean Technologies Corp.  
 400 Highpoint Drive  
 Chalfont, PA 18914 USA  
 Phone: 215-822-4600  
 Fax: 215-822-4553  
[sgv.sales@jbt.com](mailto:sgv.sales@jbt.com)

John Bean Technologies SA  
 106 Bd Heloise  
 Les Harmoniques  
 95101 Argenteuil Cedex, France  
 Phone: +331 399 646 59  
 Fax: +331 399 646 74  
[contact@jbt-agv.fr](mailto:contact@jbt-agv.fr)

John Bean Technologies NV  
 Breedstraat, 3  
 B-9100 Sint Niklaas, Belgium  
 Phone: +32 3 780 1336  
 Fax: +32 3 777 7955  
[snt1\\_sgv@jbt.com](mailto:snt1_sgv@jbt.com)

John Bean Technologies Ltd.  
 Unit V1 Winchester Avenue  
 Blaby Industrial Park  
 Blaby Leicester, UK, LE8 4GZ  
 Phone: +44 116 264 2250  
 Fax: +44 116 264 2279  
[uksgvsales@jbt.com](mailto:uksgvsales@jbt.com)